



US 20120196797A1

(19) **United States**

(12) **Patent Application Publication**
Currie et al.

(10) **Pub. No.: US 2012/0196797 A1**

(43) **Pub. Date: Aug. 2, 2012**

(54) **METHODS AND COMPOSITIONS FOR THE TREATMENT OF GASTROINTESTINAL DISORDERS**

(75) Inventors: **Mark G. Currie**, Sterling, MA (US); **Shalina Mahajan-Miklos**, Stanford, CA (US); **Li Jing Sun**, New York, NY (US)

(73) Assignee: **Ironwood Pharmaceuticals, Inc.**, Cambridge, MA (US)

(21) Appl. No.: **13/427,431**

(22) Filed: **Mar. 22, 2012**

Related U.S. Application Data

(63) Continuation of application No. 13/291,526, filed on Nov. 8, 2011, which is a continuation of application No. 12/568,107, filed on Sep. 28, 2009, now Pat. No. 8,101,579, which is a continuation of application No. 10/868,744, filed on Jun. 14, 2004, now abandoned.

(60) Provisional application No. 60/478,492, filed on Jun. 13, 2003, provisional application No. 60/532,361, filed on Dec. 23, 2003, provisional application No. 60/571,386, filed on May 14, 2004.

Publication Classification

(51) **Int. Cl.**

<i>A61K 38/10</i>	(2006.01)
<i>A61P 1/00</i>	(2006.01)
<i>C12P 21/02</i>	(2006.01)
<i>A61P 29/00</i>	(2006.01)
<i>A61P 3/04</i>	(2006.01)
<i>C07K 7/08</i>	(2006.01)
<i>A61P 1/04</i>	(2006.01)

(52) **U.S. Cl. 514/4.8; 530/326; 514/21.4; 435/69.1**

(57) **ABSTRACT**

Compositions and related methods for treating IBS and other gastrointestinal disorders and conditions (e.g., gastrointestinal motility disorders, functional gastrointestinal disorders, gastroesophageal reflux disease (GERD), duodenogastric reflux, Crohn's disease, ulcerative colitis, inflammatory bowel disease, functional heartburn, dyspepsia (including functional dyspepsia or nonulcer dyspepsia), gastroparesis, chronic intestinal pseudo-obstruction (or colonic pseudoobstruction), and disorders and conditions associated with constipation, e.g., constipation associated with use of opiate pain killers, post-surgical constipation, and constipation associated with neuropathic disorders as well as other conditions and disorders are described. The compositions feature peptides that activate the guanylate cyclase C (GC-C) receptor.

Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
Human Guanylin (SEQ ID NO:19)

- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 96)
- --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 97)
- --- --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 98)
- --- --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 99)
- --- --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 100)
- --- --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 101)
- --- --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 102)
- --- --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 103)
- --- --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 104)
- --- --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 105)
- --- --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 106)
- --- --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 107)
- --- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 108)
- --- Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 109)
- --- Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 110)
- --- Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 111)
- --- Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 112)
- --- Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 113)
- --- Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 114)
- --- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 115)
- --- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 116)
- --- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 117)
- --- Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 118)
- --- Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 119)
- --- Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 120)
- --- Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 121)
- --- Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 122)
- --- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 123)
- --- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 124)
- --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 125)
- --- Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 126)
- --- Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 127)
- --- Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 128)
- --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 129)
- --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 130)
- --- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 131)
- --- Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 132)
- --- Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 133)
- --- Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 134)
- --- Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 135)
- --- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 136)
- --- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 137)
- --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 138)
- --- Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 139)

FIG. 1

--- --- Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 140)
--- --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 141)
--- --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 142)
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 143)
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 144)
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 145)
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 146)
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 147)
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 148)
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 149)
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 150)
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 151)
--- --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 152)
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 153)
--- Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 154)
--- Gly --- Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 155)
--- Gly --- Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 156)
--- Gly --- Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 157)
--- Gly --- Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 158)
--- Gly --- Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 159)
--- Gly --- Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 160)
--- Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 161)
--- Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 162)
--- Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 163)
--- Gly --- Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 164)
--- Gly --- Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 165)
--- Gly --- Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 166)
--- Gly --- Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 167)
--- Gly --- Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 168)
--- Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 169)
--- Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 170)
--- Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 171)
--- Gly --- Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 172)
--- Gly --- Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 173)
--- Gly --- Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 174)
--- Gly --- Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 175)
--- Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 176)
--- Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 177)
--- Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 178)
--- Gly --- Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 179)
--- Gly --- Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 180)
--- Gly --- Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 181)
--- Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 182)
--- Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 183)
--- Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 184)
--- Gly --- Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 185)
--- Gly --- Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 186)

FIG. 1

--- Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 187)
--- Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 188)
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 189)
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 190)
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 191)
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 192)
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 193)
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 194)
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 195)
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 196)
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 197)
--- Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 198)
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 199)
--- Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 200)
--- Gly Thr Cys --- --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 201)
--- Gly Thr Cys --- --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 202)
--- Gly Thr Cys --- --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 203)
--- Gly Thr Cys --- --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 204)
--- Gly Thr Cys --- --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 205)
--- Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 206)
--- Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 207)
--- Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 208)
--- Gly Thr Cys --- Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 209)
--- Gly Thr Cys --- Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 210)
--- Gly Thr Cys --- Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 211)
--- Gly Thr Cys --- Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 212)
--- Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 213)
--- Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 214)
--- Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 215)
--- Gly Thr Cys --- Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 216)
--- Gly Thr Cys --- Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 217)
--- Gly Thr Cys --- Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 218)
--- Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 219)
--- Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 220)
--- Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 221)
--- Gly Thr Cys --- Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 222)
--- Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 223)
--- Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 224)
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 225)
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 226)
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 227)
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 228)
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 229)
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 230)
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 231)
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 232)
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 233)

FIG. 1

--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 234)
--- Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 235)
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 236)
--- Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 237)
--- Gly Thr Cys Gly --- --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 238)
--- Gly Thr Cys Gly --- --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 239)
--- Gly Thr Cys Gly --- --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 240)
--- Gly Thr Cys Gly --- --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 241)
--- Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 242)
--- Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 243)
--- Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 244)
--- Gly Thr Cys Gly --- Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 245)
--- Gly Thr Cys Gly --- Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 246)
--- Gly Thr Cys Gly --- Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 247)
--- Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 248)
--- Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 249)
--- Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 250)
--- Gly Thr Cys Gly --- Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 251)
--- Gly Thr Cys Gly --- Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 252)
--- Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 253)
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 255)
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 256)
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 257)
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 258)
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 259)
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 260)
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 261)
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 262)
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 263)
--- Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 264)
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 265)
--- Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 266)
--- Gly Thr Cys Gly Glu --- Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 267)
--- Gly Thr Cys Gly Glu --- Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 268)
--- Gly Thr Cys Gly Glu --- Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 269)
--- Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 270)
--- Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 271)
--- Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 272)
--- Gly Thr Cys Gly Glu --- Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 273)
--- Gly Thr Cys Gly Glu --- Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 274)
--- Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 275)
--- Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 276)
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 277)
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 278)
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 279)
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 280)

FIG. 1

--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 281)
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 282)
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 283)
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 284)
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 285)
--- Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 286)
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 287)
--- Gly Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 288)
--- Gly Thr Cys Gly Glu Ile Cys --- --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 289)
--- Gly Thr Cys Gly Glu Ile Cys --- --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 290)
--- Gly Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 291)
--- Gly Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 292)
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 293)
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 294)
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 295)
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 296)
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 297)
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 298)
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 299)
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 300)
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 301)
--- Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 302)
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 303)
--- Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 304)
--- Gly Thr Cys Gly Glu Ile Cys Ala --- --- --- Cys Thr Gly Cys (SEQ ID NO: 305)
--- Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys --- Gly Cys (SEQ ID NO: 306)
--- Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr --- Cys (SEQ ID NO: 307)
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 308)
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys --- Gly Cys (SEQ ID NO: 309)
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr --- Cys (SEQ ID NO: 310)
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 311)
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- --- Cys (SEQ ID NO: 312)
--- Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 313)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 314)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 315)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- --- Cys --- Gly Cys (SEQ ID NO: 316)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- --- Cys Thr --- Cys (SEQ ID NO: 317)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 318)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- --- Cys (SEQ ID NO: 319)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 320)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 321)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 322)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- --- Cys (SEQ ID NO: 323)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 324)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 325)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 326)
--- Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 327)

FIG. 1

Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 328)
Pro --- --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 329)
Pro --- --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 330)
Pro --- --- Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 331)
Pro --- --- Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 332)
Pro --- --- Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 333)
Pro --- --- Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 334)
Pro --- --- Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 335)
Pro --- --- Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 336)
Pro --- --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 337)
Pro --- --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 338)
Pro --- --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 339)
Pro --- --- Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 340)
Pro --- --- Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 341)
Pro --- --- Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 342)
Pro --- --- Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 343)
Pro --- --- Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 344)
Pro --- --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 345)
Pro --- --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 346)
Pro --- --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 347)
Pro --- --- Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 348)
Pro --- --- Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 349)
Pro --- --- Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 350)
Pro --- --- Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 351)
Pro --- --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 352)
Pro --- --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 353)
Pro --- --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 354)
Pro --- --- Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 355)
Pro --- --- Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 356)
Pro --- --- Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 357)
Pro --- --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 358)
Pro --- --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 359)
Pro --- --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 360)
Pro --- --- Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 361)
Pro --- --- Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 362)
Pro --- --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 363)
Pro --- --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 364)
Pro --- --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 365)
Pro --- --- Cys Gly Glu Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 366)
Pro --- --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 367)
Pro --- --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 368)
Pro --- --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 369)
Pro --- --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 370)
Pro --- --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 371)
Pro --- --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 372)
Pro --- --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 373)
Pro --- --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 374)

FIG. 1

Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 375)
Pro --- Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 376)
Pro --- Thr Cys --- --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 377)
Pro --- Thr Cys --- --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 378)
Pro --- Thr Cys --- --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 379)
Pro --- Thr Cys --- --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 380)
Pro --- Thr Cys --- --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 381)
Pro --- Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 382)
Pro --- Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 383)
Pro --- Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 384)
Pro --- Thr Cys --- Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 385)
Pro --- Thr Cys --- Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 386)
Pro --- Thr Cys --- Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 387)
Pro --- Thr Cys --- Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 388)
Pro --- Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 389)
Pro --- Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 390)
Pro --- Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 391)
Pro --- Thr Cys --- Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 392)
Pro --- Thr Cys --- Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 393)
Pro --- Thr Cys --- Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 394)
Pro --- Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 395)
Pro --- Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 396)
Pro --- Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 397)
Pro --- Thr Cys --- Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 398)
Pro --- Thr Cys --- Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 399)
Pro --- Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 400)
Pro --- Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 401)
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 402)
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 403)
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 404)
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 405)
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 406)
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 407)
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 408)
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 409)
Pro --- Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 410)
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 412)
Pro --- Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 413)
Pro --- Thr Cys Gly --- --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 414)
Pro --- Thr Cys Gly --- --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 415)
Pro --- Thr Cys Gly --- --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 416)
Pro --- Thr Cys Gly --- --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 417)
Pro --- Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 418)
Pro --- Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 419)
Pro --- Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 420)
Pro --- Thr Cys Gly --- Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 421)

FIG. 1

Pro --- Thr Cys Gly --- Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 422)
Pro --- Thr Cys Gly --- Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 423)
Pro --- Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 424)
Pro --- Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 425)
Pro --- Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 426)
Pro --- Thr Cys Gly --- Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 427)
Pro --- Thr Cys Gly --- Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 428)
Pro --- Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 429)
Pro --- Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 430)
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 431)
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 432)
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 433)
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 434)
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 435)
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 436)
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 437)
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 438)
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 439)
Pro --- Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 440)
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 441)
Pro --- Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 442)
Pro --- Thr Cys Gly Glu --- Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 443)
Pro --- Thr Cys Gly Glu --- Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 444)
Pro --- Thr Cys Gly Glu --- Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 445)
Pro --- Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 446)
Pro --- Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 447)
Pro --- Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 448)
Pro --- Thr Cys Gly Glu --- Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 449)
Pro --- Thr Cys Gly Glu --- Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 450)
Pro --- Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 451)
Pro --- Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 452)
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 453)
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 454)
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 455)
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 456)
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 457)
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 458)
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 459)
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 460)
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 461)
Pro --- Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 462)
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 463)
Pro --- Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 464)
Pro --- Thr Cys Gly Glu Ile Cys --- --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 465)
Pro --- Thr Cys Gly Glu Ile Cys --- --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 466)
Pro --- Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 467)
Pro --- Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 468)

FIG. 1

Pro --- Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 469)
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 470)
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 471)
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 472)
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 473)
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 474)
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 475)
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 476)
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 477)
Pro --- Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 478)
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 479)
Pro --- Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 480)
Pro --- Thr Cys Gly Glu Ile Cys Ala --- --- --- Cys Thr Gly Cys (SEQ ID NO: 481)
Pro --- Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys --- Gly Cys (SEQ ID NO: 482)
Pro --- Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr --- Cys (SEQ ID NO: 483)
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 484)
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys --- Gly Cys (SEQ ID NO: 485)
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr --- Cys (SEQ ID NO: 486)
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 487)
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- --- Cys (SEQ ID NO: 488)
Pro --- Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 489)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 490)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 491)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- --- Cys --- Gly Cys (SEQ ID NO: 492)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- --- Cys Thr --- Cys (SEQ ID NO: 493)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 494)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- --- Cys (SEQ ID NO: 495)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 496)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 497)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 498)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- --- Cys (SEQ ID NO: 499)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 500)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 501)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 502)
Pro --- Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 503)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 504)
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 505)
Pro Gly --- Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 506)
Pro Gly --- Cys --- --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 507)
Pro Gly --- Cys --- --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 508)
Pro Gly --- Cys --- --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 509)
Pro Gly --- Cys --- --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 510)
Pro Gly --- Cys --- --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 511)
Pro Gly --- Cys --- --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 512)
Pro Gly --- Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 513)
Pro Gly --- Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 514)
Pro Gly --- Cys --- Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 515)

FIG. 1

Pro Gly --- Cys --- Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 516)
Pro Gly --- Cys --- Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 517)
Pro Gly --- Cys --- Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 518)
Pro Gly --- Cys --- Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 519)
Pro Gly --- Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 520)
Pro Gly --- Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 521)
Pro Gly --- Cys --- Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 522)
Pro Gly --- Cys --- Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 523)
Pro Gly --- Cys --- Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 524)
Pro Gly --- Cys --- Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 525)
Pro Gly --- Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 526)
Pro Gly --- Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 527)
Pro Gly --- Cys --- Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 528)
Pro Gly --- Cys --- Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 529)
Pro Gly --- Cys --- Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 530)
Pro Gly --- Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 531)
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 532)
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 533)
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 534)
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 535)
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 536)
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 537)
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 538)
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 539)
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 540)
Pro Gly --- Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 541)
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 542)
Pro Gly --- Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 543)
Pro Gly --- Cys Gly --- --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 544)
Pro Gly --- Cys Gly --- --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 545)
Pro Gly --- Cys Gly --- --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 546)
Pro Gly --- Cys Gly --- --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 547)
Pro Gly --- Cys Gly --- --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 548)
Pro Gly --- Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 549)
Pro Gly --- Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 550)
Pro Gly --- Cys Gly --- Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 551)
Pro Gly --- Cys Gly --- Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 552)
Pro Gly --- Cys Gly --- Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 553)
Pro Gly --- Cys Gly --- Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 554)
Pro Gly --- Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 555)
Pro Gly --- Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 556)
Pro Gly --- Cys Gly --- Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 557)
Pro Gly --- Cys Gly --- Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 558)
Pro Gly --- Cys Gly --- Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 559)
Pro Gly --- Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 560)
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 561)
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 562)

FIG. 1

Pro Gly --- Cys Gly --- Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 563)
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 564)
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 565)
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 566)
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 567)
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 568)
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 569)
Pro Gly --- Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 570)
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 571)
Pro Gly --- Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 572)
Pro Gly --- Cys Gly Glu --- Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 573)
Pro Gly --- Cys Gly Glu --- Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 574)
Pro Gly --- Cys Gly Glu --- Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 575)
Pro Gly --- Cys Gly Glu --- Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 576)
Pro Gly --- Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 577)
Pro Gly --- Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 578)
Pro Gly --- Cys Gly Glu --- Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 579)
Pro Gly --- Cys Gly Glu --- Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 580)
Pro Gly --- Cys Gly Glu --- Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 581)
Pro Gly --- Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 582)
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 583)
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 584)
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 585)
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 586)
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 587)
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 588)
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 589)
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 590)
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 591)
Pro Gly --- Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 592)
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 593)
Pro Gly --- Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 594)
Pro Gly --- Cys Gly Glu Ile Cys --- --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 595)
Pro Gly --- Cys Gly Glu Ile Cys --- --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 596)
Pro Gly --- Cys Gly Glu Ile Cys --- --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 597)
Pro Gly --- Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 598)
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 599)
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 600)
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 601)
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 602)
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 603)
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 604)
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 605)
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 606)
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 607)
Pro Gly --- Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 608)
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 609)

FIG. 1

Pro Gly --- Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 610)
Pro Gly --- Cys Gly Glu Ile Cys Ala --- --- --- Cys Thr Gly Cys (SEQ ID NO: 611)
Pro Gly --- Cys Gly Glu Ile Cys Ala --- --- Ala Cys --- Gly Cys (SEQ ID NO: 612)
Pro Gly --- Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr --- Cys (SEQ ID NO: 613)
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 614)
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala --- Cys --- Gly Cys (SEQ ID NO: 615)
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr --- Cys (SEQ ID NO: 616)
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 617)
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- --- Cys (SEQ ID NO: 618)
Pro Gly --- Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 619)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 620)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 621)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- --- Cys --- Gly Cys (SEQ ID NO: 622)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- --- Cys Thr --- Cys (SEQ ID NO: 623)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 624)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- --- Cys (SEQ ID NO: 625)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 626)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 627)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 628)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- --- Cys (SEQ ID NO: 629)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 630)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 631)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 632)
Pro Gly --- Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 633)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 634)
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 635)
Pro Gly Thr Cys --- --- --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 636)
Pro Gly Thr Cys --- --- --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 637)
Pro Gly Thr Cys --- --- --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 638)
Pro Gly Thr Cys --- --- --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 639)
Pro Gly Thr Cys --- --- --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 640)
Pro Gly Thr Cys --- --- --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 641)
Pro Gly Thr Cys --- --- --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 642)
Pro Gly Thr Cys --- --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 643)
Pro Gly Thr Cys --- --- Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 644)
Pro Gly Thr Cys --- --- Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 645)
Pro Gly Thr Cys --- --- Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 646)
Pro Gly Thr Cys --- --- Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 647)
Pro Gly Thr Cys --- --- Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 648)
Pro Gly Thr Cys --- --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 649)
Pro Gly Thr Cys --- --- Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 650)
Pro Gly Thr Cys --- --- Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 651)
Pro Gly Thr Cys --- --- Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 652)
Pro Gly Thr Cys --- --- Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 653)
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 654)
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 655)
Pro Gly Thr Cys --- --- Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 656)

FIG. 1

Pro Gly Thr Cys --- --- Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 657)
 Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 658)
 Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 659)
 Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 660)
 Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 661)
 Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 662)
 Pro Gly Thr Cys --- --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 663)
 Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 664)
 Pro Gly Thr Cys --- Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 665)
 Pro Gly Thr Cys --- Glu --- Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 666)
 Pro Gly Thr Cys --- Glu --- Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 667)
 Pro Gly Thr Cys --- Glu --- Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 668)
 Pro Gly Thr Cys --- Glu --- Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 669)
 Pro Gly Thr Cys --- Glu --- Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 670)
 Pro Gly Thr Cys --- Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 671)
 Pro Gly Thr Cys --- Glu --- Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 672)
 Pro Gly Thr Cys --- Glu --- Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 673)
 Pro Gly Thr Cys --- Glu --- Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 674)
 Pro Gly Thr Cys --- Glu --- Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 675)
 Pro Gly Thr Cys --- Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 676)
 Pro Gly Thr Cys --- Glu --- Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 677)
 Pro Gly Thr Cys --- Glu --- Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 678)
 Pro Gly Thr Cys --- Glu --- Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 679)
 Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 680)
 Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 681)
 Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 682)
 Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 683)
 Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 684)
 Pro Gly Thr Cys --- Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 685)
 Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 686)
 Pro Gly Thr Cys --- Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 687)
 Pro Gly Thr Cys --- Glu Ile Cys --- --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 688)
 Pro Gly Thr Cys --- Glu Ile Cys --- --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 689)
 Pro Gly Thr Cys --- Glu Ile Cys --- --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 690)
 Pro Gly Thr Cys --- Glu Ile Cys --- --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 691)
 Pro Gly Thr Cys --- Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 692)
 Pro Gly Thr Cys --- Glu Ile Cys --- Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 693)
 Pro Gly Thr Cys --- Glu Ile Cys --- Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 694)
 Pro Gly Thr Cys --- Glu Ile Cys --- Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 695)
 Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 696)
 Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 697)
 Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 698)
 Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 699)
 Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 700)
 Pro Gly Thr Cys --- Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 701)
 Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 702)
 Pro Gly Thr Cys --- Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 703)

FIG. 1

Pro Gly Thr Cys --- Glu Ile Cys Ala --- --- Cys Thr Gly Cys (SEQ ID NO: 704)
Pro Gly Thr Cys --- Glu Ile Cys Ala --- --- Ala Cys --- Gly Cys (SEQ ID NO: 705)
Pro Gly Thr Cys --- Glu Ile Cys Ala --- --- Ala Cys Thr --- Cys (SEQ ID NO: 706)
Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 707)
Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala --- Cys --- Gly Cys (SEQ ID NO: 708)
Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala --- Cys Thr --- Cys (SEQ ID NO: 709)
Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 710)
Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys --- --- Cys (SEQ ID NO: 711)
Pro Gly Thr Cys --- Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 712)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 713)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 714)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- --- Cys --- Gly Cys (SEQ ID NO: 715)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- --- Cys Thr --- Cys (SEQ ID NO: 716)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 717)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys --- --- Cys (SEQ ID NO: 718)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 719)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 720)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 721)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys --- --- Cys (SEQ ID NO: 722)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 723)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 724)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 725)
Pro Gly Thr Cys --- Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 726)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 727)
Pro Gly Thr Cys Gly --- --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 728)
Pro Gly Thr Cys Gly --- --- Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 729)
Pro Gly Thr Cys Gly --- --- Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 731)
Pro Gly Thr Cys Gly --- --- Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 732)
Pro Gly Thr Cys Gly --- --- Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 733)
Pro Gly Thr Cys Gly --- --- Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 734)
Pro Gly Thr Cys Gly --- --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 735)
Pro Gly Thr Cys Gly --- --- Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 736)
Pro Gly Thr Cys Gly --- --- Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 737)
Pro Gly Thr Cys Gly --- --- Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 738)
Pro Gly Thr Cys Gly --- --- Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 739)
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 740)
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 741)
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 742)
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 743)
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 744)
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 745)
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 746)
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 747)
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 748)
Pro Gly Thr Cys Gly --- --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 749)
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 750)

FIG. 1

Pro Gly Thr Cys Gly --- Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 751)
Pro Gly Thr Cys Gly --- Ile Cys --- --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 752)
Pro Gly Thr Cys Gly --- Ile Cys --- --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 753)
Pro Gly Thr Cys Gly --- Ile Cys --- --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 754)
Pro Gly Thr Cys Gly --- Ile Cys --- --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 755)
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 756)
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 757)
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 758)
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 759)
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 760)
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 761)
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 762)
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 763)
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 764)
Pro Gly Thr Cys Gly --- Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 765)
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 766)
Pro Gly Thr Cys Gly --- Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 767)
Pro Gly Thr Cys Gly --- Ile Cys Ala --- --- --- Cys Thr Gly Cys (SEQ ID NO: 768)
Pro Gly Thr Cys Gly --- Ile Cys Ala --- --- Ala Cys --- Gly Cys (SEQ ID NO: 769)
Pro Gly Thr Cys Gly --- Ile Cys Ala --- --- Ala Cys Thr --- Cys (SEQ ID NO: 770)
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 771)
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala --- Cys --- Gly Cys (SEQ ID NO: 772)
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala --- Cys Thr --- Cys (SEQ ID NO: 773)
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 774)
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys --- --- Cys (SEQ ID NO: 775)
Pro Gly Thr Cys Gly --- Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 776)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 777)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 778)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- --- Cys --- Gly Cys (SEQ ID NO: 779)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- --- Cys Thr --- Cys (SEQ ID NO: 780)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 781)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys --- --- Cys (SEQ ID NO: 782)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 783)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 784)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 785)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys --- --- Cys (SEQ ID NO: 786)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 787)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 788)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 789)
Pro Gly Thr Cys Gly --- Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 790)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 791)
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 792)
Pro Gly Thr Cys Gly Glu --- Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 793)
Pro Gly Thr Cys Gly Glu --- Cys --- --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 794)
Pro Gly Thr Cys Gly Glu --- Cys --- --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 795)
Pro Gly Thr Cys Gly Glu --- Cys --- --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 796)
Pro Gly Thr Cys Gly Glu --- Cys --- --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 797)

FIG. 1

Pro Gly Thr Cys Gly Glu --- Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 798)
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 799)
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 800)
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 801)
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 802)
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 803)
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 804)
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 805)
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 806)
Pro Gly Thr Cys Gly Glu --- Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 807)
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 808)
Pro Gly Thr Cys Gly Glu --- Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 809)
Pro Gly Thr Cys Gly Glu --- Cys Ala --- --- --- Cys Thr Gly Cys (SEQ ID NO: 810)
Pro Gly Thr Cys Gly Glu --- Cys Ala --- --- Ala Cys --- Gly Cys (SEQ ID NO: 811)
Pro Gly Thr Cys Gly Glu --- Cys Ala --- --- Ala Cys Thr --- Cys (SEQ ID NO: 812)
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 813)
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala --- Cys --- Gly Cys (SEQ ID NO: 814)
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala --- Cys Thr --- Cys (SEQ ID NO: 815)
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 816)
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys --- --- Cys (SEQ ID NO: 817)
Pro Gly Thr Cys Gly Glu --- Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 818)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 819)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 820)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- --- Cys --- Gly Cys (SEQ ID NO: 821)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- --- Cys Thr --- Cys (SEQ ID NO: 822)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 823)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys --- --- Cys (SEQ ID NO: 824)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 825)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 826)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 827)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys --- --- Cys (SEQ ID NO: 828)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 829)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 830)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 831)
Pro Gly Thr Cys Gly Glu --- Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 832)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 833)
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 834)
Pro Gly Thr Cys Gly Glu Ile Cys --- --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 835)
Pro Gly Thr Cys Gly Glu Ile Cys --- --- --- --- Cys Thr Gly Cys (SEQ ID NO: 836)
Pro Gly Thr Cys Gly Glu Ile Cys --- --- --- Ala Cys --- Gly Cys (SEQ ID NO: 837)
Pro Gly Thr Cys Gly Glu Ile Cys --- --- --- Ala Cys Thr --- Cys (SEQ ID NO: 838)
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 839)
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala --- Cys --- Gly Cys (SEQ ID NO: 840)
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala --- Cys Thr --- Cys (SEQ ID NO: 841)
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 842)
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys --- --- Cys (SEQ ID NO: 843)
Pro Gly Thr Cys Gly Glu Ile Cys --- --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 844)

FIG. 1

Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 845)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 846)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- --- Cys --- Gly Cys (SEQ ID NO: 847)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- --- Cys Thr --- Cys (SEQ ID NO: 848)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 849)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys --- --- Cys (SEQ ID NO: 850)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 851)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 852)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 853)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys --- --- Cys (SEQ ID NO: 854)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 855)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 856)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 857)
Pro Gly Thr Cys Gly Glu Ile Cys --- Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 858)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr Gly Cys (SEQ ID NO: 859)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr Gly Cys (SEQ ID NO: 860)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- --- Cys Thr Gly Cys (SEQ ID NO: 861)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- --- Cys --- Gly Cys (SEQ ID NO: 862)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- --- Cys Thr --- Cys (SEQ ID NO: 863)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys --- Gly Cys (SEQ ID NO: 864)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys --- --- Cys (SEQ ID NO: 865)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- --- Ala Cys Thr --- Cys (SEQ ID NO: 866)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr Gly Cys (SEQ ID NO: 867)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys --- Gly Cys (SEQ ID NO: 868)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys --- --- Cys (SEQ ID NO: 869)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala --- Cys Thr --- Cys (SEQ ID NO: 870)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- Gly Cys (SEQ ID NO: 871)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys --- --- Cys (SEQ ID NO: 872)
Pro Gly Thr Cys Gly Glu Ile Cys Ala --- Ala Ala Cys Thr --- Cys (SEQ ID NO: 873)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr Gly Cys (SEQ ID NO: 874)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- --- Cys Thr Gly Cys (SEQ ID NO: 875)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- --- Cys --- Gly Cys (SEQ ID NO: 876)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- --- Cys --- --- Cys (SEQ ID NO: 877)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- --- Cys Thr --- Cys (SEQ ID NO: 878)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- Gly Cys (SEQ ID NO: 879)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys --- --- Cys (SEQ ID NO: 880)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr --- Ala Cys Thr --- Cys (SEQ ID NO: 881)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr Gly Cys (SEQ ID NO: 882)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- Gly Cys (SEQ ID NO: 883)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys --- --- Cys (SEQ ID NO: 884)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala --- Cys Thr --- Cys (SEQ ID NO: 885)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- Gly Cys (SEQ ID NO: 886)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys --- --- Cys (SEQ ID NO: 887)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr --- Cys (SEQ ID NO: 888)

FIG. 1

Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 889)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 890)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 891)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 892)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 893)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 894)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 895)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 896)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 897)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 898)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 899)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQ ID NO: 900)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQ ID NO: 901)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQ ID NO: 902)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQ ID NO: 903)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 904)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 905)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQ ID NO: 906)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 907)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 908)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 909)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 910)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 911)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 912)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 913)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 914)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQ ID NO: 915)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQ ID NO: 916)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQ ID NO: 917)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQ ID NO: 918)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Gly Cys (SEQ ID NO: 919)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQ ID NO: 920)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQ ID NO: 921)
Pro Gly Xaa' Xaa' Xaa' Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO: 922)

FIG. 2

Pro Gly Xaa' Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 923)
Pro Gly Xaa' Xaa' Thr Cys Xaa' Gly Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 924)
Pro Gly Xaa' Xaa' Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 925)
Pro Gly Xaa' Xaa' Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 926)
Pro Gly Xaa' Xaa' Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 927)
Pro Gly Xaa' Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 928)
Pro Gly Xaa' Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 929)
Pro Gly Xaa' Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 930)
Pro Gly Xaa' Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 931)
Pro Gly Xaa' Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Cys Xaa' Thr Gly Cys (SEQID NO: 932)
Pro Gly Xaa' Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Cys Thr Xaa' Gly Cys (SEQID NO: 933)
Pro Gly Xaa' Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Cys Thr Gly Xaa' Cys (SEQID NO: 934)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Gly Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys Xaa' (SEQID NO: 935)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 936)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 937)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 938)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 939)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 940)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 941)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 942)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 943)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 944)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Cys Xaa' Thr Gly Cys (SEQID NO: 945)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Xaa' Gly Cys (SEQID NO: 946)
Pro Gly Xaa' Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Gly Xaa' Cys (SEQID NO: 947)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys Xaa' (SEQID NO: 948)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 949)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 950)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 951)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 952)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Cys Thr Gly Cys (SEQID NO: 953)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 954)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 955)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 956)

FIG. 2

Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 957)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 958)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 959)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 960)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 961)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 962)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 963)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 964)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 965)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 966)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 967)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 968)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 969)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 970)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 971)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 972)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 973)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 974)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 975)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 976)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 977)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 978)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 979)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 980)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 981)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 982)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 983)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 984)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 985)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 986)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 987)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 988)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 989)
Pro Gly Xaa' Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 990)

FIG. 2

Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 981)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 982)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 993)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 994)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 995)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 996)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 997)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 998)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 999)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1000)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1001)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1002)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1003)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1004)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1005)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1006)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1007)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1008)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1009)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1010)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1011)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1012)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 1013)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 1014)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 1015)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 1016)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1017)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 1018)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 1019)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 1020)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1021)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 1022)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 1023)
Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1024)

FIG. 2

Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 1025)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1026)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1027)
Pro Gly Xaa' Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1028)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1029)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1030)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1031)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1032)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1033)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1034)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1035)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1036)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1037)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1038)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1039)
Pro Gly Xaa' Thr Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1040)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1041)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1042)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1043)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1044)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Xaa' Gly Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1045)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1046)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1047)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1048)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1049)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1050)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1051)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1052)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1053)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1054)
Pro Gly Xaa' Thr Xaa' Cys Xaa' Gly Xaa' Gly Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1055)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1056)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1057)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1058)

FIG. 2

Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1059)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1060)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1061)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1062)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1063)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1064)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1065)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1066)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1067)
Pro Gly Xaa' Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1068)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1069)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1070)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1071)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1072)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1073)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1074)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1075)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1076)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1077)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1078)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1079)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1080)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1081)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1082)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1083)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1084)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1085)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1086)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1087)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1088)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1089)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1090)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1091)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1092)

FIG. 2

Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1093)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1094)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1085)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1086)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1097)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1098)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1099)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1100)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1101)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1102)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1103)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1104)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1105)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1106)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1107)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1108)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1109)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1110)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1111)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1112)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1113)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1114)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1115)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1116)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1117)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1118)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1119)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1120)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1121)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1122)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1123)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1124)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1125)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1126)

FIG. 2

Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1127)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1128)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1129)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1130)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1131)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1132)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1133)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 1134)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 1135)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 1136)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1137)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 1138)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 1139)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 1140)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1141)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 1142)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 1143)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1144)
Pro Gly Xaa' Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 1145)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1146)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1147)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1148)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1149)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1150)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1151)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1152)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1153)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1154)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1155)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1156)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1157)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1158)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1159)
Pro Gly Xaa' Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1160)

FIG. 2

Pro Gly Xaa' Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1161)
Pro Gly xaa' Thr Cys xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1162)
Pro Gly xaa' Thr Cys xaa' Glu Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1163)
Pro Gly xaa' Thr Cys xaa' Gly xaa' Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1164)
Pro Gly xaa' Thr Cys xaa' Gly xaa' Glu Ile Cys xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1165)
Pro Gly xaa' Thr Cys xaa' Gly xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1166)
Pro Gly xaa' Thr Cys xaa' Gly xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1167)
Pro Gly xaa' Thr Cys xaa' Gly xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1168)
Pro Gly xaa' Thr Cys xaa' Gly xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1169)
Pro Gly xaa' Thr Cys xaa' Gly xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1170)
Pro Gly xaa' Thr Cys xaa' Gly xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1171)
Pro Gly xaa' Thr Cys xaa' Gly xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1172)
Pro Gly xaa' Thr Cys xaa' Gly xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys xaa' (SEQID NO: 1173)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1174)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1175)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1176)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Ile Cys xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1177)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1178)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Ile Cys Ala Tyr xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1179)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1180)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1181)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1182)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Ile Cys Ala Tyr Ala Ala Cys Thr xaa' Gly Cys (SEQID NO: 1183)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly xaa' Cys (SEQID NO: 1184)
Pro Gly xaa' Thr Cys xaa' Gly Glu xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys xaa' (SEQID NO: 1185)
Pro Gly xaa' Thr Cys xaa' Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1186)
Pro Gly xaa' Thr Cys xaa' Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1187)
Pro Gly xaa' Thr Cys xaa' Gly Glu Ile xaa' Cys xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1188)
Pro Gly xaa' Thr Cys xaa' Gly Glu Ile xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1189)
Pro Gly xaa' Thr Cys xaa' Gly Glu Ile xaa' Cys Ala Tyr xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1190)
Pro Gly xaa' Thr Cys xaa' Gly Glu Ile xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1191)
Pro Gly xaa' Thr Cys xaa' Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1192)
Pro Gly xaa' Thr Cys xaa' Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1193)
Pro Gly xaa' Thr Cys xaa' Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1194)

FIG. 2

Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1195)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1196)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1197)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1198)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1199)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1200)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1201)
Pro Gly Xaa' Thr Cys Xaa' gly Glu Ile Cys Xaa' Ala Tyr Ala Ala xaa' Cys Thr Gly Cys (SEQID NO: 1202)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1203)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1204)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1205)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1206)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1207)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1208)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1209)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1210)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1211)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1212)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1213)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1214)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1215)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1216)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1217)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1218)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1219)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1220)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1221)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1222)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1223)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala xaa' Ala Cys Thr Gly Cys (SEQID NO: 1224)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1225)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1226)
Pro Gly Xaa' Thr Cys Xaa' gly Glu Ile Cys Ala Tyr Ala xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1227)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1228)

FIG. 2

Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1229)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1230)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1231)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1232)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1233)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1234)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1235)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1236)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 1237)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 1238)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 1239)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 1240)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 1241)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 1242)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Gly Cys (SEQID NO: 1243)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 1244)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 1245)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 1246)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 1247)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 1248)
Pro Gly Xaa' Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 1249)
Pro Gly Xaa' Thr Cys Gly Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 1250)
Pro Gly Xaa' Thr Cys Gly Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 1251)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1252)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1253)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1254)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1255)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1256)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1257)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1258)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1259)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1260)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 1261)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 1262)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1263)
Pro Gly Xaa' Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1264)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1265)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1266)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1267)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1268)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1269)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1270)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1271)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1272)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1273)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1274)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1275)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1276)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1277)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1278)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1279)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1280)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1281)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1282)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1283)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1284)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1285)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1286)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1287)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1288)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1289)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1290)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1291)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1292)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1293)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1294)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1295)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1296)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1297)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1298)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1299)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1300)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1301)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1302)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1303)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1304)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1305)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1306)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1307)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1308)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1309)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1310)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1311)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1312)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1313)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1314)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1315)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1316)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1317)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1318)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1319)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1320)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1321)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1322)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1323)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1324)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1325)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1326)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1327)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1328)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 1329)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 1330)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 1331)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 1332)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1333)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 1334)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 1335)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 1336)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1337)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 1338)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 1339)
Pro Gly Xaa' Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1340)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 1341)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1342)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1343)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1344)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1345)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1346)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1347)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1348)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1349)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1350)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1351)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1352)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1353)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1354)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1355)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1356)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1357)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1358)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1359)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1360)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1361)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1362)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1363)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1364)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1365)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1366)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1367)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1368)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1369)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1370)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1371)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1372)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1373)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1374)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1375)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1376)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1377)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1378)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1379)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1380)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1381)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1382)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1383)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1384)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1385)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1386)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1387)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1388)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1389)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1390)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1391)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1392)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1393)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1394)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1395)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1396)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1397)
Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1398)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1399)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1400)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1401)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1402)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1403)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1404)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1405)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 1406)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 1407)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 1408)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 1409)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 1410)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 1411)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Gly Cys (SEQID NO: 1412)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Gly Xaa' Cys (SEQID NO: 1413)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 1414)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 1415)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Cys (SEQID NO: 1416)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 1417)
 Pro Gly Xaa' Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 1418)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 1419)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 1420)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 1421)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 1422)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 1423)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 1424)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1425)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1426)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1427)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 1428)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 1429)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 1430)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 1431)
 Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 1432)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1433)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1434)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1435)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1436)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1437)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1438)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1439)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1440)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1441)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1442)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1443)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1444)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1445)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1446)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1447)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1448)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1449)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1450)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1451)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1452)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1453)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1454)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1455)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1456)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1457)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1458)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1459)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1460)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1461)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1462)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1463)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1464)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1465)
Pro Gly Xaa' Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1466)

FIG. 2

Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala xaa' xaa' Cys Thr Gly Cys (SEQID NO: 1467)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala xaa' Cys xaa' Thr Gly Cys (SEQID NO: 1468)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala xaa' Cys Thr xaa' Gly Cys (SEQID NO: 1469)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala xaa' Cys Thr Gly xaa' Cys (SEQID NO: 1470)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala xaa' Cys Thr Gly Cys xaa' (SEQID NO: 1471)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys xaa' Thr Gly Cys (SEQID NO: 1472)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys xaa' xaa' Thr Gly Cys (SEQID NO: 1473)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys xaa' Thr xaa' Gly Cys (SEQID NO: 1474)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys xaa' Thr Gly xaa' Cys (SEQID NO: 1475)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys xaa' Thr Gly Cys xaa' (SEQID NO: 1476)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr xaa' Gly Cys (SEQID NO: 1477)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr xaa' xaa' Gly Cys (SEQID NO: 1478)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr xaa' Gly xaa' Cys (SEQID NO: 1479)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr xaa' Gly Cys xaa' (SEQID NO: 1480)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Gly xaa' Cys (SEQID NO: 1481)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Gly xaa' xaa' Cys (SEQID NO: 1482)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Gly xaa' Cys xaa' (SEQID NO: 1483)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys xaa' (SEQID NO: 1484)
Pro Gly xaa' Thr Cys Gly Glu Ile xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys xaa' xaa' (SEQID NO: 1485)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1486)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1487)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' xaa' xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1488)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' xaa' Ala xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1489)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' xaa' Ala Tyr xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1490)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' xaa' Ala Tyr Ala xaa' Ala Cys Thr Gly Cys (SEQID NO: 1491)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' xaa' Ala Tyr Ala Ala xaa' Cys Thr Gly Cys (SEQID NO: 1492)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' xaa' Ala Tyr Ala Ala Cys xaa' Thr Gly Cys (SEQID NO: 1493)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' xaa' Ala Tyr Ala Ala Cys Thr xaa' Gly Cys (SEQID NO: 1494)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' xaa' Ala Tyr Ala Ala Cys Thr Gly xaa' Cys (SEQID NO: 1495)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' xaa' Ala Tyr Ala Ala Cys Thr Gly Cys xaa' (SEQID NO: 1496)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1497)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' Ala xaa' xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1498)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1499)
Pro Gly xaa' Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr Ala xaa' Ala Cys Thr Gly Cys (SEQID NO: 1500)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1501)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1502)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1503)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1504)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1505)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1506)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1507)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1508)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1509)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1510)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1511)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1512)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1513)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1514)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1515)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1516)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1517)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1518)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1519)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1520)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1521)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1522)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1523)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1524)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1525)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1526)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1527)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 1528)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 1529)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 1530)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 1531)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1532)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 1533)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 1534)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 1535)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1536)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 1537)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 1538)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1539)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 1540)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1541)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1542)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1543)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1544)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1545)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1546)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1547)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1548)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1549)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1550)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1551)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1552)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1553)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1554)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1555)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1556)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1557)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1558)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1559)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1560)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1561)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1562)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1563)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1564)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1565)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1566)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1567)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1568)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1569)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1570)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1571)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1572)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 1573)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 1574)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 1575)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 1576)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1577)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' xaa' Gly Cys (SEQID NO: 1578)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 1579)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 1580)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1581)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' xaa' Cys (SEQID NO: 1582)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 1583)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1584)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' xaa' (SEQID NO: 1585)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1586)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1587)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1588)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1589)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1590)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1591)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1592)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1593)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1594)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1595)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1596)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1597)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1598)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1599)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1600)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1601)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1602)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1603)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1604)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Thr Gly Cys (SEQID NO: 1605)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1606)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1607)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1608)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 1609)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 1610)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 1611)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 1612)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1613)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 1614)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 1615)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 1616)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1617)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 1618)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 1619)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1620)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 1621)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1622)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1623)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1624)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1625)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1626)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1627)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1628)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1629)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1630)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1631)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1632)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1633)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1634)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1635)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1636)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 1637)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 1638)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 1639)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 1640)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1641)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 1642)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 1643)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 1644)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1645)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 1646)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 1647)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1648)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 1649)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1650)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1651)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1652)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1653)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1654)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1655)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1656)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1657)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1658)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 1659)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 1660)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 1661)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1662)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 1663)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 1664)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 1665)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1666)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 1667)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 1668)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1669)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 1670)

FIG. 2

Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1671)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 1672)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 1673)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 1674)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 1675)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 1676)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 1677)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 1678)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 1679)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 1680)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 1681)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 1682)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 1683)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 1684)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' (SEQID NO: 1685)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1686)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 1687)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 1688)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 1689)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 1690)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 1691)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 1692)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 1693)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 1694)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 1695)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1696)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 1697)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Xaa' Cys (SEQID NO: 1698)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 1699)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 1700)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 1701)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1702)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 1703)
Pro Gly Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 1704)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1705)
 Pro Gly Thr Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1706)
 Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1707)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1708)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1709)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1710)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1711)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1712)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1713)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1714)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1715)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1716)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1717)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1718)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1719)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1720)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1721)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1722)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 1723)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 1724)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Xaa' Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 1725)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 1726)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 1727)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Cys Thr Gly Cys (SEQID NO: 1728)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Cys Thr Gly Cys (SEQID NO: 1729)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1730)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1731)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1732)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1733)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1734)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1735)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1736)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1737)
 Pro Gly Thr Xaa' Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1738)

FIG. 2

Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1739)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1740)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1741)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1742)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1743)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1744)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1745)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1746)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1747)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1748)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1749)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1750)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1751)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1752)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1753)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1754)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1755)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1756)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1757)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1758)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1759)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1760)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1761)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1762)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1763)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1764)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1765)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1766)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1767)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1768)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1769)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1770)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1771)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1772)

FIG. 2

Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1773)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1774)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1775)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1776)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1777)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1778)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1779)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1780)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1781)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1782)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1783)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1784)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1785)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1786)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1787)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1788)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1789)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1791)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1792)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1793)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1794)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1795)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1796)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1797)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1798)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1799)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1800)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1801)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1802)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1803)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1804)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1805)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1806)

FIG. 2

Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1807)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1808)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1809)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1810)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1811)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1812)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 1813)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 1814)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 1815)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 1816)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1817)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 1818)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 1819)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 1820)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1821)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 1822)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 1823)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1824)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 1825)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1826)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1827)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1828)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1829)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1830)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1831)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1832)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1833)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1834)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1835)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1836)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1837)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1838)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1839)
Pro Gly Thr Xaa' Xaa' Xaa' Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1840)

FIG. 2

Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1841)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1842)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1843)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1844)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1845)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1846)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1847)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1848)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1849)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1850)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1851)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1852)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1853)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1854)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1855)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1856)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1857)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1858)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1859)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1860)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1861)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1862)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1863)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1864)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1865)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1866)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1867)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1868)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1869)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1870)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1871)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1872)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1873)
Pro Gly Thr Xaa' Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1874)

FIG. 2

Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1875)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1876)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1877)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1878)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1879)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1880)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1881)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1882)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Thr Gly Cys (SEQID NO: 1883)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1884)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1885)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1886)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1887)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1888)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1889)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1890)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1891)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1892)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1893)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1894)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1895)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1896)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1897)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1898)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1899)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1900)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1901)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1902)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1903)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1904)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1905)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1906)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1907)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' gly Cys (SEQID NO: 1908)

FIG. 2

Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1909)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1910)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1911)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 1912)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1913)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1914)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1915)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1916)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1917)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 1918)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 1919)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 1920)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 1921)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1922)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 1923)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 1924)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 1925)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1926)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 1927)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 1928)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1929)
Pro Gly Thr Xaa' Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 1930)
Pro Gly Thr Xaa' Cys Gly Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1931)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1932)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1933)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1934)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1935)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1936)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1937)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1938)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1939)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1940)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 1941)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1942)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1943)
Pro Gly Thr Xaa' Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1944)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1945)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1946)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1947)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1948)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1949)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1950)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1951)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1952)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1953)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 1954)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 1955)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 1956)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1957)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1958)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1959)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1960)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1961)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1962)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1963)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1964)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1965)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1966)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1967)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1968)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1969)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1970)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1971)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1972)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1973)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1974)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1975)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1976)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1977)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1978)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 1979)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1980)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1981)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1982)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1983)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1984)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1985)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1986)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1987)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 1988)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1989)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1990)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1991)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1992)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 1993)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 1994)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1995)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 1996)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 1997)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 1998)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 1999)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2000)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2001)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2002)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2003)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2004)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2005)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2006)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2007)
Pro Gly Thr Xaa' Cys gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2008)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2009)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2010)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2011)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2012)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2013)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2014)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2015)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2016)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2017)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2018)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2019)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2020)
Pro Gly Thr Xaa' Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2021)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2022)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2023)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2024)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2025)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2026)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2027)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2028)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2029)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2030)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2032)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2033)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2034)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2035)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2036)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2037)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2038)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2039)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2040)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2041)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2042)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2043)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2044)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2045)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2046)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2047)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2048)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2049)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2050)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2051)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Thr Gly Cys (SEQID NO: 2052)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Thr Gly Cys (SEQID NO: 2053)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2054)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2055)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2056)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2057)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2058)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2059)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2060)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2061)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2062)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2063)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2064)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2065)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2066)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2067)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2068)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2069)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2070)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2071)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2072)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2073)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2074)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2075)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2076)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2077)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2078)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2079)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2080)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2081)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2082)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2083)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2084)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2085)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2086)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 2087)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 2088)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 2089)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 2090)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 2091)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Gly Cys (SEQID NO: 2092)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 2093)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 2094)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys (SEQID NO: 2095)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 2096)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 2097)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 2098)
Pro Gly Thr Xaa' Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 2099)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2100)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2101)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2102)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2103)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2104)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2105)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2106)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2107)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2108)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2109)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2110)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2111)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2112)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2113)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2114)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2115)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2116)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2117)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2118)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2119)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2120)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2121)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2122)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2123)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2124)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2125)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2126)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2127)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2128)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2129)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2130)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2131)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2132)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2133)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2134)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2135)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2136)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2137)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2138)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2139)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2140)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2141)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2142)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2143)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2144)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2145)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2146)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2147)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2148)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2149)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2150)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2151)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2152)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2153)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2154)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2155)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2156)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2157)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2158)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2159)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2160)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2161)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2162)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2163)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2164)
Pro Gly Thr Xaa' Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2165)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2166)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2167)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2168)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2169)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2170)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2171)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2172)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2173)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2174)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2175)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2176)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2177)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2178)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2179)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2180)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2181)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2182)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2183)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2184)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2185)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2186)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2187)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2188)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2189)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2190)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2191)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2192)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2193)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2194)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2195)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2196)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2197)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2198)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2199)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2200)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2201)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2202)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2203)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2204)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2205)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2206)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2207)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2208)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2209)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2210)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2211)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2212)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2213)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2214)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2215)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2216)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2217)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2218)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2219)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2220)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2221)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2222)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2223)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2224)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2225)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2226)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2227)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2228)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2229)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2230)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2231)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2232)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2233)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2234)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2235)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2236)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2237)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2238)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2239)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2240)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2241)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2242)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2243)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2244)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2245)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2246)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2247)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2248)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2249)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2250)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2251)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2252)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2253)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2254)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2255)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2256)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2257)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2258)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2259)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2260)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys. (SEQID NO: 2261)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2262)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2263)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2264)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2265)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2266)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2267)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2268)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2269)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2270)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2271)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2272)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2273)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2274)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2275)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2276)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2277)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2278)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2279)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2280)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2281)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2282)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2283)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2284)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2285)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2286)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2287)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2288)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2289)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2290)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2291)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2292)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2293)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2294)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2295)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2296)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2297)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2298)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2299)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2300)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2301)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2302)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2303)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2304)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2305)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2306)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2307)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2308)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2309)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2310)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2311)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2312)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2313)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2314)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2315)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2316)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2317)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2318)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2319)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2320)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2321)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2322)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2323)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2324)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2325)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2326)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2327)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2328)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2329)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2330)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2331)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2332)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2333)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2334)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2335)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2336)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2337)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2338)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2339)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2340)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2341)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2342)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2343)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2344)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2345)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2346)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2347)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2348)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2349)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2350)

FIG. 2

Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2351)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2352)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2353)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 2354)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 2355)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 2356)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2357)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 2358)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 2359)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 2360)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2361)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 2362)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 2363)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2364)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 2365)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2366)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2367)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2368)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 2369)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 2370)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2371)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 2372)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 2373)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2374)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 2375)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2376)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2377)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Xaa' Cys (SEQID NO: 2378)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 2379)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2380)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 2381)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2382)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2383)
Pro Gly Thr Xaa' Cys Gly Thr Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 2384)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2385)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2386)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2387)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2388)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2389)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2390)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2391)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2392)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2393)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2394)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2395)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2396)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2397)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Gly Cys (SEQID NO: 2398)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2399)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 2400)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2401)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2402)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2403)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Xaa' Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2404)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Xaa' Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2405)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Xaa' Gly Ile Cys Ala Xaa' Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2406)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Xaa' Gly Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2407)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Xaa' Gly Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2408)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Xaa' Gly Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2409)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Xaa' Gly Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2410)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Xaa' Gly Ile Cys Ala Tyr Ala Xaa' Gly Cys (SEQID NO: 2411)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Xaa' Gly Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 2412)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Xaa' Gly Xaa' Gly Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 2413)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2414)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2415)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2416)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2417)
Pro Gly Thr Cys Xaa' Xaa' Xaa' Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2418)

FIG. 2

Pro Gly Thr Cys Xaa' Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2419)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2420)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2421)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2422)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2423)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2424)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2425)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2426)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2427)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2428)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2429)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2430)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2431)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2432)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2433)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2434)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2435)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2436)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2437)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2438)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2439)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2440)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2441)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2442)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2443)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2444)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2445)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2446)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2447)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2448)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Tyr Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2449)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2450)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2451)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2452)

FIG. 2

Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2453)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2454)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2455)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2456)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Xaa' xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2457)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2458)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2459)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2460)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2461)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2462)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2463)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2464)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2465)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2466)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2467)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2468)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2469)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2470)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2471)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2472)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2473)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2474)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2475)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2476)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2477)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2478)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2479)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2480)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2481)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2482)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2483)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2484)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2485)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2486)

FIG. 2

Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2487)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2488)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2489)
Pro Gly Thr Cys Xaa' Xaa' Gly Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2490)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2491)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2492)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2493)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2494)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2495)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2496)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Cys Thr Gly Cys (SEQID NO: 2497)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2498)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2499)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2500)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2501)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2502)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2503)
Pro Gly Thr Cys Xaa' Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2504)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2505)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2506)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2507)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2508)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Cys Thr Gly Cys (SEQID NO: 2509)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2510)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2511)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2512)
Pro Gly Thr Cys Xaa' gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2513)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2514)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2515)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2516)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2517)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2518)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Cys Thr Gly Cys (SEQID NO: 2519)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Cys Thr Gly Cys (SEQID NO: 2520)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2521)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2522)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2523)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2524)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2525)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2526)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2527)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2528)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2529)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2530)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2531)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2532)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2533)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2534)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2535)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2536)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2537)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2538)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2539)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2540)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2541)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2542)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2543)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2544)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2545)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2546)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2547)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2548)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2549)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2550)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2551)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2552)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2553)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2554)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2555)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2556)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2557)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2558)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2559)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2560)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2561)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2562)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2563)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2564)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2565)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2566)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2567)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2568)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 2569)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2570)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 2571)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 2572)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 2573)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Gly Cys (SEQID NO: 2574)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2575)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2576)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2577)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2578)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2579)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2580)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2581)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2582)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2583)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2584)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2585)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2586)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2587)
Pro Gly Thr Cys Xaa' Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2588)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2623)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2624)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2625)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2626)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2627)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2628)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2629)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2630)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2631)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2632)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2633)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2634)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2635)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2636)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2637)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2638)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2639)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2640)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2641)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2642)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2643)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2644)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2645)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2646)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 2647)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 2648)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 2649)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 2650)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 2651)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 2652)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 2653)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 2654)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 2655)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Thr gly xaa' xaa' Cys (SEQID NO: 2656)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2657)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2658)
Pro Gly Thr Cys Xaa' Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2659)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2660)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2661)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2662)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2663)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2664)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2665)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2666)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2667)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2668)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2669)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2670)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2671)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2672)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2673)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2674)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2675)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2676)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2677)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2678)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2679)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2680)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2681)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2682)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2683)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2684)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2685)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2686)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2687)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2688)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2689)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2690)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2681)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2682)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2683)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2684)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2685)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2686)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2687)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2688)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2689)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2700)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2701)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2702)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2703)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2704)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2705)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2706)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2707)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2708)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2709)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2710)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2711)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2712)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2713)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2714)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2715)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2716)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2717)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2718)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2719)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2720)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2721)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2722)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2723)
Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2724)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2725)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2726)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2727)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2728)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2729)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2730)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2731)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2732)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2733)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2734)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2735)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2736)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2737)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2738)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2739)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2740)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2741)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2742)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2743)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2744)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2745)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2746)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2747)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2748)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2749)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2750)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2751)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2752)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2753)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2754)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2755)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2756)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2757)
 Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2758)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2759)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2760)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2761)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2762)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2763)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2764)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2765)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2766)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2767)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Thr Gly Cys (SEQID NO: 2768)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2769)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2770)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2771)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2772)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Gly Cys (SEQID NO: 2773)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2774)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2775)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2776)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2777)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2778)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2779)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' (SEQID NO: 2780)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2781)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2782)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2783)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2784)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2785)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2786)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2787)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2788)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2789)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2790)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2791)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2792)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2793)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2794)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2795)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2796)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2797)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2798)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2799)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2800)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2801)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2802)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2803)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2804)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2805)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2806)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2807)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2808)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2809)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2810)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2811)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Thr Gly Cys (SEQID NO: 2812)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 2813)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Thr Xaa' Gly Cys (SEQID NO: 2814)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 2815)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Thr gly Cys Xaa' (SEQID NO: 2816)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Gly Cys (SEQID NO: 2817)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Gly Cys (SEQID NO: 2818)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Gly Xaa' Cys (SEQID NO: 2819)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 2820)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Thr Gly Xaa' Cys (SEQID NO: 2821)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 2822)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 2823)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Thr Gly Cys Xaa' (SEQID NO: 2824)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 2825)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2826)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2827)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2828)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2829)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2830)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2831)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2832)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2833)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2834)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2835)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2836)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2837)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2838)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2839)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2840)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2841)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2842)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2843)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2844)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2845)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2846)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2847)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2848)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2849)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2850)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2851)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2852)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2853)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2854)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2855)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2856)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2857)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2858)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2859)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2860)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2861)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2862)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2863)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2864)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2865)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2866)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2867)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2868)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2869)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2870)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2871)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2872)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2873)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2874)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2875)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2876)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2877)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2878)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2879)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2880)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2881)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2882)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2883)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2884)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2885)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2886)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2887)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2888)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2889)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2890)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2891)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 2892)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2893)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2894)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2895)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2896)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 2897)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2898)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2899)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly xaa' Cys (SEQID NO: 2900)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2901)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 2902)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2903)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2904)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2905)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 2906)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2907)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2908)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 2909)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2910)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2911)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 2912)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Xaa' Thr Gly Cys (SEQID NO: 2913)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 2914)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 2915)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 2916)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 2917)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 2918)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 2919)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 2920)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 2921)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 2922)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 2923)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 2924)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys xaa' Xaa' (SEQID NO: 2925)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2926)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2927)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 2928)

FIG. 2

Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 2929)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 2930)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2931)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 2932)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 2933)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 2934)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' (SEQID NO: 2935)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2936)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 2938)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 2939)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 2940)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 2941)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2942)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 2943)
Pro Gly Thr Cys Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 2944)
Pro Gly Thr Cys Gly Xaa' Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2945)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2946)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2947)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2948)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2949)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2950)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2951)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2952)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2953)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2954)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2955)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2956)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2957)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2958)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2959)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2960)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2961)
Pro Gly Thr Cys Gly Xaa' Xaa' Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2962)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2963)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2964)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2965)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2966)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2967)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2968)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2969)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2970)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2971)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2972)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2973)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2974)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2975)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2976)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2977)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2978)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2979)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2980)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2981)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2982)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2983)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2984)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2985)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2986)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2987)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2988)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2989)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2990)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 2991)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 2992)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2993)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 2994)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 2995)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 2996)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 2997)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 2998)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 2999)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3000)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3001)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3002)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3003)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3004)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3005)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3006)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3007)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3008)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3009)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3010)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3011)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3012)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3013)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3014)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3015)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3016)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3017)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3018)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3019)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3020)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3021)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3022)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Xaa' Thr Gly Cys (SEQID NO: 3023)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3024)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3025)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3026)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3027)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3028)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3029)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3030)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3031)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3032)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3033)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3034)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3035)
Pro Gly Thr Cys Gly Xaa' Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3036)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3037)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3038)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3039)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3040)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3041)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3042)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3043)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3044)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3045)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3046)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3047)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3048)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3049)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3050)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3051)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3052)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3053)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3054)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3055)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3056)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3057)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3058)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3059)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3060)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3061)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3062)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3063)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3064)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3065)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3066)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3067)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3068)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3069)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3070)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3071)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3072)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3073)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3074)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3075)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3076)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3077)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3078)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3079)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3080)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3081)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3082)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3083)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3084)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3085)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3086)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3087)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3088)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3089)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3090)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3091)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3092)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3093)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3094)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3095)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3096)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3097)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3098)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3099)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3100)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3101)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3102)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3103)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3104)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3105)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3106)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3107)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3108)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3109)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3110)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3111)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3112)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3113)
Pro Gly Thr Cys Gly Xaa' Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3114)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3115)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3116)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3117)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3118)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3119)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3120)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3121)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3122)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3123)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3124)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3125)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3126)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3127)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3128)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3129)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3130)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3131)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3132)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3133)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3134)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3135)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3136)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3137)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3138)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3139)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3140)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3141)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3142)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3143)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3144)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3145)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3146)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3147)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3148)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3149)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3150)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3151)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3152)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3153)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3154)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3155)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3156)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3157)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3158)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3159)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3160)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3161)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3162)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3163)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3164)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3165)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3166)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3167)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3168)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Thr Gly Cys (SEQID NO: 3169)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3170)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3171)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3172)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3173)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3174)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3175)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3176)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3177)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3178)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3179)
Pro Gly Thr Cys Gly Xaa' Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3180)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3181)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3182)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3183)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3184)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3185)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3186)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3187)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3188)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3189)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3190)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3191)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3192)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3193)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3194)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3195)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3196)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3197)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3198)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3199)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3200)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3201)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3202)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3203)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3204)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3205)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3206)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3207)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3208)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3209)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3210)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3211)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3212)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3213)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3214)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3215)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3216)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3217)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3218)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3219)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3220)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3221)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3222)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3223)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3224)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3225)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3226)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3227)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3228)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3229)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3230)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3231)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3232)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3233)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3234)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3235)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3236)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3237)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3238)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3239)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3240)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3241)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3242)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3243)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3244)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3245)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3246)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3247)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3248)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3249)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3250)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3251)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3252)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3253)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3254)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3255)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3256)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3257)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3258)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3259)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3260)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3261)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3262)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3263)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3264)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3265)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3266)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3267)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3268)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3269)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3270)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3271)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3272)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3273)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3274)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3275)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3276)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3277)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3278)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3279)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3280)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3281)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3282)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3283)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3284)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3285)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3286)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3287)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3288)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3289)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3290)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3291)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3292)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3293)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3294)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3295)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3296)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3297)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3298)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3299)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3300)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3301)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3302)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3303)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3304)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3305)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3306)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3307)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3308)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3309)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3310)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3311)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3312)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3313)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3314)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3315)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3316)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3317)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3318)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3319)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3320)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3321)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3322)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3323)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3324)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3325)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3326)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3327)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3328)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3329)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3330)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3331)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3332)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3333)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3334)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3335)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3336)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3337)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3338)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3339)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3340)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3341)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3342)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3343)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3344)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3345)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3346)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3347)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3348)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Xaa' Thr Gly Cys (SEQID NO: 3349)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3350)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3351)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3352)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3353)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Xaa' Thr Gly Cys (SEQID NO: 3354)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3355)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3356)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3357)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3358)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3359)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3360)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3361)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3362)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3363)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3364)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3365)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3366)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3367)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3368)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 3369)
 Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Xaa' Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 3370)

FIG. 2

Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 3371)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3372)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 3373)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 3374)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 3375)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3376)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 3377)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 3378)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3379)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 3380)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3381)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3382)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Xaa' Gly Cys (SEQID NO: 3383)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 3384)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 3385)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3386)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 3387)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 3388)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3389)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 3390)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3391)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3392)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Xaa' Cys (SEQID NO: 3393)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 3394)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3395)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 3396)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3397)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3398)
Pro Gly Thr Cys Gly Xaa' Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3399)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3400)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3401)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3402)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3403)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3404)

FIG. 2

Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3405)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3406)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3407)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3408)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3409)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3410)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3411)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3412)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3413)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3414)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3415)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3416)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3417)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3418)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3419)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3420)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3421)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3422)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3423)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3424)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3425)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3426)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3427)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3428)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3429)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3430)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3431)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3432)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3433)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys xaa' (SEQID NO: 3434)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3435)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3436)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Xaa' Tyr xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3437)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3438)

FIG. 2

Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3438)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3440)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3441)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3442)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3443)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3444)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3445)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3446)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3447)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3448)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3449)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3450)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3451)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3452)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3453)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3454)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3455)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3456)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3457)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3458)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3459)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3460)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3461)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3462)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3463)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3464)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3465)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3466)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3467)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3468)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3469)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3470)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3471)
Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3472)

FIG. 2

Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3473)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3474)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3475)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3476)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3477)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3478)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3479)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3480)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3481)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3482)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3483)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3484)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3485)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3486)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3487)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3488)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3489)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3490)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3491)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3492)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3493)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3494)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3495)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3496)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3497)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3498)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3499)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3500)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3501)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3502)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3503)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3504)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3505)
 Pro Gly Thr Cys Gly Glu Xaa' Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3506)

FIG. 2

Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3507)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3508)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3509)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3510)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3511)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3512)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3513)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3514)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3515)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3516)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3517)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3518)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3520)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3521)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3522)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3523)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3524)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3525)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3526)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3527)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3528)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3529)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3530)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3531)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3532)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3533)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3534)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3535)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3536)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3537)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3538)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3539)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3540)

FIG. 2

Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3541)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3542)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3543)
Pro Gly Thr Cys Gly Glu Xaa' Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3544)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3545)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3546)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3547)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3548)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3549)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3550)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3551)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3552)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3553)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3554)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3555)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3556)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3557)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3558)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3559)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3560)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3561)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3562)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3563)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3564)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3565)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3566)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3567)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3568)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3569)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3570)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3571)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3572)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3573)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3574)

FIG. 2

Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3575)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3576)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3577)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3578)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3579)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3580)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3581)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3582)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3583)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3584)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3585)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3586)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3587)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3588)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3589)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3590)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3591)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3592)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3593)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3594)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3595)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3596)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3597)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3598)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3599)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3600)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3601)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3602)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3603)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3604)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3605)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3606)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3607)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3608)

FIG. 2

Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3609)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3610)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3611)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3612)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3613)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3614)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3615)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3616)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3617)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3618)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3619)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3620)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3621)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3622)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3623)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3624)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3625)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3626)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3627)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3628)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3629)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3630)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3631)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3632)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3633)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3634)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3635)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3636)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3637)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3638)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3639)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3640)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3641)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3642)

FIG. 2

Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3643)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3644)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3645)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3646)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3647)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3648)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3649)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3650)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3651)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3652)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3653)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3654)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3655)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3656)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3657)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3658)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3659)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3660)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3661)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3662)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3663)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3664)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3665)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3666)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3667)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3668)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3669)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3670)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3671)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3672)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3673)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3674)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3675)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3676)

FIG. 2

Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3677)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3678)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3679)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3680)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3681)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3682)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3683)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3684)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3685)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3686)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3687)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3688)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3689)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3690)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3691)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3692)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3693)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3694)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3695)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3696)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3697)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3698)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3699)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3700)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3701)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3702)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3703)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3704)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3705)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3706)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3707)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3708)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3709)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3710)

FIG. 2

Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3711)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3712)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Xaa' Thr Gly Cys (SEQID NO: 3713)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3714)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3715)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3716)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3717)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3718)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3719)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3720)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3721)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3722)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3723)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3724)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3725)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3726)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3727)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3728)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 3729)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3730)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3731)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Xaa' Thr Gly Cys (SEQID NO: 3732)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 3733)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 3734)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 3735)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3736)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 3737)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 3738)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 3739)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3740)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 3741)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 3742)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3743)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 3744)

FIG. 2

Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3745)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3746)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Xaa' Gly Cys (SEQID NO: 3747)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 3748)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 3749)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3750)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 3751)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 3752)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3753)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 3754)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3755)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3756)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Xaa' Cys (SEQID NO: 3757)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 3758)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3759)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 3760)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3761)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3762)
Pro Gly Thr Cys Gly Glu Xaa' Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 3763)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3764)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3765)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3766)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3767)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3768)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3769)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3770)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3771)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3772)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3773)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3774)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3775)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3776)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3777)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Xaa' Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3778)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3779)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3780)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3781)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3782)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3783)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3784)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3785)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3786)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3787)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3788)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3789)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3790)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3791)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3792)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3793)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3794)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3795)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3796)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3797)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3798)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3799)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3800)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3801)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3802)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3803)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3804)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3805)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3806)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3807)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3808)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3809)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3810)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3811)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3812)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3813)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3814)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3815)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3816)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3817)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3818)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3819)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3820)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3821)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3822)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3823)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3824)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3825)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3826)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3827)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3828)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3829)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3830)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3831)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3832)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3833)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3834)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3835)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3836)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3837)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3838)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3839)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3840)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3841)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3842)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3843)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3844)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3845)
Pro Gly Thr Cys Gly Glu Ile Xaa' Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3846)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3847)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3848)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3849)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3850)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3851)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3852)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3853)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3854)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3855)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3856)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3857)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3858)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3859)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3860)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3861)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3862)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3863)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3864)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3865)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3866)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3867)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3868)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3869)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Cys (SEQID NO: 3870)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3871)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3872)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3873)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3874)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3875)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3876)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3877)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3878)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3879)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3880)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3881)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3882)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3883)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3884)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3885)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3886)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3887)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 3888)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3889)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3890)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3891)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3892)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Thr Gly Cys (SEQID NO: 3893)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3894)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3895)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3896)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3897)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3898)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3899)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3900)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Thr Gly Cys (SEQID NO: 3901)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3902)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3903)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3904)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3905)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3906)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3907)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Xaa' Thr Gly Cys (SEQID NO: 3908)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3909)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3910)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3911)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3912)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3913)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Thr Gly Cys (SEQID NO: 3914)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3915)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3916)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3917)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3918)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3919)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3920)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3921)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3922)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3923)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3924)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3925)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3926)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3927)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3928)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3929)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3930)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3931)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3932)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 3933)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3934)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3935)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3936)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3937)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3938)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3939)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3940)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3941)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3942)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3943)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3944)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3945)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3946)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3947)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3948)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3949)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3950)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3951)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3952)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3953)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 3954)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3955)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3956)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3957)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3958)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3959)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3960)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3961)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3962)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3963)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3964)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3965)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3966)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3967)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3968)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 3969)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3970)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3971)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3972)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3973)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3974)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3975)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3976)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3977)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3978)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 3979)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 3980)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3981)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 3982)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 3983)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 3984)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 3985)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 3986)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 3987)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 3988)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 3989)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 3990)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 3991)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 3992)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 3993)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 3994)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 3995)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3996)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 3997)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 3998)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 3999)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4000)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4001)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4002)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4003)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4004)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4005)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4006)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4007)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4008)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4009)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4010)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4011)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4012)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4013)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4014)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4015)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4016)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4017)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4018)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4019)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4020)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 4021)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4022)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 4023)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 4024)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 4025)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4026)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 4027)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 4028)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4029)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 4030)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4031)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4032)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4033)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 4034)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 4035)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4036)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 4037)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 4038)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 4039)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 4040)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4041)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4042)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Xaa' Cys (SEQID NO: 4043)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 4044)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4045)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 4046)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4047)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4048)
Pro Gly Thr Cys Gly Glu Ile Xaa' Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 4049)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4050)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4051)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4052)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4053)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4054)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4055)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4056)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4057)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4058)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4059)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4060)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4061)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Xaa' Tyr Ala Xaa' Tyr Ala Cys Thr Gly Cys (SEQID NO: 4062)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4063)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Tyr Ala Cys Thr Gly Cys (SEQID NO: 4064)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Tyr Ala Cys Thr Gly Cys (SEQID NO: 4065)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Tyr Ala Cys Thr Gly Cys (SEQID NO: 4066)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Tyr Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4067)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Tyr Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4068)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Tyr Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4069)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Tyr Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4070)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4071)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4072)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4073)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4074)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4075)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4076)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4077)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4078)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4079)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4080)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4081)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4082)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4083)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4084)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4085)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala xaa' Cys Thr Gly Cys (SEQID NO: 4086)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4087)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala xaa' Cys xaa' Thr Gly Cys (SEQID NO: 4088)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala xaa' Cys Thr xaa' Gly Cys (SEQID NO: 4089)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala xaa' Cys Thr Gly xaa' Cys (SEQID NO: 4090)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4091)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys xaa' Thr Gly Cys (SEQID NO: 4092)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys xaa' Xaa' Thr Gly Cys (SEQID NO: 4093)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys xaa' Thr xaa' Gly Cys (SEQID NO: 4094)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys xaa' Thr Gly xaa' Cys (SEQID NO: 4095)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys xaa' Thr Gly Cys xaa' (SEQID NO: 4096)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys Thr xaa' Gly Cys (SEQID NO: 4097)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys Thr xaa' Xaa' Gly Cys (SEQID NO: 4098)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys Thr xaa' Gly xaa' Cys (SEQID NO: 4099)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys Thr xaa' Gly Cys xaa' (SEQID NO: 4100)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly xaa' Cys (SEQID NO: 4101)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly xaa' xaa' Cys (SEQID NO: 4102)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly xaa' Cys xaa' (SEQID NO: 4103)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys xaa' (SEQID NO: 4104)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys xaa' Xaa' (SEQID NO: 4105)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4106)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4107)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4108)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Xaa' Tyr xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4109)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Xaa' Tyr Ala xaa' Ala Cys Thr Gly Cys (SEQID NO: 4110)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Xaa' Tyr Ala Ala xaa' Cys Thr Gly Cys (SEQID NO: 4111)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Xaa' Tyr Ala Ala Cys xaa' Thr Gly Cys (SEQID NO: 4112)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Xaa' Tyr Ala Ala Cys Thr xaa' Gly Cys (SEQID NO: 4113)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Xaa' Tyr Ala Ala Cys Thr Gly xaa' Cys (SEQID NO: 4114)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Xaa' Tyr xaa' Ala Ala Cys Thr Gly Cys xaa' (SEQID NO: 4115)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4116)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4117)
Pro Gly Thr Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr xaa' Ala xaa' Ala Cys Thr Gly Cys (SEQID NO: 4118)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4119)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4120)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4121)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4122)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4123)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4124)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4125)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4126)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4127)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4128)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4129)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4130)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4131)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4132)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4133)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4134)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4135)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4136)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4137)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4138)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4139)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4140)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4141)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4142)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4143)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4144)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4145)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4146)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4147)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4148)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4149)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Xaa' Tyr Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4150)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4151)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4152)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4153)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4154)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4155)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Xaa' Cys Thr Gly Cys (SEQID NO: 4156)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4157)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4158)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4159)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4160)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4161)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4162)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4163)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4164)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4165)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4166)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4167)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4168)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4169)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4170)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4171)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4172)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4173)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4174)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4175)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4176)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4177)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4178)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4179)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4180)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4181)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4182)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4183)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4184)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4185)
 Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4186)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4187)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4188)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4189)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4190)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4191)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4192)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4193)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4194)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4195)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4196)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4197)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4198)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4199)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4200)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4201)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4202)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4203)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4204)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4205)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4206)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4207)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4208)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4209)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4210)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4211)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4212)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4213)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4214)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4215)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4216)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4217)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4218)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4219)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4220)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4221)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4222)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4223)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa' Thr Gly Cys (SEQID NO: 4224)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4225)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4226)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4227)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4228)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4229)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4230)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4231)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4232)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4233)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4234)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4235)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4236)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4237)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Xaa' Thr Gly Cys (SEQID NO: 4238)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4239)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4240)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 4241)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4242)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 4243)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 4244)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 4245)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4246)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 4247)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 4248)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4249)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 4250)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4251)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4252)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Xaa' Gly Cys (SEQID NO: 4253)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 4254)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 4255)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4256)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 4257)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 4258)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4259)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 4260)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4261)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4262)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 4263)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 4264)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4265)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 4266)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4267)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4268)
Pro Gly Thr Cys Gly Glu Ile Cys Xaa' Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 4269)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4270)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4271)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4272)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys (SEQID NO: 4273)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4274)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4275)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4276)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4277)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4278)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4279)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4280)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4281)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4282)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4283)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4284)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4285)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4286)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4287)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4288)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4289)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4290)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4291)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4292)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4293)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4294)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4295)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4296)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4297)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4298)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4299)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4300)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4301)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4302)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4303)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4304)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4305)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4306)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4307)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4308)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4309)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4310)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4311)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4312)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4313)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4314)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4315)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4316)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4317)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4318)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4319)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4320)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4321)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Xaa' Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4322)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4323)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4324)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4325)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4326)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4327)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4328)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4329)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4330)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4331)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4332)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4333)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4334)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4335)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4336)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4337)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4338)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4339)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4340)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4341)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4342)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4343)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4344)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4345)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Xaa' gly Cys Xaa' (SEQID NO: 4346)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4347)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4348)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4349)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4350)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4351)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4352)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4353)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4354)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4355)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4356)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4357)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4358)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4359)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4360)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4361)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4362)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4363)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4364)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4365)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 4366)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 4367)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4368)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4369)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 4370)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4371)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4372)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 4373)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 4374)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4375)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 4376)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 4377)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 4378)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 4379)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 4380)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4381)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4382)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4383)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4384)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4385)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4386)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 4387)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 4388)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4389)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4390)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4391)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4392)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4393)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4394)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4395)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4396)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4397)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4398)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4399)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4400)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4401)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4402)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Xaa' Thr Gly Cys (SEQID NO: 4403)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4404)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4405)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 4406)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4407)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 4408)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 4409)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 4410)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4411)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 4412)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 4413)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4414)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 4415)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4416)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4417)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Xaa' Xaa' Gly Cys (SEQID NO: 4418)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 4419)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 4420)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4421)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 4422)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 4423)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4424)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 4425)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4426)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4427)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4428)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 4429)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4430)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 4431)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4432)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4433)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 4434)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4435)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4436)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4437)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: 4438)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4439)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4440)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4441)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Cys Thr Xaa' Thr Gly Cys (SEQID NO: 4442)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4443)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4444)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4445)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4446)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4447)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Xaa' Ala Xaa' Thr Gly Cys (SEQID NO: 4448)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Xaa' Ala Cys Thr Xaa' Thr Gly Cys (SEQID NO: 4449)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4450)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4451)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4452)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4453)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4454)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Xaa' Cys Thr Xaa' Thr Gly Cys (SEQID NO: 4455)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4456)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4457)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4458)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4459)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4460)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4461)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 4462)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4463)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4464)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4465)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4466)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4467)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4468)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4469)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4470)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4471)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4472)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4473)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4474)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4475)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4476)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4477)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4478)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4479)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4480)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4481)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4482)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4483)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4484)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4485)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4486)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4487)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4488)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4489)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4490)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4491)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4492)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4493)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4494)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4495)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4496)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4497)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4498)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4499)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4500)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4501)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4502)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4503)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4504)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4505)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4506)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4507)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4508)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4509)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4510)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4511)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4512)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4513)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4514)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4515)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4516)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4517)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4518)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4519)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4520)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4521)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4522)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4523)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4524)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4525)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 4526)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4527)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 4528)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 4529)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 4530)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4531)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4532)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 4533)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4534)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 4535)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4536)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4537)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4538)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 4539)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 4540)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4541)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4542)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 4543)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4544)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 4545)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4546)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4547)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4548)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 4549)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4550)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 4551)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4552)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4553)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4554)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4555)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4556)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4557)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: 4558)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4559)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4560)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4561)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4562)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4563)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4564)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4565)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4566)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4567)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4568)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4569)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4570)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4571)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4572)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4573)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4574)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4575)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4576)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4577)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4578)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4579)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4580)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4581)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4582)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4583)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4584)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4585)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4586)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4587)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4588)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4589)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4590)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4591)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4592)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4593)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4594)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4595)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4596)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4597)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4598)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4599)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4600)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4601)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4602)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4603)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4604)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: 4605)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4606)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Xaa' Xaa' Thr Gly Cys (SEQID NO: 4607)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4608)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4609)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 4610)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4611)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 4612)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 4613)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 4614)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4615)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 4616)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 4617)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4618)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 4619)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4620)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4621)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Xaa' Xaa' Gly Cys (SEQID NO: 4622)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 4623)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 4624)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4625)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 4626)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 4627)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4628)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 4629)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4630)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4631)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Xaa' Xaa' Cys (SEQID NO: 4632)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 4633)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4634)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 4635)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4636)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4637)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 4638)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Cys Thr Gly Cys (SEQID NO: 4639)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4640)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4641)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: 4642)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4643)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4644)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4645)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4646)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4647)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4648)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4649)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4650)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4651)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4652)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4653)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4654)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4655)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4656)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4657)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4658)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4659)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4660)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4661)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4662)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Xaa' Xaa' Thr Gly Cys (SEQID NO: 4663)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4664)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4665)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 4666)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4667)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 4668)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 4669)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 4670)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4671)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 4672)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 4673)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4674)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 4675)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: 4676)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4677)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Xaa' Gly Cys (SEQID NO: 4678)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 4679)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 4680)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4681)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 4682)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 4683)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4684)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 4685)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: 4686)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4687)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4688)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 4689)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4690)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 4691)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: 4692)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4693)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 4694)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: 4695)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Thr Gly Cys (SEQID NO: 4696)

FIG. 2

Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: 4697)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Xaa' Thr Gly Cys (SEQID NO: 4698)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4699)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4700)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 4701)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys (SEQID NO: 4702)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 4703)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 4704)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 4705)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys (SEQID NO: 4706)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 4707)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 4708)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' (SEQID NO: 4709)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 4710)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys (SEQID NO: 4711)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys (SEQID NO: 4712)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Xaa' Gly Cys (SEQID NO: 4713)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Xaa' Cys (SEQID NO: 4714)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 4715)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys (SEQID NO: 4716)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 4717)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 4718)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' (SEQID NO: 4719)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 4720)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys (SEQID NO: 4721)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys (SEQID NO: 4722)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Xaa' Cys (SEQID NO: 4723)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 4724)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' (SEQID NO: 4725)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 4726)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' (SEQID NO: 4727)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' (SEQID NO: 4728)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 4729)
 Pro Gly Thr Cys Gly Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: 4730)

FIG. 2

Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4731)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4732)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4733)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4734)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 4735)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4736)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys (SEQID NO: 4737)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 4738)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' (SEQID NO: 4739)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 4740)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: 4741)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 4742)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys (SEQID NO: 4743)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 4744)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' (SEQID NO: 4745)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 4746)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' (SEQID NO: 4747)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' (SEQID NO: 4748)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 4749)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: 4750)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys (SEQID NO: 4751)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Xaa' Cys (SEQID NO: 4752)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Xaa' Cys (SEQID NO: 4753)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 4754)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' (SEQID NO: 4755)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys Xaa' Xaa' (SEQID NO: 4756)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: 4757)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' (SEQID NO: 4758)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' Xaa' Xaa' (SEQID NO: 4759)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: 4760)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' (SEQID NO: 4761)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Xaa' (SEQID NO: 4762)
Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa' Xaa' Xaa' (SEQID NO: 4763)

FIG. 2

(SEQ ID NO: 4764) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 4765) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 4766) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 4767) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 4768) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 4769) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 4770) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 4771) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 4772) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 4773) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 4774) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 4775) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 4776) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 4777) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 4778) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 4779) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 4780) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 4781) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 4782) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 4783) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 4784) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 4785) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 4786) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 4787) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 4788) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 4789) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 4790) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 4791) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 4792) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 4793) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 4794) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 4795) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 4796) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 4797) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 4798) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 4799) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 4800) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 4801) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 4802) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 4803) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 4804) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 4805) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 4806) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Thr Gly Cys Tyr

FIG. 3

(SEQ ID NO: 4807) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4808) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4809) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4810) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4811) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4812) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4813) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4814) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4815) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4816) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4817) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4818) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4819) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4820) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4821) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4822) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4823) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4824) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4825) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4826) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4827) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4828) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4829) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4830) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4831) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4832) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4833) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4834) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4835) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4836) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4837) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4838) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4839) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4840) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4841) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4842) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4843) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4844) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4845) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4846) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4847) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4848) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4849) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Thr Ala Cys Tyr

FIG. 3

(SEQ ID NO: 4850) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4851) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4852) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4853) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4854) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4855) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4856) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4857) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4858) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4859) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4860) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4861) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4862) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4863) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4864) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4865) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4866) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4867) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4868) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4869) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4870) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4871) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4872) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4873) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4874) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4875) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4876) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4877) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4878) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4879) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4880) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4881) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4882) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4883) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4884) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4885) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4886) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4887) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4888) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4889) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4890) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4891) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4892) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Val Gly Cys Tyr

FIG. 3

(SEQ ID NO: 4893) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4894) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4895) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4896) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4897) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4898) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4899) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4900) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4901) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4902) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4903) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4904) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4905) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4906) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4907) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4908) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4909) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4910) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4911) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4912) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4913) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4914) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4915) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4916) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4917) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4918) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4919) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4920) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4921) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4922) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4923) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4924) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4925) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4926) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4927) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4928) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4929) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4930) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4931) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4932) Cys Glu Tyr Cys His Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4933) Cys Glu Tyr Cys His Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4934) Cys Glu Tyr Cys His Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4935) Cys Glu Tyr Cys His Asn Pro Ala Cys Val Ala Cys Tyr

FIG. 3

(SEQ ID NO: 4936) Cys Glu Tyr Cys His Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4937) Cys Glu Tyr Cys His Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4938) Cys Glu Tyr Cys His Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4939) Cys Glu Tyr Cys His Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4940) Cys Glu Tyr Cys His Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4941) Cys Glu Tyr Cys His Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4942) Cys Glu Tyr Cys His Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4943) Cys Glu Tyr Cys His Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4944) Cys Glu Tyr Cys His Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4945) Cys Glu Tyr Cys His Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4946) Cys Glu Tyr Cys His Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4947) Cys Glu Tyr Cys His Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4948) Cys Glu Tyr Cys His Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4949) Cys Glu Tyr Cys His Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4950) Cys Glu Tyr Cys His Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4951) Cys Glu Tyr Cys His Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4952) Cys Glu Tyr Cys His Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4953) Cys Glu Tyr Cys His Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4954) Cys Glu Tyr Cys His Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4955) Cys Glu Tyr Cys His Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4956) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4957) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4958) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4959) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4960) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4961) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4962) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4963) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4964) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4965) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4966) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4967) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4968) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4969) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4970) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4971) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4972) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4973) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4974) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4975) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4976) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4977) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4978) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Gly Gly Cys Tyr

FIG. 3

(SEQ ID NO: 4979) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4980) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4981) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4982) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4983) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4984) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4985) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4986) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4987) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 4988) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 4989) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 4990) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 4991) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 4992) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 4993) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 4994) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 4995) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 4996) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 4997) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 4998) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 4999) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5000) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5001) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5002) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5003) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5004) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5005) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5006) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5007) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5008) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5009) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5010) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5011) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5012) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5013) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5014) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5015) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5016) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5017) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5018) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5019) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5020) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5021) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Gly Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5022) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5023) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5024) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5025) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5026) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5027) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5028) Cys Glu Tyr Cys Met Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5029) Cys Glu Tyr Cys Met Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5030) Cys Glu Tyr Cys Met Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5031) Cys Glu Tyr Cys Met Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5032) Cys Glu Tyr Cys Met Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5033) Cys Glu Tyr Cys Met Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5034) Cys Glu Tyr Cys Met Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5035) Cys Glu Tyr Cys Met Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5036) Cys Glu Tyr Cys Met Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5037) Cys Glu Tyr Cys Met Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5038) Cys Glu Tyr Cys Met Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5039) Cys Glu Tyr Cys Met Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5040) Cys Glu Tyr Cys Met Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5041) Cys Glu Tyr Cys Met Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5042) Cys Glu Tyr Cys Met Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5043) Cys Glu Tyr Cys Met Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5044) Cys Glu Tyr Cys Met Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5045) Cys Glu Tyr Cys Met Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5046) Cys Glu Tyr Cys Met Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5047) Cys Glu Tyr Cys Met Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5048) Cys Glu Tyr Cys Met Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5049) Cys Glu Tyr Cys Met Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5050) Cys Glu Tyr Cys Met Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5051) Cys Glu Tyr Cys Met Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5052) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5053) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5054) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5055) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5056) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5057) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5058) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5059) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5060) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5061) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5062) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5063) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5064) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Thr Gly Cys Tyr

FIG. 3

(SEQ ID NO: 5065) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5066) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5067) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5068) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5069) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5070) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5071) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5072) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5073) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5074) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5075) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5076) Cys Glu Tyr Cys Pro Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5077) Cys Glu Tyr Cys Pro Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5078) Cys Glu Tyr Cys Pro Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5079) Cys Glu Tyr Cys Pro Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5080) Cys Glu Tyr Cys Pro Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5081) Cys Glu Tyr Cys Pro Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5082) Cys Glu Tyr Cys Pro Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5083) Cys Glu Tyr Cys Pro Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5084) Cys Glu Tyr Cys Pro Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5085) Cys Glu Tyr Cys Pro Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5086) Cys Glu Tyr Cys Pro Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5087) Cys Glu Tyr Cys Pro Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5088) Cys Glu Tyr Cys Pro Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5089) Cys Glu Tyr Cys Pro Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5090) Cys Glu Tyr Cys Pro Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5091) Cys Glu Tyr Cys Pro Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5092) Cys Glu Tyr Cys Pro Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5093) Cys Glu Tyr Cys Pro Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5094) Cys Glu Tyr Cys Pro Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5095) Cys Glu Tyr Cys Pro Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5096) Cys Glu Tyr Cys Pro Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5097) Cys Glu Tyr Cys Pro Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5098) Cys Glu Tyr Cys Pro Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5099) Cys Glu Tyr Cys Pro Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5100) Cys Glu Tyr Cys Ser Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5101) Cys Glu Tyr Cys Ser Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5102) Cys Glu Tyr Cys Ser Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5103) Cys Glu Tyr Cys Ser Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5104) Cys Glu Tyr Cys Ser Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5105) Cys Glu Tyr Cys Ser Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5106) Cys Glu Tyr Cys Ser Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5107) Cys Glu Tyr Cys Ser Asn Pro Thr Cys Thr Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5108) Cys Glu Tyr Cys Ser Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5109) Cys Glu Tyr Cys Ser Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5110) Cys Glu Tyr Cys Ser Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5111) Cys Glu Tyr Cys Ser Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5112) Cys Glu Tyr Cys Ser Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5113) Cys Glu Tyr Cys Ser Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5114) Cys Glu Tyr Cys Ser Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5115) Cys Glu Tyr Cys Ser Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5116) Cys Glu Tyr Cys Ser Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5117) Cys Glu Tyr Cys Ser Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5118) Cys Glu Tyr Cys Ser Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5119) Cys Glu Tyr Cys Ser Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5120) Cys Glu Tyr Cys Ser Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5121) Cys Glu Tyr Cys Ser Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5122) Cys Glu Tyr Cys Ser Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5123) Cys Glu Tyr Cys Ser Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5124) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5125) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5126) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5127) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5128) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5129) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5130) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5131) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5132) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5133) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5134) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5135) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5136) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5137) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5138) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5139) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5140) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5141) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5142) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5143) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5144) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5145) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5146) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5147) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5148) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5149) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5150) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Val Gly Cys Tyr

FIG. 3

(SEQ ID NO: 5151) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5152) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5153) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5154) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5155) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5156) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5157) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5158) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5159) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5160) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5161) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5162) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5163) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5164) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5165) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5166) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5167) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5168) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5169) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5170) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5171) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5172) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5173) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5174) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5175) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5176) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5177) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5178) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5179) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5180) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5181) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5182) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5183) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5184) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5185) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5186) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5187) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5188) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5189) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5190) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5191) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5192) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5193) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Val Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5194) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5195) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5196) Cys Glu Tyr Cys Val Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5197) Cys Glu Tyr Cys Val Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5198) Cys Glu Tyr Cys Val Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5199) Cys Glu Tyr Cys Val Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5200) Cys Glu Tyr Cys Val Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5201) Cys Glu Tyr Cys Val Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5202) Cys Glu Tyr Cys Val Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5203) Cys Glu Tyr Cys Val Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5204) Cys Glu Tyr Cys Val Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5205) Cys Glu Tyr Cys Val Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5206) Cys Glu Tyr Cys Val Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5207) Cys Glu Tyr Cys Val Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5208) Cys Glu Tyr Cys Val Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5209) Cys Glu Tyr Cys Val Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5210) Cys Glu Tyr Cys Val Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5211) Cys Glu Tyr Cys Val Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5212) Cys Glu Tyr Cys Val Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5213) Cys Glu Tyr Cys Val Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5214) Cys Glu Tyr Cys Val Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5215) Cys Glu Tyr Cys Val Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5216) Cys Glu Tyr Cys Val Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5217) Cys Glu Tyr Cys Val Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5218) Cys Glu Tyr Cys Val Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5219) Cys Glu Tyr Cys Val Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5220) Cys Glu Tyr Cys --- Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5221) Cys Glu Tyr Cys --- Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5222) Cys Glu Tyr Cys --- Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5223) Cys Glu Tyr Cys --- Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5224) Cys Glu Tyr Cys --- Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5225) Cys Glu Tyr Cys --- Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5226) Cys Glu Tyr Cys --- Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5227) Cys Glu Tyr Cys --- Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5228) Cys Glu Tyr Cys --- Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5229) Cys Glu Tyr Cys --- Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5230) Cys Glu Tyr Cys --- Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5231) Cys Glu Tyr Cys --- Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5232) Cys Glu Tyr Cys --- Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5233) Cys Glu Tyr Cys --- Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5234) Cys Glu Tyr Cys --- Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5235) Cys Glu Tyr Cys --- Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5236) Cys Glu Tyr Cys --- Asn Gly Ala Cys Gly Gly Cys Tyr

FIG. 3

(SEQ ID NO: 5237) Cys Glu Tyr Cys --- Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5238) Cys Glu Tyr Cys --- Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5239) Cys Glu Tyr Cys --- Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5240) Cys Glu Tyr Cys --- Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5241) Cys Glu Tyr Cys --- Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5242) Cys Glu Tyr Cys --- Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5243) Cys Glu Tyr Cys --- Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5244) Cys Glu Trp Cys Ala Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5245) Cys Glu Trp Cys Ala Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5246) Cys Glu Trp Cys Ala Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5247) Cys Glu Trp Cys Ala Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5248) Cys Glu Trp Cys Ala Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5249) Cys Glu Trp Cys Ala Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5250) Cys Glu Trp Cys Ala Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5251) Cys Glu Trp Cys Ala Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5252) Cys Glu Trp Cys Ala Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5253) Cys Glu Trp Cys Ala Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5254) Cys Glu Trp Cys Ala Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5255) Cys Glu Trp Cys Ala Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5256) Cys Glu Trp Cys Ala Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5257) Cys Glu Trp Cys Ala Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5258) Cys Glu Trp Cys Ala Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5259) Cys Glu Trp Cys Ala Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5260) Cys Glu Trp Cys Ala Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5261) Cys Glu Trp Cys Ala Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5262) Cys Glu Trp Cys Ala Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5263) Cys Glu Trp Cys Ala Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5264) Cys Glu Trp Cys Ala Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5265) Cys Glu Trp Cys Ala Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5266) Cys Glu Trp Cys Ala Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5267) Cys Glu Trp Cys Ala Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5268) Cys Glu Trp Cys Arg Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5269) Cys Glu Trp Cys Arg Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5270) Cys Glu Trp Cys Arg Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5271) Cys Glu Trp Cys Arg Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5272) Cys Glu Trp Cys Arg Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5273) Cys Glu Trp Cys Arg Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5274) Cys Glu Trp Cys Arg Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5275) Cys Glu Trp Cys Arg Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5276) Cys Glu Trp Cys Arg Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5277) Cys Glu Trp Cys Arg Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5278) Cys Glu Trp Cys Arg Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5279) Cys Glu Trp Cys Arg Asn Pro Thr Cys Gly Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5280) Cys Glu Trp Cys Arg Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5281) Cys Glu Trp Cys Arg Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5282) Cys Glu Trp Cys Arg Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5283) Cys Glu Trp Cys Arg Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5284) Cys Glu Trp Cys Arg Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5285) Cys Glu Trp Cys Arg Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5286) Cys Glu Trp Cys Arg Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5287) Cys Glu Trp Cys Arg Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5288) Cys Glu Trp Cys Arg Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5289) Cys Glu Trp Cys Arg Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5290) Cys Glu Trp Cys Arg Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5291) Cys Glu Trp Cys Arg Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5292) Cys Glu Trp Cys Asn Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5293) Cys Glu Trp Cys Asn Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5294) Cys Glu Trp Cys Asn Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5295) Cys Glu Trp Cys Asn Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5296) Cys Glu Trp Cys Asn Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5297) Cys Glu Trp Cys Asn Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5298) Cys Glu Trp Cys Asn Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5299) Cys Glu Trp Cys Asn Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5300) Cys Glu Trp Cys Asn Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5301) Cys Glu Trp Cys Asn Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5302) Cys Glu Trp Cys Asn Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5303) Cys Glu Trp Cys Asn Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5304) Cys Glu Trp Cys Asn Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5305) Cys Glu Trp Cys Asn Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5306) Cys Glu Trp Cys Asn Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5307) Cys Glu Trp Cys Asn Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5308) Cys Glu Trp Cys Asn Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5309) Cys Glu Trp Cys Asn Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5310) Cys Glu Trp Cys Asn Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5311) Cys Glu Trp Cys Asn Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5312) Cys Glu Trp Cys Asn Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5313) Cys Glu Trp Cys Asn Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5314) Cys Glu Trp Cys Asn Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5315) Cys Glu Trp Cys Asn Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5316) Cys Glu Trp Cys Asp Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5317) Cys Glu Trp Cys Asp Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5318) Cys Glu Trp Cys Asp Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5319) Cys Glu Trp Cys Asp Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5320) Cys Glu Trp Cys Asp Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5321) Cys Glu Trp Cys Asp Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5322) Cys Glu Trp Cys Asp Asn Pro Thr Cys Thr Gly Cys Tyr

FIG. 3

(SEQ ID NO: 5323) Cys Glu Trp Cys Asp Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5324) Cys Glu Trp Cys Asp Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5325) Cys Glu Trp Cys Asp Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5326) Cys Glu Trp Cys Asp Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5327) Cys Glu Trp Cys Asp Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5328) Cys Glu Trp Cys Asp Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5329) Cys Glu Trp Cys Asp Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5330) Cys Glu Trp Cys Asp Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5331) Cys Glu Trp Cys Asp Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5332) Cys Glu Trp Cys Asp Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5333) Cys Glu Trp Cys Asp Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5334) Cys Glu Trp Cys Asp Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5335) Cys Glu Trp Cys Asp Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5336) Cys Glu Trp Cys Asp Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5337) Cys Glu Trp Cys Asp Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5338) Cys Glu Trp Cys Asp Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5339) Cys Glu Trp Cys Asp Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5340) Cys Glu Trp Cys Gln Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5341) Cys Glu Trp Cys Gln Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5342) Cys Glu Trp Cys Gln Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5343) Cys Glu Trp Cys Gln Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5344) Cys Glu Trp Cys Gln Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5345) Cys Glu Trp Cys Gln Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5346) Cys Glu Trp Cys Gln Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5347) Cys Glu Trp Cys Gln Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5348) Cys Glu Trp Cys Gln Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5349) Cys Glu Trp Cys Gln Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5350) Cys Glu Trp Cys Gln Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5351) Cys Glu Trp Cys Gln Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5352) Cys Glu Trp Cys Gln Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5353) Cys Glu Trp Cys Gln Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5354) Cys Glu Trp Cys Gln Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5355) Cys Glu Trp Cys Gln Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5356) Cys Glu Trp Cys Gln Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5357) Cys Glu Trp Cys Gln Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5358) Cys Glu Trp Cys Gln Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5359) Cys Glu Trp Cys Gln Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5360) Cys Glu Trp Cys Gln Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5361) Cys Glu Trp Cys Gln Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5362) Cys Glu Trp Cys Gln Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5363) Cys Glu Trp Cys Gln Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5364) Cys Glu Trp Cys Glu Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5365) Cys Glu Trp Cys Glu Asn Pro Ala Cys Thr Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5366) Cys Glu Trp Cys Glu Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5367) Cys Glu Trp Cys Glu Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5368) Cys Glu Trp Cys Glu Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5369) Cys Glu Trp Cys Glu Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5370) Cys Glu Trp Cys Glu Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5371) Cys Glu Trp Cys Glu Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5372) Cys Glu Trp Cys Glu Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5373) Cys Glu Trp Cys Glu Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5374) Cys Glu Trp Cys Glu Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5375) Cys Glu Trp Cys Glu Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5376) Cys Glu Trp Cys Glu Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5377) Cys Glu Trp Cys Glu Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5378) Cys Glu Trp Cys Glu Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5379) Cys Glu Trp Cys Glu Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5380) Cys Glu Trp Cys Glu Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5381) Cys Glu Trp Cys Glu Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5382) Cys Glu Trp Cys Glu Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5383) Cys Glu Trp Cys Glu Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5384) Cys Glu Trp Cys Glu Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5385) Cys Glu Trp Cys Glu Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5386) Cys Glu Trp Cys Glu Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5387) Cys Glu Trp Cys Glu Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5388) Cys Glu Trp Cys Gly Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5389) Cys Glu Trp Cys Gly Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5390) Cys Glu Trp Cys Gly Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5391) Cys Glu Trp Cys Gly Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5392) Cys Glu Trp Cys Gly Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5393) Cys Glu Trp Cys Gly Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5394) Cys Glu Trp Cys Gly Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5395) Cys Glu Trp Cys Gly Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5396) Cys Glu Trp Cys Gly Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5397) Cys Glu Trp Cys Gly Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5398) Cys Glu Trp Cys Gly Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5399) Cys Glu Trp Cys Gly Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5400) Cys Glu Trp Cys Gly Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5401) Cys Glu Trp Cys Gly Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5402) Cys Glu Trp Cys Gly Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5403) Cys Glu Trp Cys Gly Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5404) Cys Glu Trp Cys Gly Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5405) Cys Glu Trp Cys Gly Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5406) Cys Glu Trp Cys Gly Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5407) Cys Glu Trp Cys Gly Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5408) Cys Glu Trp Cys Gly Asn Gly Thr Cys Val Gly Cys Tyr

FIG. 3

(SEQ ID NO: 5409) Cys Glu Trp Cys Gly Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5410) Cys Glu Trp Cys Gly Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5411) Cys Glu Trp Cys Gly Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5412) Cys Glu Trp Cys His Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5413) Cys Glu Trp Cys His Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5414) Cys Glu Trp Cys His Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5415) Cys Glu Trp Cys His Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5416) Cys Glu Trp Cys His Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5417) Cys Glu Trp Cys His Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5418) Cys Glu Trp Cys His Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5419) Cys Glu Trp Cys His Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5420) Cys Glu Trp Cys His Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5421) Cys Glu Trp Cys His Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5422) Cys Glu Trp Cys His Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5423) Cys Glu Trp Cys His Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5424) Cys Glu Trp Cys His Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5425) Cys Glu Trp Cys His Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5426) Cys Glu Trp Cys His Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5427) Cys Glu Trp Cys His Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5428) Cys Glu Trp Cys His Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5429) Cys Glu Trp Cys His Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5430) Cys Glu Trp Cys His Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5431) Cys Glu Trp Cys His Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5432) Cys Glu Trp Cys His Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5433) Cys Glu Trp Cys His Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5434) Cys Glu Trp Cys His Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5435) Cys Glu Trp Cys His Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5436) Cys Glu Trp Cys Ile Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5437) Cys Glu Trp Cys Ile Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5438) Cys Glu Trp Cys Ile Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5439) Cys Glu Trp Cys Ile Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5440) Cys Glu Trp Cys Ile Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5441) Cys Glu Trp Cys Ile Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5442) Cys Glu Trp Cys Ile Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5443) Cys Glu Trp Cys Ile Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5444) Cys Glu Trp Cys Ile Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5445) Cys Glu Trp Cys Ile Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5446) Cys Glu Trp Cys Ile Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5447) Cys Glu Trp Cys Ile Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5448) Cys Glu Trp Cys Ile Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5449) Cys Glu Trp Cys Ile Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5450) Cys Glu Trp Cys Ile Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5451) Cys Glu Trp Cys Ile Asn Gly Ala Cys Val Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5452) Cys Glu Trp Cys Ile Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5453) Cys Glu Trp Cys Ile Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5454) Cys Glu Trp Cys Ile Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5455) Cys Glu Trp Cys Ile Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5456) Cys Glu Trp Cys Ile Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5457) Cys Glu Trp Cys Ile Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5458) Cys Glu Trp Cys Ile Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5459) Cys Glu Trp Cys Ile Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5460) Cys Glu Trp Cys Leu Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5461) Cys Glu Trp Cys Leu Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5462) Cys Glu Trp Cys Leu Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5463) Cys Glu Trp Cys Leu Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5464) Cys Glu Trp Cys Leu Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5465) Cys Glu Trp Cys Leu Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5466) Cys Glu Trp Cys Leu Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5467) Cys Glu Trp Cys Leu Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5468) Cys Glu Trp Cys Leu Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5469) Cys Glu Trp Cys Leu Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5470) Cys Glu Trp Cys Leu Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5471) Cys Glu Trp Cys Leu Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5472) Cys Glu Trp Cys Leu Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5473) Cys Glu Trp Cys Leu Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5474) Cys Glu Trp Cys Leu Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5475) Cys Glu Trp Cys Leu Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5476) Cys Glu Trp Cys Leu Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5477) Cys Glu Trp Cys Leu Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5478) Cys Glu Trp Cys Leu Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5479) Cys Glu Trp Cys Leu Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5480) Cys Glu Trp Cys Leu Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5481) Cys Glu Trp Cys Leu Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5482) Cys Glu Trp Cys Leu Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5483) Cys Glu Trp Cys Leu Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5484) Cys Glu Trp Cys Lys Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5485) Cys Glu Trp Cys Lys Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5486) Cys Glu Trp Cys Lys Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5487) Cys Glu Trp Cys Lys Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5488) Cys Glu Trp Cys Lys Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5489) Cys Glu Trp Cys Lys Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5490) Cys Glu Trp Cys Lys Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5491) Cys Glu Trp Cys Lys Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5492) Cys Glu Trp Cys Lys Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5493) Cys Glu Trp Cys Lys Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5494) Cys Glu Trp Cys Lys Asn Pro Thr Cys Gly Gly Cys Tyr

FIG. 3

(SEQ ID NO: 5495) Cys Glu Trp Cys Lys Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5496) Cys Glu Trp Cys Lys Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5497) Cys Glu Trp Cys Lys Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5498) Cys Glu Trp Cys Lys Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5499) Cys Glu Trp Cys Lys Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5500) Cys Glu Trp Cys Lys Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5501) Cys Glu Trp Cys Lys Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5502) Cys Glu Trp Cys Lys Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5503) Cys Glu Trp Cys Lys Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5504) Cys Glu Trp Cys Lys Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5505) Cys Glu Trp Cys Lys Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5506) Cys Glu Trp Cys Lys Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5507) Cys Glu Trp Cys Lys Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5508) Cys Glu Trp Cys Met Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5509) Cys Glu Trp Cys Met Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5510) Cys Glu Trp Cys Met Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5511) Cys Glu Trp Cys Met Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5512) Cys Glu Trp Cys Met Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5513) Cys Glu Trp Cys Met Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5514) Cys Glu Trp Cys Met Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5515) Cys Glu Trp Cys Met Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5516) Cys Glu Trp Cys Met Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5517) Cys Glu Trp Cys Met Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5518) Cys Glu Trp Cys Met Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5519) Cys Glu Trp Cys Met Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5520) Cys Glu Trp Cys Met Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5521) Cys Glu Trp Cys Met Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5522) Cys Glu Trp Cys Met Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5523) Cys Glu Trp Cys Met Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5524) Cys Glu Trp Cys Met Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5525) Cys Glu Trp Cys Met Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5526) Cys Glu Trp Cys Met Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5527) Cys Glu Trp Cys Met Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5528) Cys Glu Trp Cys Met Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5529) Cys Glu Trp Cys Met Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5530) Cys Glu Trp Cys Met Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5531) Cys Glu Trp Cys Met Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5532) Cys Glu Trp Cys Phe Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5533) Cys Glu Trp Cys Phe Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5534) Cys Glu Trp Cys Phe Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5535) Cys Glu Trp Cys Phe Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5536) Cys Glu Trp Cys Phe Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5537) Cys Glu Trp Cys Phe Asn Pro Ala Cys Gly Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5538) Cys Glu Trp Cys Phe Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5539) Cys Glu Trp Cys Phe Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5540) Cys Glu Trp Cys Phe Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5541) Cys Glu Trp Cys Phe Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5542) Cys Glu Trp Cys Phe Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5543) Cys Glu Trp Cys Phe Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5544) Cys Glu Trp Cys Phe Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5545) Cys Glu Trp Cys Phe Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5546) Cys Glu Trp Cys Phe Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5547) Cys Glu Trp Cys Phe Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5548) Cys Glu Trp Cys Phe Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5549) Cys Glu Trp Cys Phe Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5550) Cys Glu Trp Cys Phe Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5551) Cys Glu Trp Cys Phe Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5552) Cys Glu Trp Cys Phe Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5553) Cys Glu Trp Cys Phe Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5554) Cys Glu Trp Cys Phe Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5555) Cys Glu Trp Cys Phe Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5556) Cys Glu Trp Cys Pro Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5557) Cys Glu Trp Cys Pro Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5558) Cys Glu Trp Cys Pro Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5559) Cys Glu Trp Cys Pro Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5560) Cys Glu Trp Cys Pro Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5561) Cys Glu Trp Cys Pro Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5562) Cys Glu Trp Cys Pro Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5563) Cys Glu Trp Cys Pro Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5564) Cys Glu Trp Cys Pro Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5565) Cys Glu Trp Cys Pro Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5566) Cys Glu Trp Cys Pro Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5567) Cys Glu Trp Cys Pro Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5568) Cys Glu Trp Cys Pro Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5569) Cys Glu Trp Cys Pro Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5570) Cys Glu Trp Cys Pro Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5571) Cys Glu Trp Cys Pro Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5572) Cys Glu Trp Cys Pro Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5573) Cys Glu Trp Cys Pro Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5574) Cys Glu Trp Cys Pro Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5575) Cys Glu Trp Cys Pro Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5576) Cys Glu Trp Cys Pro Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5577) Cys Glu Trp Cys Pro Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5578) Cys Glu Trp Cys Pro Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5579) Cys Glu Trp Cys Pro Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5580) Cys Glu Trp Cys Ser Asn Pro Ala Cys Thr Gly Cys Tyr

FIG. 3

(SEQ ID NO: 5581) Cys Glu Trp Cys Ser Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5582) Cys Glu Trp Cys Ser Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5583) Cys Glu Trp Cys Ser Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5584) Cys Glu Trp Cys Ser Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5585) Cys Glu Trp Cys Ser Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5586) Cys Glu Trp Cys Ser Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5587) Cys Glu Trp Cys Ser Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5588) Cys Glu Trp Cys Ser Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5589) Cys Glu Trp Cys Ser Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5590) Cys Glu Trp Cys Ser Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5591) Cys Glu Trp Cys Ser Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5592) Cys Glu Trp Cys Ser Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5593) Cys Glu Trp Cys Ser Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5594) Cys Glu Trp Cys Ser Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5595) Cys Glu Trp Cys Ser Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5596) Cys Glu Trp Cys Ser Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5597) Cys Glu Trp Cys Ser Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5598) Cys Glu Trp Cys Ser Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5599) Cys Glu Trp Cys Ser Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5600) Cys Glu Trp Cys Ser Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5601) Cys Glu Trp Cys Ser Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5602) Cys Glu Trp Cys Ser Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5603) Cys Glu Trp Cys Ser Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5604) Cys Glu Trp Cys Thr Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5605) Cys Glu Trp Cys Thr Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5606) Cys Glu Trp Cys Thr Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5607) Cys Glu Trp Cys Thr Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5608) Cys Glu Trp Cys Thr Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5609) Cys Glu Trp Cys Thr Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5610) Cys Glu Trp Cys Thr Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5611) Cys Glu Trp Cys Thr Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5612) Cys Glu Trp Cys Thr Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5613) Cys Glu Trp Cys Thr Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5614) Cys Glu Trp Cys Thr Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5615) Cys Glu Trp Cys Thr Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5616) Cys Glu Trp Cys Thr Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5617) Cys Glu Trp Cys Thr Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5618) Cys Glu Trp Cys Thr Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5619) Cys Glu Trp Cys Thr Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5620) Cys Glu Trp Cys Thr Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5621) Cys Glu Trp Cys Thr Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5622) Cys Glu Trp Cys Thr Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5623) Cys Glu Trp Cys Thr Asn Gly Thr Cys Thr Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5624) Cys Glu Trp Cys Thr Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5625) Cys Glu Trp Cys Thr Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5626) Cys Glu Trp Cys Thr Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5627) Cys Glu Trp Cys Thr Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5628) Cys Glu Trp Cys Trp Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5629) Cys Glu Trp Cys Trp Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5630) Cys Glu Trp Cys Trp Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5631) Cys Glu Trp Cys Trp Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5632) Cys Glu Trp Cys Trp Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5633) Cys Glu Trp Cys Trp Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5634) Cys Glu Trp Cys Trp Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5635) Cys Glu Trp Cys Trp Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5636) Cys Glu Trp Cys Trp Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5637) Cys Glu Trp Cys Trp Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5638) Cys Glu Trp Cys Trp Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5639) Cys Glu Trp Cys Trp Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5640) Cys Glu Trp Cys Trp Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5641) Cys Glu Trp Cys Trp Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5642) Cys Glu Trp Cys Trp Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5643) Cys Glu Trp Cys Trp Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5644) Cys Glu Trp Cys Trp Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5645) Cys Glu Trp Cys Trp Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5646) Cys Glu Trp Cys Trp Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5647) Cys Glu Trp Cys Trp Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5648) Cys Glu Trp Cys Trp Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5649) Cys Glu Trp Cys Trp Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5650) Cys Glu Trp Cys Trp Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5651) Cys Glu Trp Cys Trp Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5652) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5653) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5654) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5655) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5656) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5657) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5658) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5659) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5660) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5661) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5662) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5663) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5664) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5665) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5666) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Val Gly Cys Tyr

FIG. 3

(SEQ ID NO: 5667) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5668) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5669) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5670) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5671) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5672) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5673) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5674) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5675) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5676) Cys Glu Trp Cys Val Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5677) Cys Glu Trp Cys Val Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5678) Cys Glu Trp Cys Val Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5679) Cys Glu Trp Cys Val Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5680) Cys Glu Trp Cys Val Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5681) Cys Glu Trp Cys Val Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5682) Cys Glu Trp Cys Val Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5683) Cys Glu Trp Cys Val Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5684) Cys Glu Trp Cys Val Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5685) Cys Glu Trp Cys Val Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5686) Cys Glu Trp Cys Val Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5687) Cys Glu Trp Cys Val Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5688) Cys Glu Trp Cys Val Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5689) Cys Glu Trp Cys Val Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5690) Cys Glu Trp Cys Val Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5691) Cys Glu Trp Cys Val Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5692) Cys Glu Trp Cys Val Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5693) Cys Glu Trp Cys Val Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5694) Cys Glu Trp Cys Val Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5695) Cys Glu Trp Cys Val Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5696) Cys Glu Trp Cys Val Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5697) Cys Glu Trp Cys Val Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5698) Cys Glu Trp Cys Val Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5699) Cys Glu Trp Cys Val Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5700) Cys Glu Trp Cys --- Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5701) Cys Glu Trp Cys --- Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5702) Cys Glu Trp Cys --- Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5703) Cys Glu Trp Cys --- Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5704) Cys Glu Trp Cys --- Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5705) Cys Glu Trp Cys --- Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5706) Cys Glu Trp Cys --- Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5707) Cys Glu Trp Cys --- Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5708) Cys Glu Trp Cys --- Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5709) Cys Glu Trp Cys --- Asn Pro Thr Cys Val Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5710) Cys Glu Trp Cys --- Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5711) Cys Glu Trp Cys --- Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5712) Cys Glu Trp Cys --- Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5713) Cys Glu Trp Cys --- Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5714) Cys Glu Trp Cys --- Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5715) Cys Glu Trp Cys --- Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5716) Cys Glu Trp Cys --- Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5717) Cys Glu Trp Cys --- Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5718) Cys Glu Trp Cys --- Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5719) Cys Glu Trp Cys --- Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5720) Cys Glu Trp Cys --- Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5721) Cys Glu Trp Cys --- Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5722) Cys Glu Trp Cys --- Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5723) Cys Glu Trp Cys --- Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5724) Cys Glu Phe Cys Ala Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5725) Cys Glu Phe Cys Ala Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5726) Cys Glu Phe Cys Ala Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5727) Cys Glu Phe Cys Ala Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5728) Cys Glu Phe Cys Ala Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5729) Cys Glu Phe Cys Ala Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5730) Cys Glu Phe Cys Ala Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5731) Cys Glu Phe Cys Ala Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5732) Cys Glu Phe Cys Ala Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5733) Cys Glu Phe Cys Ala Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5734) Cys Glu Phe Cys Ala Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5735) Cys Glu Phe Cys Ala Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5736) Cys Glu Phe Cys Ala Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5737) Cys Glu Phe Cys Ala Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5738) Cys Glu Phe Cys Ala Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5739) Cys Glu Phe Cys Ala Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5740) Cys Glu Phe Cys Ala Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5741) Cys Glu Phe Cys Ala Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5742) Cys Glu Phe Cys Ala Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5743) Cys Glu Phe Cys Ala Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5744) Cys Glu Phe Cys Ala Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5745) Cys Glu Phe Cys Ala Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5746) Cys Glu Phe Cys Ala Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5747) Cys Glu Phe Cys Ala Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5748) Cys Glu Phe Cys Arg Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5749) Cys Glu Phe Cys Arg Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5750) Cys Glu Phe Cys Arg Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5751) Cys Glu Phe Cys Arg Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5752) Cys Glu Phe Cys Arg Asn Pro Ala Cys Gly Gly Cys Tyr

FIG. 3

(SEQ ID NO: 5753) Cys Glu Phe Cys Arg Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5754) Cys Glu Phe Cys Arg Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5755) Cys Glu Phe Cys Arg Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5756) Cys Glu Phe Cys Arg Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5757) Cys Glu Phe Cys Arg Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5758) Cys Glu Phe Cys Arg Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5759) Cys Glu Phe Cys Arg Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5760) Cys Glu Phe Cys Arg Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5761) Cys Glu Phe Cys Arg Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5762) Cys Glu Phe Cys Arg Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5763) Cys Glu Phe Cys Arg Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5764) Cys Glu Phe Cys Arg Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5765) Cys Glu Phe Cys Arg Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5766) Cys Glu Phe Cys Arg Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5767) Cys Glu Phe Cys Arg Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5768) Cys Glu Phe Cys Arg Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5769) Cys Glu Phe Cys Arg Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5770) Cys Glu Phe Cys Arg Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5771) Cys Glu Phe Cys Arg Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5772) Cys Glu Phe Cys Asn Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5773) Cys Glu Phe Cys Asn Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5774) Cys Glu Phe Cys Asn Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5775) Cys Glu Phe Cys Asn Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5776) Cys Glu Phe Cys Asn Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5777) Cys Glu Phe Cys Asn Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5778) Cys Glu Phe Cys Asn Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5779) Cys Glu Phe Cys Asn Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5780) Cys Glu Phe Cys Asn Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5781) Cys Glu Phe Cys Asn Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5782) Cys Glu Phe Cys Asn Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5783) Cys Glu Phe Cys Asn Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5784) Cys Glu Phe Cys Asn Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5785) Cys Glu Phe Cys Asn Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5786) Cys Glu Phe Cys Asn Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5787) Cys Glu Phe Cys Asn Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5788) Cys Glu Phe Cys Asn Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5789) Cys Glu Phe Cys Asn Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5790) Cys Glu Phe Cys Asn Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5791) Cys Glu Phe Cys Asn Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5792) Cys Glu Phe Cys Asn Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5793) Cys Glu Phe Cys Asn Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5794) Cys Glu Phe Cys Asn Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5795) Cys Glu Phe Cys Asn Asn Gly Thr Cys Gly Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5796) Cys Glu Phe Cys Asp Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5797) Cys Glu Phe Cys Asp Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5798) Cys Glu Phe Cys Asp Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5799) Cys Glu Phe Cys Asp Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5800) Cys Glu Phe Cys Asp Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5801) Cys Glu Phe Cys Asp Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5802) Cys Glu Phe Cys Asp Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5803) Cys Glu Phe Cys Asp Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5804) Cys Glu Phe Cys Asp Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5805) Cys Glu Phe Cys Asp Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5806) Cys Glu Phe Cys Asp Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5807) Cys Glu Phe Cys Asp Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5808) Cys Glu Phe Cys Asp Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5809) Cys Glu Phe Cys Asp Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5810) Cys Glu Phe Cys Asp Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5811) Cys Glu Phe Cys Asp Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5812) Cys Glu Phe Cys Asp Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5813) Cys Glu Phe Cys Asp Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5814) Cys Glu Phe Cys Asp Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5815) Cys Glu Phe Cys Asp Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5816) Cys Glu Phe Cys Asp Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5817) Cys Glu Phe Cys Asp Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5818) Cys Glu Phe Cys Asp Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5819) Cys Glu Phe Cys Asp Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5820) Cys Glu Phe Cys Gln Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5821) Cys Glu Phe Cys Gln Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5822) Cys Glu Phe Cys Gln Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5823) Cys Glu Phe Cys Gln Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5824) Cys Glu Phe Cys Gln Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5825) Cys Glu Phe Cys Gln Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5826) Cys Glu Phe Cys Gln Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5827) Cys Glu Phe Cys Gln Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5828) Cys Glu Phe Cys Gln Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5829) Cys Glu Phe Cys Gln Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5830) Cys Glu Phe Cys Gln Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5831) Cys Glu Phe Cys Gln Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5832) Cys Glu Phe Cys Gln Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5833) Cys Glu Phe Cys Gln Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5834) Cys Glu Phe Cys Gln Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5835) Cys Glu Phe Cys Gln Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5836) Cys Glu Phe Cys Gln Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5837) Cys Glu Phe Cys Gln Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5838) Cys Glu Phe Cys Gln Asn Gly Thr Cys Thr Gly Cys Tyr

FIG. 3

(SEQ ID NO: 5839) Cys Glu Phe Cys Gln Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5840) Cys Glu Phe Cys Gln Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5841) Cys Glu Phe Cys Gln Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5842) Cys Glu Phe Cys Gln Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5843) Cys Glu Phe Cys Gln Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5844) Cys Glu Phe Cys Glu Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5845) Cys Glu Phe Cys Glu Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5846) Cys Glu Phe Cys Glu Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5847) Cys Glu Phe Cys Glu Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5848) Cys Glu Phe Cys Glu Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5849) Cys Glu Phe Cys Glu Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5850) Cys Glu Phe Cys Glu Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5851) Cys Glu Phe Cys Glu Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5852) Cys Glu Phe Cys Glu Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5853) Cys Glu Phe Cys Glu Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5854) Cys Glu Phe Cys Glu Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5855) Cys Glu Phe Cys Glu Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5856) Cys Glu Phe Cys Glu Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5857) Cys Glu Phe Cys Glu Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5858) Cys Glu Phe Cys Glu Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5859) Cys Glu Phe Cys Glu Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5860) Cys Glu Phe Cys Glu Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5861) Cys Glu Phe Cys Glu Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5862) Cys Glu Phe Cys Glu Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5863) Cys Glu Phe Cys Glu Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5864) Cys Glu Phe Cys Glu Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5865) Cys Glu Phe Cys Glu Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5866) Cys Glu Phe Cys Glu Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5867) Cys Glu Phe Cys Glu Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5868) Cys Glu Phe Cys Gly Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5869) Cys Glu Phe Cys Gly Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5870) Cys Glu Phe Cys Gly Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 5871) Cys Glu Phe Cys Gly Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 5872) Cys Glu Phe Cys Gly Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5873) Cys Glu Phe Cys Gly Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5874) Cys Glu Phe Cys Gly Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5875) Cys Glu Phe Cys Gly Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 5876) Cys Glu Phe Cys Gly Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 5877) Cys Glu Phe Cys Gly Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 5878) Cys Glu Phe Cys Gly Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 5879) Cys Glu Phe Cys Gly Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 5880) Cys Glu Phe Cys Gly Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 5881) Cys Glu Phe Cys Gly Asn Gly Ala Cys Thr Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5882) Cys Glu Phe Cys Gly Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5883) Cys Glu Phe Cys Gly Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5884) Cys Glu Phe Cys Gly Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5885) Cys Glu Phe Cys Gly Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5886) Cys Glu Phe Cys Gly Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5887) Cys Glu Phe Cys Gly Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5888) Cys Glu Phe Cys Gly Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5889) Cys Glu Phe Cys Gly Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5890) Cys Glu Phe Cys Gly Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5891) Cys Glu Phe Cys Gly Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5892) Cys Glu Phe Cys His Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5893) Cys Glu Phe Cys His Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5894) Cys Glu Phe Cys His Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5895) Cys Glu Phe Cys His Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5896) Cys Glu Phe Cys His Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5897) Cys Glu Phe Cys His Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5898) Cys Glu Phe Cys His Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5899) Cys Glu Phe Cys His Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5900) Cys Glu Phe Cys His Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5901) Cys Glu Phe Cys His Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5902) Cys Glu Phe Cys His Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5903) Cys Glu Phe Cys His Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5904) Cys Glu Phe Cys His Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5905) Cys Glu Phe Cys His Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5906) Cys Glu Phe Cys His Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5907) Cys Glu Phe Cys His Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5908) Cys Glu Phe Cys His Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5909) Cys Glu Phe Cys His Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5910) Cys Glu Phe Cys His Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5911) Cys Glu Phe Cys His Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5912) Cys Glu Phe Cys His Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5913) Cys Glu Phe Cys His Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5914) Cys Glu Phe Cys His Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5915) Cys Glu Phe Cys His Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5916) Cys Glu Phe Cys Ile Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5917) Cys Glu Phe Cys Ile Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5918) Cys Glu Phe Cys Ile Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5919) Cys Glu Phe Cys Ile Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5920) Cys Glu Phe Cys Ile Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5921) Cys Glu Phe Cys Ile Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5922) Cys Glu Phe Cys Ile Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5923) Cys Glu Phe Cys Ile Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5924) Cys Glu Phe Cys Ile Asn Pro Thr Cys Val Gly Cys Tyr

FIG. 3

(SEQ ID NO: 5925) Cys Glu Phe Cys Ile Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5926) Cys Glu Phe Cys Ile Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5927) Cys Glu Phe Cys Ile Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5928) Cys Glu Phe Cys Ile Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5929) Cys Glu Phe Cys Ile Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5930) Cys Glu Phe Cys Ile Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5931) Cys Glu Phe Cys Ile Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5932) Cys Glu Phe Cys Ile Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5933) Cys Glu Phe Cys Ile Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5934) Cys Glu Phe Cys Ile Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5935) Cys Glu Phe Cys Ile Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5936) Cys Glu Phe Cys Ile Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5937) Cys Glu Phe Cys Ile Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5938) Cys Glu Phe Cys Ile Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5939) Cys Glu Phe Cys Ile Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5940) Cys Glu Phe Cys Leu Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5941) Cys Glu Phe Cys Leu Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5942) Cys Glu Phe Cys Leu Asn Pro Ala Cys Val Gly Cys Tyr.
(SEQ ID NO: 5943) Cys Glu Phe Cys Leu Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5944) Cys Glu Phe Cys Leu Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5945) Cys Glu Phe Cys Leu Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5946) Cys Glu Phe Cys Leu Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5947) Cys Glu Phe Cys Leu Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5948) Cys Glu Phe Cys Leu Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5949) Cys Glu Phe Cys Leu Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5950) Cys Glu Phe Cys Leu Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5951) Cys Glu Phe Cys Leu Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5952) Cys Glu Phe Cys Leu Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5953) Cys Glu Phe Cys Leu Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5954) Cys Glu Phe Cys Leu Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5955) Cys Glu Phe Cys Leu Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5956) Cys Glu Phe Cys Leu Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5957) Cys Glu Phe Cys Leu Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5958) Cys Glu Phe Cys Leu Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5959) Cys Glu Phe Cys Leu Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5960) Cys Glu Phe Cys Leu Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5961) Cys Glu Phe Cys Leu Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5962) Cys Glu Phe Cys Leu Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5963) Cys Glu Phe Cys Leu Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5964) Cys Glu Phe Cys Lys Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5965) Cys Glu Phe Cys Lys Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5966) Cys Glu Phe Cys Lys Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5967) Cys Glu Phe Cys Lys Asn Pro Ala Cys Val Ala Cys Tyr

FIG. 3

(SEQ ID NO: 5968) Cys Glu Phe Cys Lys Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5969) Cys Glu Phe Cys Lys Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5970) Cys Glu Phe Cys Lys Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5971) Cys Glu Phe Cys Lys Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5972) Cys Glu Phe Cys Lys Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5973) Cys Glu Phe Cys Lys Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5974) Cys Glu Phe Cys Lys Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5975) Cys Glu Phe Cys Lys Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5976) Cys Glu Phe Cys Lys Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5977) Cys Glu Phe Cys Lys Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5978) Cys Glu Phe Cys Lys Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5979) Cys Glu Phe Cys Lys Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5980) Cys Glu Phe Cys Lys Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5981) Cys Glu Phe Cys Lys Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5982) Cys Glu Phe Cys Lys Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5983) Cys Glu Phe Cys Lys Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5984) Cys Glu Phe Cys Lys Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5985) Cys Glu Phe Cys Lys Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5986) Cys Glu Phe Cys Lys Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5987) Cys Glu Phe Cys Lys Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 5988) Cys Glu Phe Cys Met Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 5989) Cys Glu Phe Cys Met Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 5990) Cys Glu Phe Cys Met Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 5991) Cys Glu Phe Cys Met Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 5992) Cys Glu Phe Cys Met Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 5993) Cys Glu Phe Cys Met Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 5994) Cys Glu Phe Cys Met Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 5995) Cys Glu Phe Cys Met Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 5996) Cys Glu Phe Cys Met Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 5997) Cys Glu Phe Cys Met Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 5998) Cys Glu Phe Cys Met Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 5999) Cys Glu Phe Cys Met Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6000) Cys Glu Phe Cys Met Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6001) Cys Glu Phe Cys Met Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6002) Cys Glu Phe Cys Met Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6003) Cys Glu Phe Cys Met Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6004) Cys Glu Phe Cys Met Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6005) Cys Glu Phe Cys Met Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6006) Cys Glu Phe Cys Met Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6007) Cys Glu Phe Cys Met Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6008) Cys Glu Phe Cys Met Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6009) Cys Glu Phe Cys Met Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6010) Cys Glu Phe Cys Met Asn Gly Thr Cys Gly Gly Cys Tyr

FIG. 3

(SEQ ID NO: 6011) Cys Glu Phe Cys Met Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6012) Cys Glu Phe Cys Phe Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6013) Cys Glu Phe Cys Phe Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6014) Cys Glu Phe Cys Phe Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6015) Cys Glu Phe Cys Phe Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6016) Cys Glu Phe Cys Phe Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6017) Cys Glu Phe Cys Phe Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6018) Cys Glu Phe Cys Phe Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6019) Cys Glu Phe Cys Phe Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6020) Cys Glu Phe Cys Phe Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6021) Cys Glu Phe Cys Phe Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6022) Cys Glu Phe Cys Phe Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6023) Cys Glu Phe Cys Phe Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6024) Cys Glu Phe Cys Phe Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6025) Cys Glu Phe Cys Phe Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6026) Cys Glu Phe Cys Phe Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6027) Cys Glu Phe Cys Phe Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6028) Cys Glu Phe Cys Phe Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6029) Cys Glu Phe Cys Phe Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6030) Cys Glu Phe Cys Phe Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6031) Cys Glu Phe Cys Phe Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6032) Cys Glu Phe Cys Phe Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6033) Cys Glu Phe Cys Phe Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6034) Cys Glu Phe Cys Phe Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6035) Cys Glu Phe Cys Phe Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6036) Cys Glu Phe Cys Pro Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6037) Cys Glu Phe Cys Pro Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6038) Cys Glu Phe Cys Pro Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6039) Cys Glu Phe Cys Pro Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6040) Cys Glu Phe Cys Pro Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6041) Cys Glu Phe Cys Pro Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6042) Cys Glu Phe Cys Pro Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6043) Cys Glu Phe Cys Pro Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6044) Cys Glu Phe Cys Pro Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6045) Cys Glu Phe Cys Pro Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6046) Cys Glu Phe Cys Pro Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6047) Cys Glu Phe Cys Pro Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6048) Cys Glu Phe Cys Pro Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6049) Cys Glu Phe Cys Pro Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6050) Cys Glu Phe Cys Pro Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6051) Cys Glu Phe Cys Pro Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6052) Cys Glu Phe Cys Pro Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6053) Cys Glu Phe Cys Pro Asn Gly Ala Cys Gly Ala Cys Tyr

FIG. 3

(SEQ ID NO: 6054) Cys Glu Phe Cys Pro Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6055) Cys Glu Phe Cys Pro Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6056) Cys Glu Phe Cys Pro Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6057) Cys Glu Phe Cys Pro Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6058) Cys Glu Phe Cys Pro Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6059) Cys Glu Phe Cys Pro Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6060) Cys Glu Phe Cys Ser Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6061) Cys Glu Phe Cys Ser Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6062) Cys Glu Phe Cys Ser Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6063) Cys Glu Phe Cys Ser Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6064) Cys Glu Phe Cys Ser Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6065) Cys Glu Phe Cys Ser Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6066) Cys Glu Phe Cys Ser Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6067) Cys Glu Phe Cys Ser Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6068) Cys Glu Phe Cys Ser Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6069) Cys Glu Phe Cys Ser Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6070) Cys Glu Phe Cys Ser Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6071) Cys Glu Phe Cys Ser Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6072) Cys Glu Phe Cys Ser Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6073) Cys Glu Phe Cys Ser Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6074) Cys Glu Phe Cys Ser Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6075) Cys Glu Phe Cys Ser Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6076) Cys Glu Phe Cys Ser Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6077) Cys Glu Phe Cys Ser Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6078) Cys Glu Phe Cys Ser Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6079) Cys Glu Phe Cys Ser Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6080) Cys Glu Phe Cys Ser Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6081) Cys Glu Phe Cys Ser Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6082) Cys Glu Phe Cys Ser Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6083) Cys Glu Phe Cys Ser Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6084) Cys Glu Phe Cys Thr Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6085) Cys Glu Phe Cys Thr Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6086) Cys Glu Phe Cys Thr Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6087) Cys Glu Phe Cys Thr Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6088) Cys Glu Phe Cys Thr Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6089) Cys Glu Phe Cys Thr Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6090) Cys Glu Phe Cys Thr Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6091) Cys Glu Phe Cys Thr Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6092) Cys Glu Phe Cys Thr Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6093) Cys Glu Phe Cys Thr Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6094) Cys Glu Phe Cys Thr Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6095) Cys Glu Phe Cys Thr Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6096) Cys Glu Phe Cys Thr Asn Gly Ala Cys Thr Gly Cys Tyr

FIG. 3

(SEQ ID NO: 6097) Cys Glu Phe Cys Thr Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6098) Cys Glu Phe Cys Thr Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6099) Cys Glu Phe Cys Thr Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6100) Cys Glu Phe Cys Thr Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6101) Cys Glu Phe Cys Thr Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6102) Cys Glu Phe Cys Thr Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6103) Cys Glu Phe Cys Thr Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6104) Cys Glu Phe Cys Thr Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6105) Cys Glu Phe Cys Thr Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6106) Cys Glu Phe Cys Thr Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6107) Cys Glu Phe Cys Thr Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6108) Cys Glu Phe Cys Trp Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6109) Cys Glu Phe Cys Trp Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6110) Cys Glu Phe Cys Trp Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6111) Cys Glu Phe Cys Trp Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6112) Cys Glu Phe Cys Trp Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6113) Cys Glu Phe Cys Trp Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6114) Cys Glu Phe Cys Trp Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6115) Cys Glu Phe Cys Trp Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6116) Cys Glu Phe Cys Trp Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6117) Cys Glu Phe Cys Trp Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6118) Cys Glu Phe Cys Trp Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6119) Cys Glu Phe Cys Trp Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6120) Cys Glu Phe Cys Trp Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6121) Cys Glu Phe Cys Trp Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6122) Cys Glu Phe Cys Trp Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6123) Cys Glu Phe Cys Trp Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6124) Cys Glu Phe Cys Trp Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6125) Cys Glu Phe Cys Trp Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6126) Cys Glu Phe Cys Trp Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6127) Cys Glu Phe Cys Trp Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6128) Cys Glu Phe Cys Trp Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6129) Cys Glu Phe Cys Trp Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6130) Cys Glu Phe Cys Trp Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6131) Cys Glu Phe Cys Trp Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6132) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6133) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6134) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6135) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6136) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6137) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6138) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6139) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Thr Ala Cys Tyr

FIG. 3

(SEQ ID NO: 6140) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6141) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6142) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6143) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6144) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6145) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6146) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6147) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6148) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6149) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6150) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6151) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6152) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6153) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6154) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6155) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6156) Cys Glu Phe Cys Val Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6157) Cys Glu Phe Cys Val Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6158) Cys Glu Phe Cys Val Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6159) Cys Glu Phe Cys Val Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6160) Cys Glu Phe Cys Val Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6161) Cys Glu Phe Cys Val Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6162) Cys Glu Phe Cys Val Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6163) Cys Glu Phe Cys Val Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6164) Cys Glu Phe Cys Val Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6165) Cys Glu Phe Cys Val Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6166) Cys Glu Phe Cys Val Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6167) Cys Glu Phe Cys Val Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6168) Cys Glu Phe Cys Val Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6169) Cys Glu Phe Cys Val Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6170) Cys Glu Phe Cys Val Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6171) Cys Glu Phe Cys Val Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6172) Cys Glu Phe Cys Val Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6173) Cys Glu Phe Cys Val Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6174) Cys Glu Phe Cys Val Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6175) Cys Glu Phe Cys Val Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6176) Cys Glu Phe Cys Val Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6177) Cys Glu Phe Cys Val Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6178) Cys Glu Phe Cys Val Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6179) Cys Glu Phe Cys Val Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6180) Cys Glu Phe Cys --- Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6181) Cys Glu Phe Cys --- Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6182) Cys Glu Phe Cys --- Asn Pro Ala Cys Val Gly Cys Tyr

FIG. 3

(SEQ ID NO: 6183) Cys Glu Phe Cys --- Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6184) Cys Glu Phe Cys --- Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6185) Cys Glu Phe Cys --- Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6186) Cys Glu Phe Cys --- Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6187) Cys Glu Phe Cys --- Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6188) Cys Glu Phe Cys --- Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6189) Cys Glu Phe Cys --- Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6190) Cys Glu Phe Cys --- Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6191) Cys Glu Phe Cys --- Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6192) Cys Glu Phe Cys --- Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6193) Cys Glu Phe Cys --- Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6194) Cys Glu Phe Cys --- Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6195) Cys Glu Phe Cys --- Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6196) Cys Glu Phe Cys --- Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6197) Cys Glu Phe Cys --- Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6198) Cys Glu Phe Cys --- Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6199) Cys Glu Phe Cys --- Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6200) Cys Glu Phe Cys --- Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6201) Cys Glu Phe Cys --- Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6202) Cys Glu Phe Cys --- Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6203) Cys Glu Phe Cys --- Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6204) Cys Glu Leu Cys Ala Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6205) Cys Glu Leu Cys Ala Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6206) Cys Glu Leu Cys Ala Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6207) Cys Glu Leu Cys Ala Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6208) Cys Glu Leu Cys Ala Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6209) Cys Glu Leu Cys Ala Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6210) Cys Glu Leu Cys Ala Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6211) Cys Glu Leu Cys Ala Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6212) Cys Glu Leu Cys Ala Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6213) Cys Glu Leu Cys Ala Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6214) Cys Glu Leu Cys Ala Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6215) Cys Glu Leu Cys Ala Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6216) Cys Glu Leu Cys Ala Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6217) Cys Glu Leu Cys Ala Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6218) Cys Glu Leu Cys Ala Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6219) Cys Glu Leu Cys Ala Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6220) Cys Glu Leu Cys Ala Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6221) Cys Glu Leu Cys Ala Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6222) Cys Glu Leu Cys Ala Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6223) Cys Glu Leu Cys Ala Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6224) Cys Glu Leu Cys Ala Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6225) Cys Glu Leu Cys Ala Asn Gly Thr Cys Val Ala Cys Tyr

FIG. 3

(SEQ ID NO: 6226) Cys Glu Leu Cys Ala Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6227) Cys Glu Leu Cys Ala Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6228) Cys Glu Leu Cys Arg Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6229) Cys Glu Leu Cys Arg Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6230) Cys Glu Leu Cys Arg Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6231) Cys Glu Leu Cys Arg Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6232) Cys Glu Leu Cys Arg Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6233) Cys Glu Leu Cys Arg Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6234) Cys Glu Leu Cys Arg Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6235) Cys Glu Leu Cys Arg Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6236) Cys Glu Leu Cys Arg Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6237) Cys Glu Leu Cys Arg Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6238) Cys Glu Leu Cys Arg Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6239) Cys Glu Leu Cys Arg Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6240) Cys Glu Leu Cys Arg Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6241) Cys Glu Leu Cys Arg Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6242) Cys Glu Leu Cys Arg Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6243) Cys Glu Leu Cys Arg Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6244) Cys Glu Leu Cys Arg Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6245) Cys Glu Leu Cys Arg Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6246) Cys Glu Leu Cys Arg Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6247) Cys Glu Leu Cys Arg Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6248) Cys Glu Leu Cys Arg Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6249) Cys Glu Leu Cys Arg Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6250) Cys Glu Leu Cys Arg Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6251) Cys Glu Leu Cys Arg Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6252) Cys Glu Leu Cys Asn Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6253) Cys Glu Leu Cys Asn Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6254) Cys Glu Leu Cys Asn Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6255) Cys Glu Leu Cys Asn Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6256) Cys Glu Leu Cys Asn Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6257) Cys Glu Leu Cys Asn Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6258) Cys Glu Leu Cys Asn Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6259) Cys Glu Leu Cys Asn Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6260) Cys Glu Leu Cys Asn Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6261) Cys Glu Leu Cys Asn Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6262) Cys Glu Leu Cys Asn Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6263) Cys Glu Leu Cys Asn Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6264) Cys Glu Leu Cys Asn Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6265) Cys Glu Leu Cys Asn Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6266) Cys Glu Leu Cys Asn Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6267) Cys Glu Leu Cys Asn Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6268) Cys Glu Leu Cys Asn Asn Gly Ala Cys Gly Gly Cys Tyr

FIG. 3

(SEQ ID NO: 6269) Cys Glu Leu Cys Asn Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6270) Cys Glu Leu Cys Asn Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6271) Cys Glu Leu Cys Asn Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6272) Cys Glu Leu Cys Asn Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6273) Cys Glu Leu Cys Asn Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6274) Cys Glu Leu Cys Asn Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6275) Cys Glu Leu Cys Asn Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6276) Cys Glu Leu Cys Asp Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6277) Cys Glu Leu Cys Asp Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6278) Cys Glu Leu Cys Asp Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6279) Cys Glu Leu Cys Asp Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6280) Cys Glu Leu Cys Asp Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6281) Cys Glu Leu Cys Asp Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6282) Cys Glu Leu Cys Asp Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6283) Cys Glu Leu Cys Asp Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6284) Cys Glu Leu Cys Asp Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6285) Cys Glu Leu Cys Asp Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6286) Cys Glu Leu Cys Asp Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6287) Cys Glu Leu Cys Asp Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6288) Cys Glu Leu Cys Asp Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6289) Cys Glu Leu Cys Asp Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6290) Cys Glu Leu Cys Asp Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6291) Cys Glu Leu Cys Asp Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6292) Cys Glu Leu Cys Asp Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6293) Cys Glu Leu Cys Asp Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6294) Cys Glu Leu Cys Asp Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6295) Cys Glu Leu Cys Asp Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6296) Cys Glu Leu Cys Asp Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6297) Cys Glu Leu Cys Asp Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6298) Cys Glu Leu Cys Asp Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6299) Cys Glu Leu Cys Asp Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6300) Cys Glu Leu Cys Gln Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6301) Cys Glu Leu Cys Gln Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6302) Cys Glu Leu Cys Gln Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6303) Cys Glu Leu Cys Gln Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6304) Cys Glu Leu Cys Gln Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6305) Cys Glu Leu Cys Gln Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6306) Cys Glu Leu Cys Gln Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6307) Cys Glu Leu Cys Gln Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6308) Cys Glu Leu Cys Gln Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6309) Cys Glu Leu Cys Gln Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6310) Cys Glu Leu Cys Gln Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6311) Cys Glu Leu Cys Gln Asn Pro Thr Cys Gly Ala Cys Tyr

FIG. 3

(SEQ ID NO: 6312) Cys Glu Leu Cys Gln Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6313) Cys Glu Leu Cys Gln Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6314) Cys Glu Leu Cys Gln Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6315) Cys Glu Leu Cys Gln Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6316) Cys Glu Leu Cys Gln Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6317) Cys Glu Leu Cys Gln Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6318) Cys Glu Leu Cys Gln Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6319) Cys Glu Leu Cys Gln Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6320) Cys Glu Leu Cys Gln Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6321) Cys Glu Leu Cys Gln Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6322) Cys Glu Leu Cys Gln Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6323) Cys Glu Leu Cys Gln Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6324) Cys Glu Leu Cys Glu Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6325) Cys Glu Leu Cys Glu Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6326) Cys Glu Leu Cys Glu Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6327) Cys Glu Leu Cys Glu Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6328) Cys Glu Leu Cys Glu Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6329) Cys Glu Leu Cys Glu Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6330) Cys Glu Leu Cys Glu Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6331) Cys Glu Leu Cys Glu Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6332) Cys Glu Leu Cys Glu Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6333) Cys Glu Leu Cys Glu Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6334) Cys Glu Leu Cys Glu Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6335) Cys Glu Leu Cys Glu Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6336) Cys Glu Leu Cys Glu Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6337) Cys Glu Leu Cys Glu Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6338) Cys Glu Leu Cys Glu Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6339) Cys Glu Leu Cys Glu Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6340) Cys Glu Leu Cys Glu Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6341) Cys Glu Leu Cys Glu Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6342) Cys Glu Leu Cys Glu Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6343) Cys Glu Leu Cys Glu Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6344) Cys Glu Leu Cys Glu Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6345) Cys Glu Leu Cys Glu Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6346) Cys Glu Leu Cys Glu Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6347) Cys Glu Leu Cys Glu Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6348) Cys Glu Leu Cys Gly Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6349) Cys Glu Leu Cys Gly Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6350) Cys Glu Leu Cys Gly Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6351) Cys Glu Leu Cys Gly Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6352) Cys Glu Leu Cys Gly Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6353) Cys Glu Leu Cys Gly Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6354) Cys Glu Leu Cys Gly Asn Pro Thr Cys Thr Gly Cys Tyr

FIG. 3

(SEQ ID NO: 6355) Cys Glu Leu Cys Gly Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6356) Cys Glu Leu Cys Gly Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6357) Cys Glu Leu Cys Gly Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6358) Cys Glu Leu Cys Gly Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6359) Cys Glu Leu Cys Gly Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6360) Cys Glu Leu Cys Gly Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6361) Cys Glu Leu Cys Gly Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6362) Cys Glu Leu Cys Gly Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6363) Cys Glu Leu Cys Gly Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6364) Cys Glu Leu Cys Gly Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6365) Cys Glu Leu Cys Gly Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6366) Cys Glu Leu Cys Gly Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6367) Cys Glu Leu Cys Gly Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6368) Cys Glu Leu Cys Gly Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6369) Cys Glu Leu Cys Gly Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6370) Cys Glu Leu Cys Gly Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6371) Cys Glu Leu Cys Gly Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6372) Cys Glu Leu Cys His Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6373) Cys Glu Leu Cys His Asn Pro Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6374) Cys Glu Leu Cys His Asn Pro Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6375) Cys Glu Leu Cys His Asn Pro Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6376) Cys Glu Leu Cys His Asn Pro Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6377) Cys Glu Leu Cys His Asn Pro Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6378) Cys Glu Leu Cys His Asn Pro Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6379) Cys Glu Leu Cys His Asn Pro Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6380) Cys Glu Leu Cys His Asn Pro Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6381) Cys Glu Leu Cys His Asn Pro Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6382) Cys Glu Leu Cys His Asn Pro Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6383) Cys Glu Leu Cys His Asn Pro Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6384) Cys Glu Leu Cys His Asn Gly Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6385) Cys Glu Leu Cys His Asn Gly Ala Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6386) Cys Glu Leu Cys His Asn Gly Ala Cys Val Gly Cys Tyr
 (SEQ ID NO: 6387) Cys Glu Leu Cys His Asn Gly Ala Cys Val Ala Cys Tyr
 (SEQ ID NO: 6388) Cys Glu Leu Cys His Asn Gly Ala Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6389) Cys Glu Leu Cys His Asn Gly Ala Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6390) Cys Glu Leu Cys His Asn Gly Thr Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6391) Cys Glu Leu Cys His Asn Gly Thr Cys Thr Ala Cys Tyr
 (SEQ ID NO: 6392) Cys Glu Leu Cys His Asn Gly Thr Cys Val Gly Cys Tyr
 (SEQ ID NO: 6393) Cys Glu Leu Cys His Asn Gly Thr Cys Val Ala Cys Tyr
 (SEQ ID NO: 6394) Cys Glu Leu Cys His Asn Gly Thr Cys Gly Gly Cys Tyr
 (SEQ ID NO: 6395) Cys Glu Leu Cys His Asn Gly Thr Cys Gly Ala Cys Tyr
 (SEQ ID NO: 6396) Cys Glu Leu Cys Ile Asn Pro Ala Cys Thr Gly Cys Tyr
 (SEQ ID NO: 6397) Cys Glu Leu Cys Ile Asn Pro Ala Cys Thr Ala Cys Tyr

FIG. 3

(SEQ ID NO: 6398) Cys Glu Leu Cys Ile Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6399) Cys Glu Leu Cys Ile Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6400) Cys Glu Leu Cys Ile Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6401) Cys Glu Leu Cys Ile Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6402) Cys Glu Leu Cys Ile Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6403) Cys Glu Leu Cys Ile Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6404) Cys Glu Leu Cys Ile Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6405) Cys Glu Leu Cys Ile Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6406) Cys Glu Leu Cys Ile Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6407) Cys Glu Leu Cys Ile Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6408) Cys Glu Leu Cys Ile Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6409) Cys Glu Leu Cys Ile Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6410) Cys Glu Leu Cys Ile Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6411) Cys Glu Leu Cys Ile Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6412) Cys Glu Leu Cys Ile Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6413) Cys Glu Leu Cys Ile Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6414) Cys Glu Leu Cys Ile Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6415) Cys Glu Leu Cys Ile Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6416) Cys Glu Leu Cys Ile Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6417) Cys Glu Leu Cys Ile Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6418) Cys Glu Leu Cys Ile Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6419) Cys Glu Leu Cys Ile Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6420) Cys Glu Leu Cys Leu Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6421) Cys Glu Leu Cys Leu Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6422) Cys Glu Leu Cys Leu Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6423) Cys Glu Leu Cys Leu Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6424) Cys Glu Leu Cys Leu Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6425) Cys Glu Leu Cys Leu Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6426) Cys Glu Leu Cys Leu Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6427) Cys Glu Leu Cys Leu Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6428) Cys Glu Leu Cys Leu Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6429) Cys Glu Leu Cys Leu Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6430) Cys Glu Leu Cys Leu Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6431) Cys Glu Leu Cys Leu Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6432) Cys Glu Leu Cys Leu Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6433) Cys Glu Leu Cys Leu Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6434) Cys Glu Leu Cys Leu Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6435) Cys Glu Leu Cys Leu Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6436) Cys Glu Leu Cys Leu Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6437) Cys Glu Leu Cys Leu Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6438) Cys Glu Leu Cys Leu Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6439) Cys Glu Leu Cys Leu Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6440) Cys Glu Leu Cys Leu Asn Gly Thr Cys Val Gly Cys Tyr

FIG. 3

(SEQ ID NO: 6441) Cys Glu Leu Cys Leu Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6442) Cys Glu Leu Cys Leu Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6443) Cys Glu Leu Cys Leu Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6444) Cys Glu Leu Cys Lys Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6445) Cys Glu Leu Cys Lys Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6446) Cys Glu Leu Cys Lys Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6447) Cys Glu Leu Cys Lys Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6448) Cys Glu Leu Cys Lys Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6449) Cys Glu Leu Cys Lys Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6450) Cys Glu Leu Cys Lys Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6451) Cys Glu Leu Cys Lys Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6452) Cys Glu Leu Cys Lys Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6453) Cys Glu Leu Cys Lys Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6454) Cys Glu Leu Cys Lys Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6455) Cys Glu Leu Cys Lys Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6456) Cys Glu Leu Cys Lys Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6457) Cys Glu Leu Cys Lys Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6458) Cys Glu Leu Cys Lys Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6459) Cys Glu Leu Cys Lys Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6460) Cys Glu Leu Cys Lys Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6461) Cys Glu Leu Cys Lys Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6462) Cys Glu Leu Cys Lys Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6463) Cys Glu Leu Cys Lys Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6464) Cys Glu Leu Cys Lys Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6465) Cys Glu Leu Cys Lys Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6466) Cys Glu Leu Cys Lys Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6467) Cys Glu Leu Cys Lys Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6468) Cys Glu Leu Cys Met Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6469) Cys Glu Leu Cys Met Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6470) Cys Glu Leu Cys Met Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6471) Cys Glu Leu Cys Met Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6472) Cys Glu Leu Cys Met Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6473) Cys Glu Leu Cys Met Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6474) Cys Glu Leu Cys Met Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6475) Cys Glu Leu Cys Met Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6476) Cys Glu Leu Cys Met Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6477) Cys Glu Leu Cys Met Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6478) Cys Glu Leu Cys Met Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6479) Cys Glu Leu Cys Met Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6480) Cys Glu Leu Cys Met Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6481) Cys Glu Leu Cys Met Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6482) Cys Glu Leu Cys Met Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6483) Cys Glu Leu Cys Met Asn Gly Ala Cys Val Ala Cys Tyr

FIG. 3

(SEQ ID NO: 6484) Cys Glu Leu Cys Met Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6485) Cys Glu Leu Cys Met Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6486) Cys Glu Leu Cys Met Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6487) Cys Glu Leu Cys Met Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6488) Cys Glu Leu Cys Met Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6489) Cys Glu Leu Cys Met Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6490) Cys Glu Leu Cys Met Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6491) Cys Glu Leu Cys Met Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6492) Cys Glu Leu Cys Phe Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6493) Cys Glu Leu Cys Phe Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6494) Cys Glu Leu Cys Phe Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6495) Cys Glu Leu Cys Phe Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6496) Cys Glu Leu Cys Phe Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6497) Cys Glu Leu Cys Phe Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6498) Cys Glu Leu Cys Phe Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6499) Cys Glu Leu Cys Phe Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6500) Cys Glu Leu Cys Phe Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6501) Cys Glu Leu Cys Phe Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6502) Cys Glu Leu Cys Phe Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6503) Cys Glu Leu Cys Phe Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6504) Cys Glu Leu Cys Phe Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6505) Cys Glu Leu Cys Phe Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6506) Cys Glu Leu Cys Phe Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6507) Cys Glu Leu Cys Phe Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6508) Cys Glu Leu Cys Phe Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6509) Cys Glu Leu Cys Phe Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6510) Cys Glu Leu Cys Phe Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6511) Cys Glu Leu Cys Phe Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6512) Cys Glu Leu Cys Phe Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6513) Cys Glu Leu Cys Phe Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6514) Cys Glu Leu Cys Phe Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6515) Cys Glu Leu Cys Phe Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6516) Cys Glu Leu Cys Pro Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6517) Cys Glu Leu Cys Pro Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6518) Cys Glu Leu Cys Pro Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6519) Cys Glu Leu Cys Pro Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6520) Cys Glu Leu Cys Pro Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6521) Cys Glu Leu Cys Pro Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6522) Cys Glu Leu Cys Pro Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6523) Cys Glu Leu Cys Pro Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6524) Cys Glu Leu Cys Pro Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6525) Cys Glu Leu Cys Pro Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6526) Cys Glu Leu Cys Pro Asn Pro Thr Cys Gly Gly Cys Tyr

FIG. 3

(SEQ ID NO: 6527) Cys Glu Leu Cys Pro Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6528) Cys Glu Leu Cys Pro Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6529) Cys Glu Leu Cys Pro Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6530) Cys Glu Leu Cys Pro Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6531) Cys Glu Leu Cys Pro Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6532) Cys Glu Leu Cys Pro Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6533) Cys Glu Leu Cys Pro Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6534) Cys Glu Leu Cys Pro Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6535) Cys Glu Leu Cys Pro Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6536) Cys Glu Leu Cys Pro Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6537) Cys Glu Leu Cys Pro Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6538) Cys Glu Leu Cys Pro Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6539) Cys Glu Leu Cys Pro Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6540) Cys Glu Leu Cys Ser Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6541) Cys Glu Leu Cys Ser Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6542) Cys Glu Leu Cys Ser Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6543) Cys Glu Leu Cys Ser Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6544) Cys Glu Leu Cys Ser Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6545) Cys Glu Leu Cys Ser Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6546) Cys Glu Leu Cys Ser Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6547) Cys Glu Leu Cys Ser Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6548) Cys Glu Leu Cys Ser Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6549) Cys Glu Leu Cys Ser Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6550) Cys Glu Leu Cys Ser Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6551) Cys Glu Leu Cys Ser Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6552) Cys Glu Leu Cys Ser Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6553) Cys Glu Leu Cys Ser Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6554) Cys Glu Leu Cys Ser Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6555) Cys Glu Leu Cys Ser Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6556) Cys Glu Leu Cys Ser Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6557) Cys Glu Leu Cys Ser Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6558) Cys Glu Leu Cys Ser Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6559) Cys Glu Leu Cys Ser Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6560) Cys Glu Leu Cys Ser Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6561) Cys Glu Leu Cys Ser Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6562) Cys Glu Leu Cys Ser Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6563) Cys Glu Leu Cys Ser Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6564) Cys Glu Leu Cys Thr Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6565) Cys Glu Leu Cys Thr Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6566) Cys Glu Leu Cys Thr Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6567) Cys Glu Leu Cys Thr Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6568) Cys Glu Leu Cys Thr Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6569) Cys Glu Leu Cys Thr Asn Pro Ala Cys Gly Ala Cys Tyr

FIG. 3

(SEQ ID NO: 6570) Cys Glu Leu Cys Thr Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6571) Cys Glu Leu Cys Thr Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6572) Cys Glu Leu Cys Thr Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6573) Cys Glu Leu Cys Thr Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6574) Cys Glu Leu Cys Thr Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6575) Cys Glu Leu Cys Thr Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6576) Cys Glu Leu Cys Thr Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6577) Cys Glu Leu Cys Thr Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6578) Cys Glu Leu Cys Thr Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6579) Cys Glu Leu Cys Thr Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6580) Cys Glu Leu Cys Thr Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6581) Cys Glu Leu Cys Thr Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6582) Cys Glu Leu Cys Thr Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6583) Cys Glu Leu Cys Thr Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6584) Cys Glu Leu Cys Thr Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6585) Cys Glu Leu Cys Thr Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6586) Cys Glu Leu Cys Thr Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6587) Cys Glu Leu Cys Thr Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6588) Cys Glu Leu Cys Trp Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6589) Cys Glu Leu Cys Trp Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6590) Cys Glu Leu Cys Trp Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6591) Cys Glu Leu Cys Trp Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6592) Cys Glu Leu Cys Trp Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6593) Cys Glu Leu Cys Trp Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6594) Cys Glu Leu Cys Trp Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6595) Cys Glu Leu Cys Trp Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6596) Cys Glu Leu Cys Trp Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6597) Cys Glu Leu Cys Trp Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6598) Cys Glu Leu Cys Trp Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6599) Cys Glu Leu Cys Trp Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6600) Cys Glu Leu Cys Trp Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6601) Cys Glu Leu Cys Trp Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6602) Cys Glu Leu Cys Trp Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6603) Cys Glu Leu Cys Trp Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6604) Cys Glu Leu Cys Trp Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6605) Cys Glu Leu Cys Trp Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6606) Cys Glu Leu Cys Trp Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6607) Cys Glu Leu Cys Trp Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6608) Cys Glu Leu Cys Trp Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6609) Cys Glu Leu Cys Trp Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6610) Cys Glu Leu Cys Trp Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6611) Cys Glu Leu Cys Trp Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6612) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Thr Gly Cys Tyr

FIG. 3

(SEQ ID NO: 6613) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6614) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6615) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6616) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6617) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6618) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6619) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6620) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6621) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6622) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6623) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6624) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6625) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6626) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6627) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6628) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6629) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6630) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6631) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6632) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6633) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6634) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6635) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6636) Cys Glu Leu Cys Val Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6637) Cys Glu Leu Cys Val Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6638) Cys Glu Leu Cys Val Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6639) Cys Glu Leu Cys Val Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6640) Cys Glu Leu Cys Val Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6641) Cys Glu Leu Cys Val Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6642) Cys Glu Leu Cys Val Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6643) Cys Glu Leu Cys Val Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6644) Cys Glu Leu Cys Val Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6645) Cys Glu Leu Cys Val Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6646) Cys Glu Leu Cys Val Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6647) Cys Glu Leu Cys Val Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6648) Cys Glu Leu Cys Val Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6649) Cys Glu Leu Cys Val Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6650) Cys Glu Leu Cys Val Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6651) Cys Glu Leu Cys Val Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6652) Cys Glu Leu Cys Val Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6653) Cys Glu Leu Cys Val Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6654) Cys Glu Leu Cys Val Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6655) Cys Glu Leu Cys Val Asn Gly Thr Cys Thr Ala Cys Tyr

FIG. 3

(SEQ ID NO: 6656) Cys Glu Leu Cys Val Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6657) Cys Glu Leu Cys Val Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6658) Cys Glu Leu Cys Val Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6659) Cys Glu Leu Cys Val Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6660) Cys Glu Leu Cys --- Asn Pro Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6661) Cys Glu Leu Cys --- Asn Pro Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6662) Cys Glu Leu Cys --- Asn Pro Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6663) Cys Glu Leu Cys --- Asn Pro Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6664) Cys Glu Leu Cys --- Asn Pro Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6665) Cys Glu Leu Cys --- Asn Pro Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6666) Cys Glu Leu Cys --- Asn Pro Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6667) Cys Glu Leu Cys --- Asn Pro Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6668) Cys Glu Leu Cys --- Asn Pro Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6669) Cys Glu Leu Cys --- Asn Pro Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6670) Cys Glu Leu Cys --- Asn Pro Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6671) Cys Glu Leu Cys --- Asn Pro Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6672) Cys Glu Leu Cys --- Asn Gly Ala Cys Thr Gly Cys Tyr
(SEQ ID NO: 6673) Cys Glu Leu Cys --- Asn Gly Ala Cys Thr Ala Cys Tyr
(SEQ ID NO: 6674) Cys Glu Leu Cys --- Asn Gly Ala Cys Val Gly Cys Tyr
(SEQ ID NO: 6675) Cys Glu Leu Cys --- Asn Gly Ala Cys Val Ala Cys Tyr
(SEQ ID NO: 6676) Cys Glu Leu Cys --- Asn Gly Ala Cys Gly Gly Cys Tyr
(SEQ ID NO: 6677) Cys Glu Leu Cys --- Asn Gly Ala Cys Gly Ala Cys Tyr
(SEQ ID NO: 6678) Cys Glu Leu Cys --- Asn Gly Thr Cys Thr Gly Cys Tyr
(SEQ ID NO: 6679) Cys Glu Leu Cys --- Asn Gly Thr Cys Thr Ala Cys Tyr
(SEQ ID NO: 6680) Cys Glu Leu Cys --- Asn Gly Thr Cys Val Gly Cys Tyr
(SEQ ID NO: 6681) Cys Glu Leu Cys --- Asn Gly Thr Cys Val Ala Cys Tyr
(SEQ ID NO: 6682) Cys Glu Leu Cys --- Asn Gly Thr Cys Gly Gly Cys Tyr
(SEQ ID NO: 6683) Cys Glu Leu Cys --- Asn Gly Thr Cys Gly Ala Cys Tyr
(SEQ ID NO: 6684) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 6685) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 6686) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 6687) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 6688) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 6689) Cys Glu Tyr Cys Ala Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 6690) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 6691) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 6692) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 6693) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 6694) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 6695) Cys Glu Tyr Cys Ala Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 6696) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 6697) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 6698) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Val Gly Cys

FIG. 3

(SEQ ID NO: 6699) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 6700) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 6701) Cys Glu Tyr Cys Ala Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 6702) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 6703) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 6704) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 6705) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 6706) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 6707) Cys Glu Tyr Cys Ala Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 6708) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 6709) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 6710) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 6711) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 6712) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 6713) Cys Glu Tyr Cys Arg Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 6714) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 6715) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 6716) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 6717) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 6718) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 6719) Cys Glu Tyr Cys Arg Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 6720) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 6721) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 6722) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 6723) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 6724) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 6725) Cys Glu Tyr Cys Arg Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 6726) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 6727) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 6728) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 6729) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 6730) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 6731) Cys Glu Tyr Cys Arg Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 6732) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 6733) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 6734) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 6735) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 6736) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 6737) Cys Glu Tyr Cys Asn Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 6738) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 6739) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 6740) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 6741) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Val Ala Cys

FIG. 3

(SEQ ID NO: 6742) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 6743) Cys Glu Tyr Cys Asn Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 6744) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 6745) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 6746) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 6747) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 6748) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 6749) Cys Glu Tyr Cys Asn Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 6750) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 6751) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 6752) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 6753) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 6754) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 6755) Cys Glu Tyr Cys Asn Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 6756) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 6757) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 6758) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 6759) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 6760) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 6761) Cys Glu Tyr Cys Asp Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 6762) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 6763) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 6764) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 6765) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 6766) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 6767) Cys Glu Tyr Cys Asp Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 6768) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 6769) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 6770) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 6771) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 6772) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 6773) Cys Glu Tyr Cys Asp Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 6774) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 6775) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 6776) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 6777) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 6778) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 6779) Cys Glu Tyr Cys Asp Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 6780) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 6781) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 6782) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 6783) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 6784) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Gly Gly Cys

FIG. 3

(SEQ ID NO: 6785) Cys Glu Tyr Cys Gln Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 6786) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 6787) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 6788) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 6789) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 6790) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 6791) Cys Glu Tyr Cys Gln Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 6792) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 6793) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 6794) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 6795) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 6796) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 6797) Cys Glu Tyr Cys Gln Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 6798) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 6799) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 6800) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 6801) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 6802) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 6803) Cys Glu Tyr Cys Gln Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 6804) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 6805) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 6806) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 6807) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 6808) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 6809) Cys Glu Tyr Cys Glu Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 6810) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 6811) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 6812) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 6813) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 6814) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 6815) Cys Glu Tyr Cys Glu Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 6816) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 6817) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 6818) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 6819) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 6820) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 6821) Cys Glu Tyr Cys Glu Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 6822) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 6823) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 6824) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 6825) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 6826) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 6827) Cys Glu Tyr Cys Glu Asn Gly Thr Cys Gly Ala Cys

FIG. 3

(SEQ ID NO: 6828) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 6829) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 6830) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 6831) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 6832) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 6833) Cys Glu Tyr Cys Gly Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 6834) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 6835) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 6836) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 6837) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 6838) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 6839) Cys Glu Tyr Cys Gly Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 6840) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 6841) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 6842) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 6843) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 6844) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 6845) Cys Glu Tyr Cys Gly Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 6846) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 6847) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 6848) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 6849) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 6850) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 6851) Cys Glu Tyr Cys Gly Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 6852) Cys Glu Tyr Cys His Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 6853) Cys Glu Tyr Cys His Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 6854) Cys Glu Tyr Cys His Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 6855) Cys Glu Tyr Cys His Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 6856) Cys Glu Tyr Cys His Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 6857) Cys Glu Tyr Cys His Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 6858) Cys Glu Tyr Cys His Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 6859) Cys Glu Tyr Cys His Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 6860) Cys Glu Tyr Cys His Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 6861) Cys Glu Tyr Cys His Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 6862) Cys Glu Tyr Cys His Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 6863) Cys Glu Tyr Cys His Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 6864) Cys Glu Tyr Cys His Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 6865) Cys Glu Tyr Cys His Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 6866) Cys Glu Tyr Cys His Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 6867) Cys Glu Tyr Cys His Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 6868) Cys Glu Tyr Cys His Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 6869) Cys Glu Tyr Cys His Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 6870) Cys Glu Tyr Cys His Asn Gly Thr Cys Thr Gly Cys

FIG. 3

(SEQ ID NO: 6871) Cys Glu Tyr Cys His Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 6872) Cys Glu Tyr Cys His Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 6873) Cys Glu Tyr Cys His Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 6874) Cys Glu Tyr Cys His Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 6875) Cys Glu Tyr Cys His Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 6876) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 6877) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 6878) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 6879) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 6880) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 6881) Cys Glu Tyr Cys Ile Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 6882) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 6883) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 6884) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 6885) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 6886) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 6887) Cys Glu Tyr Cys Ile Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 6888) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 6889) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 6890) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 6891) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 6892) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 6893) Cys Glu Tyr Cys Ile Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 6894) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 6895) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 6896) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 6897) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 6898) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 6899) Cys Glu Tyr Cys Ile Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 6900) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 6901) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 6902) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 6903) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 6904) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 6905) Cys Glu Tyr Cys Leu Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 6906) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 6907) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 6908) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 6909) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 6910) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 6911) Cys Glu Tyr Cys Leu Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 6912) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 6913) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Thr Ala Cys

FIG. 3

(SEQ ID NO: 6914) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 6915) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 6916) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 6917) Cys Glu Tyr Cys Leu Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 6918) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 6919) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 6920) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 6921) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 6922) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 6923) Cys Glu Tyr Cys Leu Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 6924) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 6925) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 6926) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 6927) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 6928) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 6929) Cys Glu Tyr Cys Lys Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 6930) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 6931) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 6932) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 6933) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 6934) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 6935) Cys Glu Tyr Cys Lys Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 6936) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 6937) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 6938) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 6939) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 6940) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 6941) Cys Glu Tyr Cys Lys Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 6942) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 6943) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 6944) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 6945) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 6946) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 6947) Cys Glu Tyr Cys Lys Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 6948) Cys Glu Tyr Cys Met Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 6949) Cys Glu Tyr Cys Met Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 6950) Cys Glu Tyr Cys Met Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 6951) Cys Glu Tyr Cys Met Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 6952) Cys Glu Tyr Cys Met Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 6953) Cys Glu Tyr Cys Met Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 6954) Cys Glu Tyr Cys Met Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 6955) Cys Glu Tyr Cys Met Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 6956) Cys Glu Tyr Cys Met Asn Pro Thr Cys Val Gly Cys

FIG. 3

(SEQ ID NO: 6957) Cys Glu Tyr Cys Met Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 6958) Cys Glu Tyr Cys Met Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 6959) Cys Glu Tyr Cys Met Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 6960) Cys Glu Tyr Cys Met Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 6961) Cys Glu Tyr Cys Met Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 6962) Cys Glu Tyr Cys Met Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 6963) Cys Glu Tyr Cys Met Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 6964) Cys Glu Tyr Cys Met Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 6965) Cys Glu Tyr Cys Met Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 6966) Cys Glu Tyr Cys Met Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 6967) Cys Glu Tyr Cys Met Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 6968) Cys Glu Tyr Cys Met Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 6969) Cys Glu Tyr Cys Met Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 6970) Cys Glu Tyr Cys Met Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 6971) Cys Glu Tyr Cys Met Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 6972) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 6973) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 6974) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 6975) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 6976) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 6977) Cys Glu Tyr Cys Phe Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 6978) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 6979) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 6980) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 6981) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 6982) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 6983) Cys Glu Tyr Cys Phe Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 6984) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 6985) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 6986) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 6987) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 6988) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 6989) Cys Glu Tyr Cys Phe Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 6990) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 6991) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 6992) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 6993) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 6994) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 6995) Cys Glu Tyr Cys Phe Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 6996) Cys Glu Tyr Cys Pro Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 6997) Cys Glu Tyr Cys Pro Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 6998) Cys Glu Tyr Cys Pro Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 6999) Cys Glu Tyr Cys Pro Asn Pro Ala Cys Val Ala Cys

FIG. 3

(SEQ ID NO: 7000)	Cys Glu Tyr Cys Pro Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7001)	Cys Glu Tyr Cys Pro Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7002)	Cys Glu Tyr Cys Pro Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7003)	Cys Glu Tyr Cys Pro Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7004)	Cys Glu Tyr Cys Pro Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7005)	Cys Glu Tyr Cys Pro Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7006)	Cys Glu Tyr Cys Pro Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7007)	Cys Glu Tyr Cys Pro Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7008)	Cys Glu Tyr Cys Pro Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7009)	Cys Glu Tyr Cys Pro Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7010)	Cys Glu Tyr Cys Pro Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7011)	Cys Glu Tyr Cys Pro Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7012)	Cys Glu Tyr Cys Pro Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7013)	Cys Glu Tyr Cys Pro Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7014)	Cys Glu Tyr Cys Pro Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7015)	Cys Glu Tyr Cys Pro Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7016)	Cys Glu Tyr Cys Pro Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7017)	Cys Glu Tyr Cys Pro Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7018)	Cys Glu Tyr Cys Pro Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7019)	Cys Glu Tyr Cys Pro Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7020)	Cys Glu Tyr Cys Ser Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7021)	Cys Glu Tyr Cys Ser Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7022)	Cys Glu Tyr Cys Ser Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7023)	Cys Glu Tyr Cys Ser Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7024)	Cys Glu Tyr Cys Ser Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7025)	Cys Glu Tyr Cys Ser Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7026)	Cys Glu Tyr Cys Ser Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7027)	Cys Glu Tyr Cys Ser Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7028)	Cys Glu Tyr Cys Ser Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7029)	Cys Glu Tyr Cys Ser Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7030)	Cys Glu Tyr Cys Ser Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7031)	Cys Glu Tyr Cys Ser Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7032)	Cys Glu Tyr Cys Ser Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7033)	Cys Glu Tyr Cys Ser Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7034)	Cys Glu Tyr Cys Ser Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7035)	Cys Glu Tyr Cys Ser Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7036)	Cys Glu Tyr Cys Ser Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7037)	Cys Glu Tyr Cys Ser Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7038)	Cys Glu Tyr Cys Ser Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7039)	Cys Glu Tyr Cys Ser Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7040)	Cys Glu Tyr Cys Ser Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7041)	Cys Glu Tyr Cys Ser Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7042)	Cys Glu Tyr Cys Ser Asn Gly Thr Cys Gly Gly Cys

FIG. 3

(SEQ ID NO: 7043) Cys Glu Tyr Cys Ser Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 7044) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 7045) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 7046) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7047) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7048) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7049) Cys Glu Tyr Cys Thr Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7050) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7051) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7052) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 7053) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 7054) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 7055) Cys Glu Tyr Cys Thr Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 7056) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 7057) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 7058) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 7059) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 7060) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 7061) Cys Glu Tyr Cys Thr Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 7062) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 7063) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 7064) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 7065) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 7066) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 7067) Cys Glu Tyr Cys Thr Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 7068) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 7069) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 7070) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7071) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7072) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7073) Cys Glu Tyr Cys Trp Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7074) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7075) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7076) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 7077) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 7078) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 7079) Cys Glu Tyr Cys Trp Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 7080) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 7081) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 7082) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 7083) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 7084) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 7085) Cys Glu Tyr Cys Trp Asn Gly Ala Cys Gly Ala Cys

FIG. 3

(SEQ ID NO: 7086) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 7087) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 7088) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 7089) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 7090) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 7091) Cys Glu Tyr Cys Trp Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 7092) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 7093) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 7094) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7095) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7096) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7097) Cys Glu Tyr Cys Tyr Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7098) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7099) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7100) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 7101) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 7102) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 7103) Cys Glu Tyr Cys Tyr Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 7104) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 7105) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 7106) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 7107) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 7108) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 7109) Cys Glu Tyr Cys Tyr Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 7110) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 7111) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 7112) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 7113) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 7114) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 7115) Cys Glu Tyr Cys Tyr Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 7116) Cys Glu Tyr Cys Val Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 7117) Cys Glu Tyr Cys Val Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 7118) Cys Glu Tyr Cys Val Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7119) Cys Glu Tyr Cys Val Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7120) Cys Glu Tyr Cys Val Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7121) Cys Glu Tyr Cys Val Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7122) Cys Glu Tyr Cys Val Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7123) Cys Glu Tyr Cys Val Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7124) Cys Glu Tyr Cys Val Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 7125) Cys Glu Tyr Cys Val Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 7126) Cys Glu Tyr Cys Val Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 7127) Cys Glu Tyr Cys Val Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 7128) Cys Glu Tyr Cys Val Asn Gly Ala Cys Thr Gly Cys

FIG. 3

(SEQ ID NO: 7129) Cys Glu Tyr Cys Val Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7130) Cys Glu Tyr Cys Val Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7131) Cys Glu Tyr Cys Val Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7132) Cys Glu Tyr Cys Val Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7133) Cys Glu Tyr Cys Val Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7134) Cys Glu Tyr Cys Val Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7135) Cys Glu Tyr Cys Val Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7136) Cys Glu Tyr Cys Val Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7137) Cys Glu Tyr Cys Val Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7138) Cys Glu Tyr Cys Val Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7139) Cys Glu Tyr Cys Val Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7140) Cys Glu Tyr Cys --- Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7141) Cys Glu Tyr Cys --- Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7142) Cys Glu Tyr Cys --- Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7143) Cys Glu Tyr Cys --- Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7144) Cys Glu Tyr Cys --- Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7145) Cys Glu Tyr Cys --- Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7146) Cys Glu Tyr Cys --- Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7147) Cys Glu Tyr Cys --- Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7148) Cys Glu Tyr Cys --- Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7149) Cys Glu Tyr Cys --- Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7150) Cys Glu Tyr Cys --- Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7151) Cys Glu Tyr Cys --- Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7152) Cys Glu Tyr Cys --- Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7153) Cys Glu Tyr Cys --- Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7154) Cys Glu Tyr Cys --- Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7155) Cys Glu Tyr Cys --- Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7156) Cys Glu Tyr Cys --- Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7157) Cys Glu Tyr Cys --- Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7158) Cys Glu Tyr Cys --- Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7159) Cys Glu Tyr Cys --- Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7160) Cys Glu Tyr Cys --- Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7161) Cys Glu Tyr Cys --- Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7162) Cys Glu Tyr Cys --- Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7163) Cys Glu Tyr Cys --- Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7164) Cys Glu Trp Cys Ala Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7165) Cys Glu Trp Cys Ala Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7166) Cys Glu Trp Cys Ala Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7167) Cys Glu Trp Cys Ala Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7168) Cys Glu Trp Cys Ala Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7169) Cys Glu Trp Cys Ala Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7170) Cys Glu Trp Cys Ala Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7171) Cys Glu Trp Cys Ala Asn Pro Thr Cys Thr Ala Cys

FIG. 3

(SEQ ID NO: 7172) Cys Glu Trp Cys Ala Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7173) Cys Glu Trp Cys Ala Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7174) Cys Glu Trp Cys Ala Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7175) Cys Glu Trp Cys Ala Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7176) Cys Glu Trp Cys Ala Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7177) Cys Glu Trp Cys Ala Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7178) Cys Glu Trp Cys Ala Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7179) Cys Glu Trp Cys Ala Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7180) Cys Glu Trp Cys Ala Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7181) Cys Glu Trp Cys Ala Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7182) Cys Glu Trp Cys Ala Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7183) Cys Glu Trp Cys Ala Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7184) Cys Glu Trp Cys Ala Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7185) Cys Glu Trp Cys Ala Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7186) Cys Glu Trp Cys Ala Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7187) Cys Glu Trp Cys Ala Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7188) Cys Glu Trp Cys Arg Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7189) Cys Glu Trp Cys Arg Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7190) Cys Glu Trp Cys Arg Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7191) Cys Glu Trp Cys Arg Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7192) Cys Glu Trp Cys Arg Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7193) Cys Glu Trp Cys Arg Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7194) Cys Glu Trp Cys Arg Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7195) Cys Glu Trp Cys Arg Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7196) Cys Glu Trp Cys Arg Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7197) Cys Glu Trp Cys Arg Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7198) Cys Glu Trp Cys Arg Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7199) Cys Glu Trp Cys Arg Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7200) Cys Glu Trp Cys Arg Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7201) Cys Glu Trp Cys Arg Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7202) Cys Glu Trp Cys Arg Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7203) Cys Glu Trp Cys Arg Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7204) Cys Glu Trp Cys Arg Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7205) Cys Glu Trp Cys Arg Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7206) Cys Glu Trp Cys Arg Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7207) Cys Glu Trp Cys Arg Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7208) Cys Glu Trp Cys Arg Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7209) Cys Glu Trp Cys Arg Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7210) Cys Glu Trp Cys Arg Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7211) Cys Glu Trp Cys Arg Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7212) Cys Glu Trp Cys Asn Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7213) Cys Glu Trp Cys Asn Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7214) Cys Glu Trp Cys Asn Asn Pro Ala Cys Val Gly Cys

FIG. 3

(SEQ ID NO: 7215) Cys Glu Trp Cys Asn Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7216) Cys Glu Trp Cys Asn Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7217) Cys Glu Trp Cys Asn Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7218) Cys Glu Trp Cys Asn Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7219) Cys Glu Trp Cys Asn Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7220) Cys Glu Trp Cys Asn Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7221) Cys Glu Trp Cys Asn Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7222) Cys Glu Trp Cys Asn Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7223) Cys Glu Trp Cys Asn Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7224) Cys Glu Trp Cys Asn Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7225) Cys Glu Trp Cys Asn Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7226) Cys Glu Trp Cys Asn Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7227) Cys Glu Trp Cys Asn Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7228) Cys Glu Trp Cys Asn Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7229) Cys Glu Trp Cys Asn Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7230) Cys Glu Trp Cys Asn Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7231) Cys Glu Trp Cys Asn Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7232) Cys Glu Trp Cys Asn Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7233) Cys Glu Trp Cys Asn Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7234) Cys Glu Trp Cys Asn Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7235) Cys Glu Trp Cys Asn Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7236) Cys Glu Trp Cys Asp Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7237) Cys Glu Trp Cys Asp Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7238) Cys Glu Trp Cys Asp Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7239) Cys Glu Trp Cys Asp Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7240) Cys Glu Trp Cys Asp Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7241) Cys Glu Trp Cys Asp Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7242) Cys Glu Trp Cys Asp Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7243) Cys Glu Trp Cys Asp Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7244) Cys Glu Trp Cys Asp Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7245) Cys Glu Trp Cys Asp Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7246) Cys Glu Trp Cys Asp Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7247) Cys Glu Trp Cys Asp Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7248) Cys Glu Trp Cys Asp Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7249) Cys Glu Trp Cys Asp Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7250) Cys Glu Trp Cys Asp Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7251) Cys Glu Trp Cys Asp Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7252) Cys Glu Trp Cys Asp Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7253) Cys Glu Trp Cys Asp Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7254) Cys Glu Trp Cys Asp Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7255) Cys Glu Trp Cys Asp Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7256) Cys Glu Trp Cys Asp Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7257) Cys Glu Trp Cys Asp Asn Gly Thr Cys Val Ala Cys

FIG. 3

(SEQ ID NO: 7258) Cys Glu Trp Cys Asp Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7259) Cys Glu Trp Cys Asp Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7260) Cys Glu Trp Cys Gln Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7261) Cys Glu Trp Cys Gln Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7262) Cys Glu Trp Cys Gln Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7263) Cys Glu Trp Cys Gln Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7264) Cys Glu Trp Cys Gln Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7265) Cys Glu Trp Cys Gln Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7266) Cys Glu Trp Cys Gln Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7267) Cys Glu Trp Cys Gln Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7268) Cys Glu Trp Cys Gln Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7269) Cys Glu Trp Cys Gln Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7270) Cys Glu Trp Cys Gln Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7271) Cys Glu Trp Cys Gln Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7272) Cys Glu Trp Cys Gln Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7273) Cys Glu Trp Cys Gln Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7274) Cys Glu Trp Cys Gln Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7275) Cys Glu Trp Cys Gln Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7276) Cys Glu Trp Cys Gln Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7277) Cys Glu Trp Cys Gln Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7278) Cys Glu Trp Cys Gln Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7279) Cys Glu Trp Cys Gln Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7280) Cys Glu Trp Cys Gln Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7281) Cys Glu Trp Cys Gln Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7282) Cys Glu Trp Cys Gln Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7283) Cys Glu Trp Cys Gln Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7284) Cys Glu Trp Cys Glu Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7285) Cys Glu Trp Cys Glu Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7286) Cys Glu Trp Cys Glu Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7287) Cys Glu Trp Cys Glu Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7288) Cys Glu Trp Cys Glu Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7289) Cys Glu Trp Cys Glu Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7290) Cys Glu Trp Cys Glu Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7291) Cys Glu Trp Cys Glu Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7292) Cys Glu Trp Cys Glu Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7293) Cys Glu Trp Cys Glu Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7294) Cys Glu Trp Cys Glu Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7295) Cys Glu Trp Cys Glu Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7296) Cys Glu Trp Cys Glu Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7297) Cys Glu Trp Cys Glu Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7298) Cys Glu Trp Cys Glu Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7299) Cys Glu Trp Cys Glu Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7300) Cys Glu Trp Cys Glu Asn Gly Ala Cys Gly Gly Cys

FIG. 3

(SEQ ID NO: 7301) Cys Glu Trp Cys Glu Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 7302) Cys Glu Trp Cys Glu Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 7303) Cys Glu Trp Cys Glu Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 7304) Cys Glu Trp Cys Glu Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 7305) Cys Glu Trp Cys Glu Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 7306) Cys Glu Trp Cys Glu Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 7307) Cys Glu Trp Cys Glu Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 7308) Cys Glu Trp Cys Gly Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 7309) Cys Glu Trp Cys Gly Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 7310) Cys Glu Trp Cys Gly Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7311) Cys Glu Trp Cys Gly Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7312) Cys Glu Trp Cys Gly Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7313) Cys Glu Trp Cys Gly Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7314) Cys Glu Trp Cys Gly Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7315) Cys Glu Trp Cys Gly Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7316) Cys Glu Trp Cys Gly Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 7317) Cys Glu Trp Cys Gly Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 7318) Cys Glu Trp Cys Gly Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 7319) Cys Glu Trp Cys Gly Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 7320) Cys Glu Trp Cys Gly Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 7321) Cys Glu Trp Cys Gly Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 7322) Cys Glu Trp Cys Gly Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 7323) Cys Glu Trp Cys Gly Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 7324) Cys Glu Trp Cys Gly Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 7325) Cys Glu Trp Cys Gly Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 7326) Cys Glu Trp Cys Gly Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 7327) Cys Glu Trp Cys Gly Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 7328) Cys Glu Trp Cys Gly Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 7329) Cys Glu Trp Cys Gly Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 7330) Cys Glu Trp Cys Gly Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 7331) Cys Glu Trp Cys Gly Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 7332) Cys Glu Trp Cys His Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 7333) Cys Glu Trp Cys His Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 7334) Cys Glu Trp Cys His Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7335) Cys Glu Trp Cys His Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7336) Cys Glu Trp Cys His Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7337) Cys Glu Trp Cys His Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7338) Cys Glu Trp Cys His Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7339) Cys Glu Trp Cys His Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7340) Cys Glu Trp Cys His Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 7341) Cys Glu Trp Cys His Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 7342) Cys Glu Trp Cys His Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 7343) Cys Glu Trp Cys His Asn Pro Thr Cys Gly Ala Cys

FIG. 3

(SEQ ID NO: 7344) Cys Glu Trp Cys His Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7345) Cys Glu Trp Cys His Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7346) Cys Glu Trp Cys His Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7347) Cys Glu Trp Cys His Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7348) Cys Glu Trp Cys His Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7349) Cys Glu Trp Cys His Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7350) Cys Glu Trp Cys His Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7351) Cys Glu Trp Cys His Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7352) Cys Glu Trp Cys His Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7353) Cys Glu Trp Cys His Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7354) Cys Glu Trp Cys His Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7355) Cys Glu Trp Cys His Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7356) Cys Glu Trp Cys Ile Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7357) Cys Glu Trp Cys Ile Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7358) Cys Glu Trp Cys Ile Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7359) Cys Glu Trp Cys Ile Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7360) Cys Glu Trp Cys Ile Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7361) Cys Glu Trp Cys Ile Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7362) Cys Glu Trp Cys Ile Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7363) Cys Glu Trp Cys Ile Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7364) Cys Glu Trp Cys Ile Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7365) Cys Glu Trp Cys Ile Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7366) Cys Glu Trp Cys Ile Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7367) Cys Glu Trp Cys Ile Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7368) Cys Glu Trp Cys Ile Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7369) Cys Glu Trp Cys Ile Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7370) Cys Glu Trp Cys Ile Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7371) Cys Glu Trp Cys Ile Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7372) Cys Glu Trp Cys Ile Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7373) Cys Glu Trp Cys Ile Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7374) Cys Glu Trp Cys Ile Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7375) Cys Glu Trp Cys Ile Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7376) Cys Glu Trp Cys Ile Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7377) Cys Glu Trp Cys Ile Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7378) Cys Glu Trp Cys Ile Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7379) Cys Glu Trp Cys Ile Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7380) Cys Glu Trp Cys Leu Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7381) Cys Glu Trp Cys Leu Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7382) Cys Glu Trp Cys Leu Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7383) Cys Glu Trp Cys Leu Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7384) Cys Glu Trp Cys Leu Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7385) Cys Glu Trp Cys Leu Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7386) Cys Glu Trp Cys Leu Asn Pro Thr Cys Thr Gly Cys

FIG. 3

(SEQ ID NO: 7387) Cys Glu Trp Cys Leu Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7388) Cys Glu Trp Cys Leu Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7389) Cys Glu Trp Cys Leu Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7390) Cys Glu Trp Cys Leu Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7391) Cys Glu Trp Cys Leu Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7392) Cys Glu Trp Cys Leu Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7393) Cys Glu Trp Cys Leu Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7394) Cys Glu Trp Cys Leu Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7395) Cys Glu Trp Cys Leu Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7396) Cys Glu Trp Cys Leu Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7397) Cys Glu Trp Cys Leu Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7398) Cys Glu Trp Cys Leu Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7399) Cys Glu Trp Cys Leu Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7400) Cys Glu Trp Cys Leu Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7401) Cys Glu Trp Cys Leu Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7402) Cys Glu Trp Cys Leu Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7403) Cys Glu Trp Cys Leu Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7404) Cys Glu Trp Cys Lys Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7405) Cys Glu Trp Cys Lys Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7406) Cys Glu Trp Cys Lys Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7407) Cys Glu Trp Cys Lys Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7408) Cys Glu Trp Cys Lys Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7409) Cys Glu Trp Cys Lys Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7410) Cys Glu Trp Cys Lys Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7411) Cys Glu Trp Cys Lys Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7412) Cys Glu Trp Cys Lys Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7413) Cys Glu Trp Cys Lys Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7414) Cys Glu Trp Cys Lys Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7415) Cys Glu Trp Cys Lys Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7416) Cys Glu Trp Cys Lys Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7417) Cys Glu Trp Cys Lys Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7418) Cys Glu Trp Cys Lys Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7419) Cys Glu Trp Cys Lys Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7420) Cys Glu Trp Cys Lys Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7421) Cys Glu Trp Cys Lys Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7422) Cys Glu Trp Cys Lys Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7423) Cys Glu Trp Cys Lys Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7424) Cys Glu Trp Cys Lys Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7425) Cys Glu Trp Cys Lys Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7426) Cys Glu Trp Cys Lys Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7427) Cys Glu Trp Cys Lys Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7428) Cys Glu Trp Cys Met Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7429) Cys Glu Trp Cys Met Asn Pro Ala Cys Thr Ala Cys

FIG. 3

(SEQ ID NO: 7430) Cys Glu Trp Cys Met Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7431) Cys Glu Trp Cys Met Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7432) Cys Glu Trp Cys Met Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7433) Cys Glu Trp Cys Met Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7434) Cys Glu Trp Cys Met Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7435) Cys Glu Trp Cys Met Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7436) Cys Glu Trp Cys Met Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 7437) Cys Glu Trp Cys Met Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 7438) Cys Glu Trp Cys Met Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 7439) Cys Glu Trp Cys Met Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 7440) Cys Glu Trp Cys Met Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 7441) Cys Glu Trp Cys Met Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 7442) Cys Glu Trp Cys Met Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 7443) Cys Glu Trp Cys Met Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 7444) Cys Glu Trp Cys Met Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 7445) Cys Glu Trp Cys Met Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 7446) Cys Glu Trp Cys Met Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 7447) Cys Glu Trp Cys Met Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 7448) Cys Glu Trp Cys Met Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 7449) Cys Glu Trp Cys Met Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 7450) Cys Glu Trp Cys Met Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 7451) Cys Glu Trp Cys Met Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 7452) Cys Glu Trp Cys Phe Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 7453) Cys Glu Trp Cys Phe Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 7454) Cys Glu Trp Cys Phe Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7455) Cys Glu Trp Cys Phe Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7456) Cys Glu Trp Cys Phe Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7457) Cys Glu Trp Cys Phe Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7458) Cys Glu Trp Cys Phe Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7459) Cys Glu Trp Cys Phe Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7460) Cys Glu Trp Cys Phe Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 7481) Cys Glu Trp Cys Phe Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 7462) Cys Glu Trp Cys Phe Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 7463) Cys Glu Trp Cys Phe Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 7464) Cys Glu Trp Cys Phe Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 7465) Cys Glu Trp Cys Phe Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 7466) Cys Glu Trp Cys Phe Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 7467) Cys Glu Trp Cys Phe Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 7468) Cys Glu Trp Cys Phe Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 7469) Cys Glu Trp Cys Phe Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 7470) Cys Glu Trp Cys Phe Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 7471) Cys Glu Trp Cys Phe Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 7472) Cys Glu Trp Cys Phe Asn Gly Thr Cys Val Gly Cys

FIG. 3

(SEQ ID NO: 7473) Cys Glu Trp Cys Phe Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7474) Cys Glu Trp Cys Phe Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7475) Cys Glu Trp Cys Phe Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7476) Cys Glu Trp Cys Pro Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7477) Cys Glu Trp Cys Pro Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7478) Cys Glu Trp Cys Pro Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7479) Cys Glu Trp Cys Pro Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7480) Cys Glu Trp Cys Pro Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7481) Cys Glu Trp Cys Pro Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7482) Cys Glu Trp Cys Pro Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7483) Cys Glu Trp Cys Pro Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7484) Cys Glu Trp Cys Pro Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7485) Cys Glu Trp Cys Pro Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7486) Cys Glu Trp Cys Pro Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7487) Cys Glu Trp Cys Pro Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7488) Cys Glu Trp Cys Pro Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7489) Cys Glu Trp Cys Pro Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7490) Cys Glu Trp Cys Pro Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7491) Cys Glu Trp Cys Pro Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7492) Cys Glu Trp Cys Pro Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7493) Cys Glu Trp Cys Pro Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7494) Cys Glu Trp Cys Pro Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7495) Cys Glu Trp Cys Pro Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7496) Cys Glu Trp Cys Pro Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7497) Cys Glu Trp Cys Pro Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7498) Cys Glu Trp Cys Pro Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7499) Cys Glu Trp Cys Pro Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7500) Cys Glu Trp Cys Ser Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7501) Cys Glu Trp Cys Ser Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7502) Cys Glu Trp Cys Ser Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7503) Cys Glu Trp Cys Ser Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7504) Cys Glu Trp Cys Ser Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7505) Cys Glu Trp Cys Ser Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7506) Cys Glu Trp Cys Ser Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7507) Cys Glu Trp Cys Ser Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7508) Cys Glu Trp Cys Ser Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7509) Cys Glu Trp Cys Ser Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7510) Cys Glu Trp Cys Ser Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7511) Cys Glu Trp Cys Ser Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7512) Cys Glu Trp Cys Ser Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7513) Cys Glu Trp Cys Ser Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7514) Cys Glu Trp Cys Ser Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7515) Cys Glu Trp Cys Ser Asn Gly Ala Cys Val Ala Cys

FIG. 3

(SEQ ID NO: 7516) Cys Glu Trp Cys Ser Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7517) Cys Glu Trp Cys Ser Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7518) Cys Glu Trp Cys Ser Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7519) Cys Glu Trp Cys Ser Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7520) Cys Glu Trp Cys Ser Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7521) Cys Glu Trp Cys Ser Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7522) Cys Glu Trp Cys Ser Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7523) Cys Glu Trp Cys Ser Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7524) Cys Glu Trp Cys Thr Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7525) Cys Glu Trp Cys Thr Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7526) Cys Glu Trp Cys Thr Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7527) Cys Glu Trp Cys Thr Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7528) Cys Glu Trp Cys Thr Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7529) Cys Glu Trp Cys Thr Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7530) Cys Glu Trp Cys Thr Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7531) Cys Glu Trp Cys Thr Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7532) Cys Glu Trp Cys Thr Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7533) Cys Glu Trp Cys Thr Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7534) Cys Glu Trp Cys Thr Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7535) Cys Glu Trp Cys Thr Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7536) Cys Glu Trp Cys Thr Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7537) Cys Glu Trp Cys Thr Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7538) Cys Glu Trp Cys Thr Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7539) Cys Glu Trp Cys Thr Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7540) Cys Glu Trp Cys Thr Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7541) Cys Glu Trp Cys Thr Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7542) Cys Glu Trp Cys Thr Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7543) Cys Glu Trp Cys Thr Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7544) Cys Glu Trp Cys Thr Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7545) Cys Glu Trp Cys Thr Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7546) Cys Glu Trp Cys Thr Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7547) Cys Glu Trp Cys Thr Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7548) Cys Glu Trp Cys Trp Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7549) Cys Glu Trp Cys Trp Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7550) Cys Glu Trp Cys Trp Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7551) Cys Glu Trp Cys Trp Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7552) Cys Glu Trp Cys Trp Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7553) Cys Glu Trp Cys Trp Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7554) Cys Glu Trp Cys Trp Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7555) Cys Glu Trp Cys Trp Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7556) Cys Glu Trp Cys Trp Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7557) Cys Glu Trp Cys Trp Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7558) Cys Glu Trp Cys Trp Asn Pro Thr Cys Gly Gly Cys

FIG. 3

(SEQ ID NO: 7559) Cys Glu Trp Cys Trp Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7560) Cys Glu Trp Cys Trp Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7561) Cys Glu Trp Cys Trp Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7562) Cys Glu Trp Cys Trp Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7563) Cys Glu Trp Cys Trp Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7564) Cys Glu Trp Cys Trp Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7565) Cys Glu Trp Cys Trp Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7566) Cys Glu Trp Cys Trp Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7567) Cys Glu Trp Cys Trp Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7568) Cys Glu Trp Cys Trp Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7569) Cys Glu Trp Cys Trp Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7570) Cys Glu Trp Cys Trp Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7571) Cys Glu Trp Cys Trp Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7572) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7573) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7574) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7575) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7576) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7577) Cys Glu Trp Cys Tyr Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7578) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7579) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7580) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7581) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7582) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7583) Cys Glu Trp Cys Tyr Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7584) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7585) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7586) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7587) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7588) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7589) Cys Glu Trp Cys Tyr Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7590) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7591) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7592) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7593) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7594) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7595) Cys Glu Trp Cys Tyr Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7596) Cys Glu Trp Cys Val Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7597) Cys Glu Trp Cys Val Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7598) Cys Glu Trp Cys Val Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7599) Cys Glu Trp Cys Val Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7600) Cys Glu Trp Cys Val Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7601) Cys Glu Trp Cys Val Asn Pro Ala Cys Gly Ala Cys

FIG. 3

(SEQ ID NO: 7602) Cys Glu Trp Cys Val Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7603) Cys Glu Trp Cys Val Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7604) Cys Glu Trp Cys Val Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7605) Cys Glu Trp Cys Val Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7606) Cys Glu Trp Cys Val Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7607) Cys Glu Trp Cys Val Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7608) Cys Glu Trp Cys Val Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7609) Cys Glu Trp Cys Val Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7610) Cys Glu Trp Cys Val Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7611) Cys Glu Trp Cys Val Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7612) Cys Glu Trp Cys Val Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7613) Cys Glu Trp Cys Val Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7614) Cys Glu Trp Cys Val Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7615) Cys Glu Trp Cys Val Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7616) Cys Glu Trp Cys Val Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7617) Cys Glu Trp Cys Val Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7618) Cys Glu Trp Cys Val Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7619) Cys Glu Trp Cys Val Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7620) Cys Glu Trp Cys --- Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7621) Cys Glu Trp Cys --- Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7622) Cys Glu Trp Cys --- Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7623) Cys Glu Trp Cys --- Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7624) Cys Glu Trp Cys --- Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7625) Cys Glu Trp Cys --- Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7626) Cys Glu Trp Cys --- Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7627) Cys Glu Trp Cys --- Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7628) Cys Glu Trp Cys --- Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7629) Cys Glu Trp Cys --- Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7630) Cys Glu Trp Cys --- Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7631) Cys Glu Trp Cys --- Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7632) Cys Glu Trp Cys --- Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7633) Cys Glu Trp Cys --- Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7634) Cys Glu Trp Cys --- Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7635) Cys Glu Trp Cys --- Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7636) Cys Glu Trp Cys --- Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7637) Cys Glu Trp Cys --- Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7638) Cys Glu Trp Cys --- Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7639) Cys Glu Trp Cys --- Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7640) Cys Glu Trp Cys --- Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7641) Cys Glu Trp Cys --- Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7642) Cys Glu Trp Cys --- Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7643) Cys Glu Trp Cys --- Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7644) Cys Glu Phe Cys Ala Asn Pro Ala Cys Thr Gly Cys

FIG. 3

(SEQ ID NO: 7645) Cys Glu Phe Cys Ala Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 7646) Cys Glu Phe Cys Ala Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7647) Cys Glu Phe Cys Ala Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7648) Cys Glu Phe Cys Ala Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7649) Cys Glu Phe Cys Ala Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7650) Cys Glu Phe Cys Ala Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7651) Cys Glu Phe Cys Ala Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7652) Cys Glu Phe Cys Ala Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 7653) Cys Glu Phe Cys Ala Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 7654) Cys Glu Phe Cys Ala Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 7655) Cys Glu Phe Cys Ala Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 7656) Cys Glu Phe Cys Ala Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 7657) Cys Glu Phe Cys Ala Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 7658) Cys Glu Phe Cys Ala Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 7659) Cys Glu Phe Cys Ala Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 7660) Cys Glu Phe Cys Ala Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 7661) Cys Glu Phe Cys Ala Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 7662) Cys Glu Phe Cys Ala Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 7663) Cys Glu Phe Cys Ala Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 7664) Cys Glu Phe Cys Ala Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 7665) Cys Glu Phe Cys Ala Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 7666) Cys Glu Phe Cys Ala Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 7667) Cys Glu Phe Cys Ala Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 7668) Cys Glu Phe Cys Arg Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 7669) Cys Glu Phe Cys Arg Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 7670) Cys Glu Phe Cys Arg Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7671) Cys Glu Phe Cys Arg Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7672) Cys Glu Phe Cys Arg Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7673) Cys Glu Phe Cys Arg Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7674) Cys Glu Phe Cys Arg Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7675) Cys Glu Phe Cys Arg Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7676) Cys Glu Phe Cys Arg Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 7677) Cys Glu Phe Cys Arg Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 7678) Cys Glu Phe Cys Arg Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 7679) Cys Glu Phe Cys Arg Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 7680) Cys Glu Phe Cys Arg Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 7681) Cys Glu Phe Cys Arg Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 7682) Cys Glu Phe Cys Arg Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 7683) Cys Glu Phe Cys Arg Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 7684) Cys Glu Phe Cys Arg Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 7685) Cys Glu Phe Cys Arg Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 7686) Cys Glu Phe Cys Arg Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 7687) Cys Glu Phe Cys Arg Asn Gly Thr Cys Thr Ala Cys

FIG. 3

(SEQ ID NO: 7688) Cys Glu Phe Cys Arg Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7689) Cys Glu Phe Cys Arg Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7690) Cys Glu Phe Cys Arg Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7691) Cys Glu Phe Cys Arg Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7692) Cys Glu Phe Cys Asn Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7693) Cys Glu Phe Cys Asn Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7694) Cys Glu Phe Cys Asn Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7695) Cys Glu Phe Cys Asn Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7696) Cys Glu Phe Cys Asn Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7697) Cys Glu Phe Cys Asn Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7698) Cys Glu Phe Cys Asn Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7699) Cys Glu Phe Cys Asn Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7700) Cys Glu Phe Cys Asn Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7701) Cys Glu Phe Cys Asn Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7702) Cys Glu Phe Cys Asn Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7703) Cys Glu Phe Cys Asn Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7704) Cys Glu Phe Cys Asn Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7705) Cys Glu Phe Cys Asn Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7706) Cys Glu Phe Cys Asn Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7707) Cys Glu Phe Cys Asn Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7708) Cys Glu Phe Cys Asn Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7709) Cys Glu Phe Cys Asn Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7710) Cys Glu Phe Cys Asn Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7711) Cys Glu Phe Cys Asn Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7712) Cys Glu Phe Cys Asn Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7713) Cys Glu Phe Cys Asn Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7714) Cys Glu Phe Cys Asn Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7715) Cys Glu Phe Cys Asn Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7716) Cys Glu Phe Cys Asp Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7717) Cys Glu Phe Cys Asp Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7718) Cys Glu Phe Cys Asp Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7719) Cys Glu Phe Cys Asp Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7720) Cys Glu Phe Cys Asp Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7721) Cys Glu Phe Cys Asp Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7722) Cys Glu Phe Cys Asp Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7723) Cys Glu Phe Cys Asp Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7724) Cys Glu Phe Cys Asp Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7725) Cys Glu Phe Cys Asp Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7726) Cys Glu Phe Cys Asp Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7727) Cys Glu Phe Cys Asp Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7728) Cys Glu Phe Cys Asp Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7729) Cys Glu Phe Cys Asp Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7730) Cys Glu Phe Cys Asp Asn Gly Ala Cys Val Gly Cys

FIG. 3

(SEQ ID NO: 7731) Cys Glu Phe Cys Asp Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7732) Cys Glu Phe Cys Asp Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7733) Cys Glu Phe Cys Asp Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7734) Cys Glu Phe Cys Asp Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7735) Cys Glu Phe Cys Asp Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7736) Cys Glu Phe Cys Asp Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7737) Cys Glu Phe Cys Asp Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7738) Cys Glu Phe Cys Asp Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7739) Cys Glu Phe Cys Asp Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7740) Cys Glu Phe Cys Gln Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7741) Cys Glu Phe Cys Gln Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7742) Cys Glu Phe Cys Gln Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7743) Cys Glu Phe Cys Gln Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7744) Cys Glu Phe Cys Gln Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7745) Cys Glu Phe Cys Gln Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7746) Cys Glu Phe Cys Gln Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7747) Cys Glu Phe Cys Gln Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7748) Cys Glu Phe Cys Gln Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7749) Cys Glu Phe Cys Gln Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7750) Cys Glu Phe Cys Gln Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7751) Cys Glu Phe Cys Gln Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7752) Cys Glu Phe Cys Gln Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7753) Cys Glu Phe Cys Gln Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7754) Cys Glu Phe Cys Gln Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7755) Cys Glu Phe Cys Gln Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7756) Cys Glu Phe Cys Gln Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7757) Cys Glu Phe Cys Gln Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7758) Cys Glu Phe Cys Gln Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7759) Cys Glu Phe Cys Gln Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7760) Cys Glu Phe Cys Gln Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7761) Cys Glu Phe Cys Gln Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7762) Cys Glu Phe Cys Gln Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7763) Cys Glu Phe Cys Gln Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7764) Cys Glu Phe Cys Glu Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7765) Cys Glu Phe Cys Glu Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7766) Cys Glu Phe Cys Glu Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7767) Cys Glu Phe Cys Glu Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7768) Cys Glu Phe Cys Glu Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7769) Cys Glu Phe Cys Glu Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7770) Cys Glu Phe Cys Glu Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7771) Cys Glu Phe Cys Glu Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7772) Cys Glu Phe Cys Glu Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7773) Cys Glu Phe Cys Glu Asn Pro Thr Cys Val Ala Cys

FIG. 3

(SEQ ID NO: 7774) Cys Glu Phe Cys Glu Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7775) Cys Glu Phe Cys Glu Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7776) Cys Glu Phe Cys Glu Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7777) Cys Glu Phe Cys Glu Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7778) Cys Glu Phe Cys Glu Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7779) Cys Glu Phe Cys Glu Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7780) Cys Glu Phe Cys Glu Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7781) Cys Glu Phe Cys Glu Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7782) Cys Glu Phe Cys Glu Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7783) Cys Glu Phe Cys Glu Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7784) Cys Glu Phe Cys Glu Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7785) Cys Glu Phe Cys Glu Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7786) Cys Glu Phe Cys Glu Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7787) Cys Glu Phe Cys Glu Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7788) Cys Glu Phe Cys Gly Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7789) Cys Glu Phe Cys Gly Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7790) Cys Glu Phe Cys Gly Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7791) Cys Glu Phe Cys Gly Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7792) Cys Glu Phe Cys Gly Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7793) Cys Glu Phe Cys Gly Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7794) Cys Glu Phe Cys Gly Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7795) Cys Glu Phe Cys Gly Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7796) Cys Glu Phe Cys Gly Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7797) Cys Glu Phe Cys Gly Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7798) Cys Glu Phe Cys Gly Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7799) Cys Glu Phe Cys Gly Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7800) Cys Glu Phe Cys Gly Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7801) Cys Glu Phe Cys Gly Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7802) Cys Glu Phe Cys Gly Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7803) Cys Glu Phe Cys Gly Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7804) Cys Glu Phe Cys Gly Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7805) Cys Glu Phe Cys Gly Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7806) Cys Glu Phe Cys Gly Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7807) Cys Glu Phe Cys Gly Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7808) Cys Glu Phe Cys Gly Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7809) Cys Glu Phe Cys Gly Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7810) Cys Glu Phe Cys Gly Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7811) Cys Glu Phe Cys Gly Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7812) Cys Glu Phe Cys His Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7813) Cys Glu Phe Cys His Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7814) Cys Glu Phe Cys His Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7815) Cys Glu Phe Cys His Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7816) Cys Glu Phe Cys His Asn Pro Ala Cys Gly Gly Cys

FIG. 3

(SEQ ID NO: 7817) Cys Glu Phe Cys His Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7818) Cys Glu Phe Cys His Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7819) Cys Glu Phe Cys His Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7820) Cys Glu Phe Cys His Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7821) Cys Glu Phe Cys His Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7822) Cys Glu Phe Cys His Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7823) Cys Glu Phe Cys His Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7824) Cys Glu Phe Cys His Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7825) Cys Glu Phe Cys His Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7826) Cys Glu Phe Cys His Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7827) Cys Glu Phe Cys His Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7828) Cys Glu Phe Cys His Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7829) Cys Glu Phe Cys His Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7830) Cys Glu Phe Cys His Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7831) Cys Glu Phe Cys His Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7832) Cys Glu Phe Cys His Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7833) Cys Glu Phe Cys His Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7834) Cys Glu Phe Cys His Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7835) Cys Glu Phe Cys His Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7836) Cys Glu Phe Cys Ile Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7837) Cys Glu Phe Cys Ile Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7838) Cys Glu Phe Cys Ile Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7839) Cys Glu Phe Cys Ile Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7840) Cys Glu Phe Cys Ile Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7841) Cys Glu Phe Cys Ile Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7842) Cys Glu Phe Cys Ile Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7843) Cys Glu Phe Cys Ile Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7844) Cys Glu Phe Cys Ile Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7845) Cys Glu Phe Cys Ile Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7846) Cys Glu Phe Cys Ile Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7847) Cys Glu Phe Cys Ile Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7848) Cys Glu Phe Cys Ile Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7849) Cys Glu Phe Cys Ile Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7850) Cys Glu Phe Cys Ile Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7851) Cys Glu Phe Cys Ile Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7852) Cys Glu Phe Cys Ile Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7853) Cys Glu Phe Cys Ile Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7854) Cys Glu Phe Cys Ile Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7855) Cys Glu Phe Cys Ile Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7856) Cys Glu Phe Cys Ile Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7857) Cys Glu Phe Cys Ile Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7858) Cys Glu Phe Cys Ile Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7859) Cys Glu Phe Cys Ile Asn Gly Thr Cys Gly Ala Cys

FIG. 3

(SEQ ID NO: 7860) Cys Glu Phe Cys Leu Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7861) Cys Glu Phe Cys Leu Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7862) Cys Glu Phe Cys Leu Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7863) Cys Glu Phe Cys Leu Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7864) Cys Glu Phe Cys Leu Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7865) Cys Glu Phe Cys Leu Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7866) Cys Glu Phe Cys Leu Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7867) Cys Glu Phe Cys Leu Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7868) Cys Glu Phe Cys Leu Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7869) Cys Glu Phe Cys Leu Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7870) Cys Glu Phe Cys Leu Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7871) Cys Glu Phe Cys Leu Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7872) Cys Glu Phe Cys Leu Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7873) Cys Glu Phe Cys Leu Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7874) Cys Glu Phe Cys Leu Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7875) Cys Glu Phe Cys Leu Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7876) Cys Glu Phe Cys Leu Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7877) Cys Glu Phe Cys Leu Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7878) Cys Glu Phe Cys Leu Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7879) Cys Glu Phe Cys Leu Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7880) Cys Glu Phe Cys Leu Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7881) Cys Glu Phe Cys Leu Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7882) Cys Glu Phe Cys Leu Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7883) Cys Glu Phe Cys Leu Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7884) Cys Glu Phe Cys Lys Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7885) Cys Glu Phe Cys Lys Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7886) Cys Glu Phe Cys Lys Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7887) Cys Glu Phe Cys Lys Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7888) Cys Glu Phe Cys Lys Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7889) Cys Glu Phe Cys Lys Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7890) Cys Glu Phe Cys Lys Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7891) Cys Glu Phe Cys Lys Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7892) Cys Glu Phe Cys Lys Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7893) Cys Glu Phe Cys Lys Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7894) Cys Glu Phe Cys Lys Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7895) Cys Glu Phe Cys Lys Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7896) Cys Glu Phe Cys Lys Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7897) Cys Glu Phe Cys Lys Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7898) Cys Glu Phe Cys Lys Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7899) Cys Glu Phe Cys Lys Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7900) Cys Glu Phe Cys Lys Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7901) Cys Glu Phe Cys Lys Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7902) Cys Glu Phe Cys Lys Asn Gly Thr Cys Thr Gly Cys

FIG. 3

(SEQ ID NO: 7903) Cys Glu Phe Cys Lys Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7904) Cys Glu Phe Cys Lys Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7905) Cys Glu Phe Cys Lys Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7906) Cys Glu Phe Cys Lys Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7907) Cys Glu Phe Cys Lys Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7908) Cys Glu Phe Cys Met Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7909) Cys Glu Phe Cys Met Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7910) Cys Glu Phe Cys Met Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7911) Cys Glu Phe Cys Met Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7912) Cys Glu Phe Cys Met Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7913) Cys Glu Phe Cys Met Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7914) Cys Glu Phe Cys Met Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7915) Cys Glu Phe Cys Met Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7916) Cys Glu Phe Cys Met Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7917) Cys Glu Phe Cys Met Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7918) Cys Glu Phe Cys Met Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7919) Cys Glu Phe Cys Met Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7920) Cys Glu Phe Cys Met Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7921) Cys Glu Phe Cys Met Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7922) Cys Glu Phe Cys Met Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7923) Cys Glu Phe Cys Met Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7924) Cys Glu Phe Cys Met Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7925) Cys Glu Phe Cys Met Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7926) Cys Glu Phe Cys Met Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7927) Cys Glu Phe Cys Met Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 7928) Cys Glu Phe Cys Met Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 7929) Cys Glu Phe Cys Met Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 7930) Cys Glu Phe Cys Met Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 7931) Cys Glu Phe Cys Met Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 7932) Cys Glu Phe Cys Phe Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 7933) Cys Glu Phe Cys Phe Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 7934) Cys Glu Phe Cys Phe Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 7935) Cys Glu Phe Cys Phe Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 7936) Cys Glu Phe Cys Phe Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 7937) Cys Glu Phe Cys Phe Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 7938) Cys Glu Phe Cys Phe Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 7939) Cys Glu Phe Cys Phe Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 7940) Cys Glu Phe Cys Phe Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 7941) Cys Glu Phe Cys Phe Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7942) Cys Glu Phe Cys Phe Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7943) Cys Glu Phe Cys Phe Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7944) Cys Glu Phe Cys Phe Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7945) Cys Glu Phe Cys Phe Asn Gly Ala Cys Thr Ala Cys

FIG. 3

(SEQ ID NO: 7946) Cys Glu Phe Cys Phe Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 7947) Cys Glu Phe Cys Phe Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 7948) Cys Glu Phe Cys Phe Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 7949) Cys Glu Phe Cys Phe Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 7950) Cys Glu Phe Cys Phe Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 7951) Cys Glu Phe Cys Phe Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 7952) Cys Glu Phe Cys Phe Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 7953) Cys Glu Phe Cys Phe Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 7954) Cys Glu Phe Cys Phe Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 7955) Cys Glu Phe Cys Phe Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 7956) Cys Glu Phe Cys Pro Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 7957) Cys Glu Phe Cys Pro Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 7958) Cys Glu Phe Cys Pro Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7959) Cys Glu Phe Cys Pro Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7960) Cys Glu Phe Cys Pro Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7961) Cys Glu Phe Cys Pro Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7962) Cys Glu Phe Cys Pro Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7963) Cys Glu Phe Cys Pro Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7964) Cys Glu Phe Cys Pro Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 7965) Cys Glu Phe Cys Pro Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 7966) Cys Glu Phe Cys Pro Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 7967) Cys Glu Phe Cys Pro Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 7968) Cys Glu Phe Cys Pro Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 7969) Cys Glu Phe Cys Pro Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 7970) Cys Glu Phe Cys Pro Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 7971) Cys Glu Phe Cys Pro Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 7972) Cys Glu Phe Cys Pro Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 7973) Cys Glu Phe Cys Pro Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 7974) Cys Glu Phe Cys Pro Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 7975) Cys Glu Phe Cys Pro Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 7976) Cys Glu Phe Cys Pro Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 7977) Cys Glu Phe Cys Pro Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 7978) Cys Glu Phe Cys Pro Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 7979) Cys Glu Phe Cys Pro Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 7980) Cys Glu Phe Cys Ser Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 7981) Cys Glu Phe Cys Ser Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 7982) Cys Glu Phe Cys Ser Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 7983) Cys Glu Phe Cys Ser Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 7984) Cys Glu Phe Cys Ser Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 7985) Cys Glu Phe Cys Ser Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 7986) Cys Glu Phe Cys Ser Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 7987) Cys Glu Phe Cys Ser Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 7988) Cys Glu Phe Cys Ser Asn Pro Thr Cys Val Gly Cys

FIG. 3

(SEQ ID NO: 7989) Cys Glu Phe Cys Ser Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 7990) Cys Glu Phe Cys Ser Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 7991) Cys Glu Phe Cys Ser Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 7992) Cys Glu Phe Cys Ser Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 7993) Cys Glu Phe Cys Ser Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 7994) Cys Glu Phe Cys Ser Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 7995) Cys Glu Phe Cys Ser Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 7996) Cys Glu Phe Cys Ser Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 7997) Cys Glu Phe Cys Ser Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 7998) Cys Glu Phe Cys Ser Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 7999) Cys Glu Phe Cys Ser Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8000) Cys Glu Phe Cys Ser Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8001) Cys Glu Phe Cys Ser Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8002) Cys Glu Phe Cys Ser Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8003) Cys Glu Phe Cys Ser Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8004) Cys Glu Phe Cys Thr Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8005) Cys Glu Phe Cys Thr Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8006) Cys Glu Phe Cys Thr Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8007) Cys Glu Phe Cys Thr Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8008) Cys Glu Phe Cys Thr Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8009) Cys Glu Phe Cys Thr Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8010) Cys Glu Phe Cys Thr Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8011) Cys Glu Phe Cys Thr Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8012) Cys Glu Phe Cys Thr Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8013) Cys Glu Phe Cys Thr Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8014) Cys Glu Phe Cys Thr Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8015) Cys Glu Phe Cys Thr Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8016) Cys Glu Phe Cys Thr Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8017) Cys Glu Phe Cys Thr Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8018) Cys Glu Phe Cys Thr Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8019) Cys Glu Phe Cys Thr Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8020) Cys Glu Phe Cys Thr Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8021) Cys Glu Phe Cys Thr Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8022) Cys Glu Phe Cys Thr Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8023) Cys Glu Phe Cys Thr Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8024) Cys Glu Phe Cys Thr Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8025) Cys Glu Phe Cys Thr Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8026) Cys Glu Phe Cys Thr Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8027) Cys Glu Phe Cys Thr Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8028) Cys Glu Phe Cys Trp Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8029) Cys Glu Phe Cys Trp Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8030) Cys Glu Phe Cys Trp Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8031) Cys Glu Phe Cys Trp Asn Pro Ala Cys Val Ala Cys

FIG. 3

(SEQ ID NO: 8032) Cys Glu Phe Cys Trp Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8033) Cys Glu Phe Cys Trp Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8034) Cys Glu Phe Cys Trp Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8035) Cys Glu Phe Cys Trp Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8036) Cys Glu Phe Cys Trp Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8037) Cys Glu Phe Cys Trp Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8038) Cys Glu Phe Cys Trp Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8039) Cys Glu Phe Cys Trp Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8040) Cys Glu Phe Cys Trp Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8041) Cys Glu Phe Cys Trp Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8042) Cys Glu Phe Cys Trp Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8043) Cys Glu Phe Cys Trp Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8044) Cys Glu Phe Cys Trp Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8045) Cys Glu Phe Cys Trp Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8046) Cys Glu Phe Cys Trp Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8047) Cys Glu Phe Cys Trp Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8048) Cys Glu Phe Cys Trp Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8049) Cys Glu Phe Cys Trp Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8050) Cys Glu Phe Cys Trp Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8051) Cys Glu Phe Cys Trp Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8052) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8053) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8054) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8055) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8056) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8057) Cys Glu Phe Cys Tyr Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8058) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8059) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8060) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8061) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8062) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8063) Cys Glu Phe Cys Tyr Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8064) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8065) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8066) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8067) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8068) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8069) Cys Glu Phe Cys Tyr Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8070) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8071) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8072) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8073) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8074) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Gly Gly Cys

FIG. 3

(SEQ ID NO: 8075) Cys Glu Phe Cys Tyr Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8076) Cys Glu Phe Cys Val Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8077) Cys Glu Phe Cys Val Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8078) Cys Glu Phe Cys Val Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8079) Cys Glu Phe Cys Val Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8080) Cys Glu Phe Cys Val Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8081) Cys Glu Phe Cys Val Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8082) Cys Glu Phe Cys Val Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8083) Cys Glu Phe Cys Val Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8084) Cys Glu Phe Cys Val Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8085) Cys Glu Phe Cys Val Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8086) Cys Glu Phe Cys Val Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8087) Cys Glu Phe Cys Val Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8088) Cys Glu Phe Cys Val Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8089) Cys Glu Phe Cys Val Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8090) Cys Glu Phe Cys Val Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8091) Cys Glu Phe Cys Val Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8092) Cys Glu Phe Cys Val Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8093) Cys Glu Phe Cys Val Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8094) Cys Glu Phe Cys Val Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8095) Cys Glu Phe Cys Val Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8096) Cys Glu Phe Cys Val Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8097) Cys Glu Phe Cys Val Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8098) Cys Glu Phe Cys Val Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8099) Cys Glu Phe Cys Val Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8100) Cys Glu Phe Cys --- Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8101) Cys Glu Phe Cys --- Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8102) Cys Glu Phe Cys --- Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8103) Cys Glu Phe Cys --- Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8104) Cys Glu Phe Cys --- Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8105) Cys Glu Phe Cys --- Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8106) Cys Glu Phe Cys --- Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8107) Cys Glu Phe Cys --- Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8108) Cys Glu Phe Cys --- Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8109) Cys Glu Phe Cys --- Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8110) Cys Glu Phe Cys --- Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8111) Cys Glu Phe Cys --- Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8112) Cys Glu Phe Cys --- Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8113) Cys Glu Phe Cys --- Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8114) Cys Glu Phe Cys --- Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8115) Cys Glu Phe Cys --- Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8116) Cys Glu Phe Cys --- Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8117) Cys Glu Phe Cys --- Asn Gly Ala Cys Gly Ala Cys

FIG. 3

(SEQ ID NO: 8118) Cys Glu Phe Cys --- Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8119) Cys Glu Phe Cys --- Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8120) Cys Glu Phe Cys --- Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8121) Cys Glu Phe Cys --- Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8122) Cys Glu Phe Cys --- Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8123) Cys Glu Phe Cys --- Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8124) Cys Glu Leu Cys Ala Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8125) Cys Glu Leu Cys Ala Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8126) Cys Glu Leu Cys Ala Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8127) Cys Glu Leu Cys Ala Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8128) Cys Glu Leu Cys Ala Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8129) Cys Glu Leu Cys Ala Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8130) Cys Glu Leu Cys Ala Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8131) Cys Glu Leu Cys Ala Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8132) Cys Glu Leu Cys Ala Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8133) Cys Glu Leu Cys Ala Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8134) Cys Glu Leu Cys Ala Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8135) Cys Glu Leu Cys Ala Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8136) Cys Glu Leu Cys Ala Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8137) Cys Glu Leu Cys Ala Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8138) Cys Glu Leu Cys Ala Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8139) Cys Glu Leu Cys Ala Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8140) Cys Glu Leu Cys Ala Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8141) Cys Glu Leu Cys Ala Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8142) Cys Glu Leu Cys Ala Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8143) Cys Glu Leu Cys Ala Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8144) Cys Glu Leu Cys Ala Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8145) Cys Glu Leu Cys Ala Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8146) Cys Glu Leu Cys Ala Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8147) Cys Glu Leu Cys Ala Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8148) Cys Glu Leu Cys Arg Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8149) Cys Glu Leu Cys Arg Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8150) Cys Glu Leu Cys Arg Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8151) Cys Glu Leu Cys Arg Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8152) Cys Glu Leu Cys Arg Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8153) Cys Glu Leu Cys Arg Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8154) Cys Glu Leu Cys Arg Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8155) Cys Glu Leu Cys Arg Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8156) Cys Glu Leu Cys Arg Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8157) Cys Glu Leu Cys Arg Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8158) Cys Glu Leu Cys Arg Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8159) Cys Glu Leu Cys Arg Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8160) Cys Glu Leu Cys Arg Asn Gly Ala Cys Thr Gly Cys

FIG. 3

(SEQ ID NO: 8161) Cys Glu Leu Cys Arg Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8162) Cys Glu Leu Cys Arg Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8163) Cys Glu Leu Cys Arg Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8164) Cys Glu Leu Cys Arg Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8165) Cys Glu Leu Cys Arg Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8166) Cys Glu Leu Cys Arg Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8167) Cys Glu Leu Cys Arg Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8168) Cys Glu Leu Cys Arg Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8169) Cys Glu Leu Cys Arg Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8170) Cys Glu Leu Cys Arg Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8171) Cys Glu Leu Cys Arg Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8172) Cys Glu Leu Cys Asn Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8173) Cys Glu Leu Cys Asn Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8174) Cys Glu Leu Cys Asn Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8175) Cys Glu Leu Cys Asn Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8176) Cys Glu Leu Cys Asn Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8177) Cys Glu Leu Cys Asn Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8178) Cys Glu Leu Cys Asn Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8179) Cys Glu Leu Cys Asn Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8180) Cys Glu Leu Cys Asn Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8181) Cys Glu Leu Cys Asn Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8182) Cys Glu Leu Cys Asn Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8183) Cys Glu Leu Cys Asn Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8184) Cys Glu Leu Cys Asn Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8185) Cys Glu Leu Cys Asn Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8186) Cys Glu Leu Cys Asn Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8187) Cys Glu Leu Cys Asn Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8188) Cys Glu Leu Cys Asn Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8189) Cys Glu Leu Cys Asn Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8190) Cys Glu Leu Cys Asn Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8191) Cys Glu Leu Cys Asn Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8192) Cys Glu Leu Cys Asn Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8193) Cys Glu Leu Cys Asn Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8194) Cys Glu Leu Cys Asn Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8195) Cys Glu Leu Cys Asn Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8196) Cys Glu Leu Cys Asp Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8197) Cys Glu Leu Cys Asp Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8198) Cys Glu Leu Cys Asp Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8199) Cys Glu Leu Cys Asp Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8200) Cys Glu Leu Cys Asp Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8201) Cys Glu Leu Cys Asp Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8202) Cys Glu Leu Cys Asp Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8203) Cys Glu Leu Cys Asp Asn Pro Thr Cys Thr Ala Cys

FIG. 3

(SEQ ID NO: 8204) Cys Glu Leu Cys Asp Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8205) Cys Glu Leu Cys Asp Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8206) Cys Glu Leu Cys Asp Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8207) Cys Glu Leu Cys Asp Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8208) Cys Glu Leu Cys Asp Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8209) Cys Glu Leu Cys Asp Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8210) Cys Glu Leu Cys Asp Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8211) Cys Glu Leu Cys Asp Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8212) Cys Glu Leu Cys Asp Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8213) Cys Glu Leu Cys Asp Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8214) Cys Glu Leu Cys Asp Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8215) Cys Glu Leu Cys Asp Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8216) Cys Glu Leu Cys Asp Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8217) Cys Glu Leu Cys Asp Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8218) Cys Glu Leu Cys Asp Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8219) Cys Glu Leu Cys Asp Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8220) Cys Glu Leu Cys Gln Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8221) Cys Glu Leu Cys Gln Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8222) Cys Glu Leu Cys Gln Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8223) Cys Glu Leu Cys Gln Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8224) Cys Glu Leu Cys Gln Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8225) Cys Glu Leu Cys Gln Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8226) Cys Glu Leu Cys Gln Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8227) Cys Glu Leu Cys Gln Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8228) Cys Glu Leu Cys Gln Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8229) Cys Glu Leu Cys Gln Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8230) Cys Glu Leu Cys Gln Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8231) Cys Glu Leu Cys Gln Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8232) Cys Glu Leu Cys Gln Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8233) Cys Glu Leu Cys Gln Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8234) Cys Glu Leu Cys Gln Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8235) Cys Glu Leu Cys Gln Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8236) Cys Glu Leu Cys Gln Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8237) Cys Glu Leu Cys Gln Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8238) Cys Glu Leu Cys Gln Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8239) Cys Glu Leu Cys Gln Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8240) Cys Glu Leu Cys Gln Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8241) Cys Glu Leu Cys Gln Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8242) Cys Glu Leu Cys Gln Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8243) Cys Glu Leu Cys Gln Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8244) Cys Glu Leu Cys Glu Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8245) Cys Glu Leu Cys Glu Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8246) Cys Glu Leu Cys Glu Asn Pro Ala Cys Val Gly Cys

FIG. 3

(SEQ ID NO: 8247) Cys Glu Leu Cys Glu Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 8248) Cys Glu Leu Cys Glu Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 8249) Cys Glu Leu Cys Glu Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 8250) Cys Glu Leu Cys Glu Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 8251) Cys Glu Leu Cys Glu Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 8252) Cys Glu Leu Cys Glu Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 8253) Cys Glu Leu Cys Glu Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 8254) Cys Glu Leu Cys Glu Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 8255) Cys Glu Leu Cys Glu Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 8256) Cys Glu Leu Cys Glu Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 8257) Cys Glu Leu Cys Glu Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 8258) Cys Glu Leu Cys Glu Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 8259) Cys Glu Leu Cys Glu Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 8260) Cys Glu Leu Cys Glu Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 8261) Cys Glu Leu Cys Glu Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 8262) Cys Glu Leu Cys Glu Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 8263) Cys Glu Leu Cys Glu Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 8264) Cys Glu Leu Cys Glu Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 8265) Cys Glu Leu Cys Glu Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 8266) Cys Glu Leu Cys Glu Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 8267) Cys Glu Leu Cys Glu Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 8268) Cys Glu Leu Cys Gly Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 8269) Cys Glu Leu Cys Gly Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 8270) Cys Glu Leu Cys Gly Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 8271) Cys Glu Leu Cys Gly Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 8272) Cys Glu Leu Cys Gly Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 8273) Cys Glu Leu Cys Gly Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 8274) Cys Glu Leu Cys Gly Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 8275) Cys Glu Leu Cys Gly Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 8276) Cys Glu Leu Cys Gly Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 8277) Cys Glu Leu Cys Gly Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 8278) Cys Glu Leu Cys Gly Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 8279) Cys Glu Leu Cys Gly Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 8280) Cys Glu Leu Cys Gly Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 8281) Cys Glu Leu Cys Gly Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 8282) Cys Glu Leu Cys Gly Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 8283) Cys Glu Leu Cys Gly Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 8284) Cys Glu Leu Cys Gly Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 8285) Cys Glu Leu Cys Gly Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 8286) Cys Glu Leu Cys Gly Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 8287) Cys Glu Leu Cys Gly Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 8288) Cys Glu Leu Cys Gly Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 8289) Cys Glu Leu Cys Gly Asn Gly Thr Cys Val Ala Cys

FIG. 3

(SEQ ID NO: 8290) Cys Glu Leu Cys Gly Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8291) Cys Glu Leu Cys Gly Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8292) Cys Glu Leu Cys His Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8293) Cys Glu Leu Cys His Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8294) Cys Glu Leu Cys His Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8295) Cys Glu Leu Cys His Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8296) Cys Glu Leu Cys His Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8297) Cys Glu Leu Cys His Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8298) Cys Glu Leu Cys His Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8299) Cys Glu Leu Cys His Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8300) Cys Glu Leu Cys His Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8301) Cys Glu Leu Cys His Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8302) Cys Glu Leu Cys His Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8303) Cys Glu Leu Cys His Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8304) Cys Glu Leu Cys His Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8305) Cys Glu Leu Cys His Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8306) Cys Glu Leu Cys His Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8307) Cys Glu Leu Cys His Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8308) Cys Glu Leu Cys His Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8309) Cys Glu Leu Cys His Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8310) Cys Glu Leu Cys His Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8311) Cys Glu Leu Cys His Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8312) Cys Glu Leu Cys His Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8313) Cys Glu Leu Cys His Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8314) Cys Glu Leu Cys His Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8315) Cys Glu Leu Cys His Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8316) Cys Glu Leu Cys Ile Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8317) Cys Glu Leu Cys Ile Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8318) Cys Glu Leu Cys Ile Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8319) Cys Glu Leu Cys Ile Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8320) Cys Glu Leu Cys Ile Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8321) Cys Glu Leu Cys Ile Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8322) Cys Glu Leu Cys Ile Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8323) Cys Glu Leu Cys Ile Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8324) Cys Glu Leu Cys Ile Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8325) Cys Glu Leu Cys Ile Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8326) Cys Glu Leu Cys Ile Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8327) Cys Glu Leu Cys Ile Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8328) Cys Glu Leu Cys Ile Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8329) Cys Glu Leu Cys Ile Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8330) Cys Glu Leu Cys Ile Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8331) Cys Glu Leu Cys Ile Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8332) Cys Glu Leu Cys Ile Asn Gly Ala Cys Gly Gly Cys

FIG. 3

(SEQ ID NO: 8333) Cys Glu Leu Cys Ile Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8334) Cys Glu Leu Cys Ile Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8335) Cys Glu Leu Cys Ile Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8336) Cys Glu Leu Cys Ile Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8337) Cys Glu Leu Cys Ile Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8338) Cys Glu Leu Cys Ile Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8339) Cys Glu Leu Cys Ile Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8340) Cys Glu Leu Cys Leu Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8341) Cys Glu Leu Cys Leu Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8342) Cys Glu Leu Cys Leu Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8343) Cys Glu Leu Cys Leu Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8344) Cys Glu Leu Cys Leu Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8345) Cys Glu Leu Cys Leu Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8346) Cys Glu Leu Cys Leu Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8347) Cys Glu Leu Cys Leu Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8348) Cys Glu Leu Cys Leu Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8349) Cys Glu Leu Cys Leu Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8350) Cys Glu Leu Cys Leu Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8351) Cys Glu Leu Cys Leu Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8352) Cys Glu Leu Cys Leu Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8353) Cys Glu Leu Cys Leu Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8354) Cys Glu Leu Cys Leu Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8355) Cys Glu Leu Cys Leu Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8356) Cys Glu Leu Cys Leu Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8357) Cys Glu Leu Cys Leu Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8358) Cys Glu Leu Cys Leu Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8359) Cys Glu Leu Cys Leu Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8360) Cys Glu Leu Cys Leu Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8361) Cys Glu Leu Cys Leu Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8362) Cys Glu Leu Cys Leu Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8363) Cys Glu Leu Cys Leu Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8364) Cys Glu Leu Cys Lys Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8365) Cys Glu Leu Cys Lys Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8366) Cys Glu Leu Cys Lys Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8367) Cys Glu Leu Cys Lys Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8368) Cys Glu Leu Cys Lys Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8369) Cys Glu Leu Cys Lys Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8370) Cys Glu Leu Cys Lys Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8371) Cys Glu Leu Cys Lys Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8372) Cys Glu Leu Cys Lys Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8373) Cys Glu Leu Cys Lys Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8374) Cys Glu Leu Cys Lys Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8375) Cys Glu Leu Cys Lys Asn Pro Thr Cys Gly Ala Cys

FIG. 3

(SEQ ID NO: 8376)	Cys Glu Leu Cys Lys Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8377)	Cys Glu Leu Cys Lys Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8378)	Cys Glu Leu Cys Lys Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8379)	Cys Glu Leu Cys Lys Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8380)	Cys Glu Leu Cys Lys Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8381)	Cys Glu Leu Cys Lys Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8382)	Cys Glu Leu Cys Lys Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8383)	Cys Glu Leu Cys Lys Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8384)	Cys Glu Leu Cys Lys Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8385)	Cys Glu Leu Cys Lys Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8386)	Cys Glu Leu Cys Lys Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8387)	Cys Glu Leu Cys Lys Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8388)	Cys Glu Leu Cys Met Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8389)	Cys Glu Leu Cys Met Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8390)	Cys Glu Leu Cys Met Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8391)	Cys Glu Leu Cys Met Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8392)	Cys Glu Leu Cys Met Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8393)	Cys Glu Leu Cys Met Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8394)	Cys Glu Leu Cys Met Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8395)	Cys Glu Leu Cys Met Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8396)	Cys Glu Leu Cys Met Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8397)	Cys Glu Leu Cys Met Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8398)	Cys Glu Leu Cys Met Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8399)	Cys Glu Leu Cys Met Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8400)	Cys Glu Leu Cys Met Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8401)	Cys Glu Leu Cys Met Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8402)	Cys Glu Leu Cys Met Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8403)	Cys Glu Leu Cys Met Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8404)	Cys Glu Leu Cys Met Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8405)	Cys Glu Leu Cys Met Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8406)	Cys Glu Leu Cys Met Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8407)	Cys Glu Leu Cys Met Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8408)	Cys Glu Leu Cys Met Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8409)	Cys Glu Leu Cys Met Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8410)	Cys Glu Leu Cys Met Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8411)	Cys Glu Leu Cys Met Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8412)	Cys Glu Leu Cys Phe Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8413)	Cys Glu Leu Cys Phe Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8414)	Cys Glu Leu Cys Phe Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8415)	Cys Glu Leu Cys Phe Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8416)	Cys Glu Leu Cys Phe Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8417)	Cys Glu Leu Cys Phe Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8418)	Cys Glu Leu Cys Phe Asn Pro Thr Cys Thr Gly Cys

FIG. 3

(SEQ ID NO: 8419) Cys Glu Leu Cys Phe Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8420) Cys Glu Leu Cys Phe Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8421) Cys Glu Leu Cys Phe Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8422) Cys Glu Leu Cys Phe Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8423) Cys Glu Leu Cys Phe Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8424) Cys Glu Leu Cys Phe Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8425) Cys Glu Leu Cys Phe Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8426) Cys Glu Leu Cys Phe Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8427) Cys Glu Leu Cys Phe Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8428) Cys Glu Leu Cys Phe Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8429) Cys Glu Leu Cys Phe Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8430) Cys Glu Leu Cys Phe Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8431) Cys Glu Leu Cys Phe Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8432) Cys Glu Leu Cys Phe Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8433) Cys Glu Leu Cys Phe Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8434) Cys Glu Leu Cys Phe Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8435) Cys Glu Leu Cys Phe Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8436) Cys Glu Leu Cys Pro Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8437) Cys Glu Leu Cys Pro Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8438) Cys Glu Leu Cys Pro Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8439) Cys Glu Leu Cys Pro Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8440) Cys Glu Leu Cys Pro Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8441) Cys Glu Leu Cys Pro Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8442) Cys Glu Leu Cys Pro Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8443) Cys Glu Leu Cys Pro Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8444) Cys Glu Leu Cys Pro Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8445) Cys Glu Leu Cys Pro Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8446) Cys Glu Leu Cys Pro Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8447) Cys Glu Leu Cys Pro Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8448) Cys Glu Leu Cys Pro Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8449) Cys Glu Leu Cys Pro Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8450) Cys Glu Leu Cys Pro Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8451) Cys Glu Leu Cys Pro Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8452) Cys Glu Leu Cys Pro Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8453) Cys Glu Leu Cys Pro Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8454) Cys Glu Leu Cys Pro Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8455) Cys Glu Leu Cys Pro Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8456) Cys Glu Leu Cys Pro Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8457) Cys Glu Leu Cys Pro Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8458) Cys Glu Leu Cys Pro Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8459) Cys Glu Leu Cys Pro Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8460) Cys Glu Leu Cys Ser Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8461) Cys Glu Leu Cys Ser Asn Pro Ala Cys Thr Ala Cys

FIG. 3

(SEQ ID NO: 8462) Cys Glu Leu Cys Ser Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8463) Cys Glu Leu Cys Ser Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8464) Cys Glu Leu Cys Ser Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8465) Cys Glu Leu Cys Ser Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8466) Cys Glu Leu Cys Ser Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8467) Cys Glu Leu Cys Ser Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8468) Cys Glu Leu Cys Ser Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8469) Cys Glu Leu Cys Ser Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8470) Cys Glu Leu Cys Ser Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8471) Cys Glu Leu Cys Ser Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8472) Cys Glu Leu Cys Ser Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8473) Cys Glu Leu Cys Ser Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8474) Cys Glu Leu Cys Ser Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8475) Cys Glu Leu Cys Ser Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8476) Cys Glu Leu Cys Ser Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8477) Cys Glu Leu Cys Ser Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8478) Cys Glu Leu Cys Ser Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8479) Cys Glu Leu Cys Ser Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8480) Cys Glu Leu Cys Ser Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8481) Cys Glu Leu Cys Ser Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8482) Cys Glu Leu Cys Ser Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8483) Cys Glu Leu Cys Ser Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8484) Cys Glu Leu Cys Thr Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8485) Cys Glu Leu Cys Thr Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8486) Cys Glu Leu Cys Thr Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8487) Cys Glu Leu Cys Thr Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8488) Cys Glu Leu Cys Thr Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8489) Cys Glu Leu Cys Thr Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8490) Cys Glu Leu Cys Thr Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8491) Cys Glu Leu Cys Thr Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8492) Cys Glu Leu Cys Thr Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8493) Cys Glu Leu Cys Thr Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8494) Cys Glu Leu Cys Thr Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8495) Cys Glu Leu Cys Thr Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8496) Cys Glu Leu Cys Thr Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8497) Cys Glu Leu Cys Thr Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8498) Cys Glu Leu Cys Thr Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8499) Cys Glu Leu Cys Thr Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8500) Cys Glu Leu Cys Thr Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8501) Cys Glu Leu Cys Thr Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8502) Cys Glu Leu Cys Thr Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8503) Cys Glu Leu Cys Thr Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8504) Cys Glu Leu Cys Thr Asn Gly Thr Cys Val Gly Cys

FIG. 3

(SEQ ID NO: 8505) Cys Glu Leu Cys Thr Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 8506) Cys Glu Leu Cys Thr Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 8507) Cys Glu Leu Cys Thr Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 8508) Cys Glu Leu Cys Trp Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 8509) Cys Glu Leu Cys Trp Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 8510) Cys Glu Leu Cys Trp Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 8511) Cys Glu Leu Cys Trp Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 8512) Cys Glu Leu Cys Trp Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 8513) Cys Glu Leu Cys Trp Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 8514) Cys Glu Leu Cys Trp Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 8515) Cys Glu Leu Cys Trp Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 8516) Cys Glu Leu Cys Trp Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 8517) Cys Glu Leu Cys Trp Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 8518) Cys Glu Leu Cys Trp Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 8519) Cys Glu Leu Cys Trp Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 8520) Cys Glu Leu Cys Trp Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 8521) Cys Glu Leu Cys Trp Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 8522) Cys Glu Leu Cys Trp Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 8523) Cys Glu Leu Cys Trp Asn Gly Ala Cys Val Ala Cys
 (SEQ ID NO: 8524) Cys Glu Leu Cys Trp Asn Gly Ala Cys Gly Gly Cys
 (SEQ ID NO: 8525) Cys Glu Leu Cys Trp Asn Gly Ala Cys Gly Ala Cys
 (SEQ ID NO: 8526) Cys Glu Leu Cys Trp Asn Gly Thr Cys Thr Gly Cys
 (SEQ ID NO: 8527) Cys Glu Leu Cys Trp Asn Gly Thr Cys Thr Ala Cys
 (SEQ ID NO: 8528) Cys Glu Leu Cys Trp Asn Gly Thr Cys Val Gly Cys
 (SEQ ID NO: 8529) Cys Glu Leu Cys Trp Asn Gly Thr Cys Val Ala Cys
 (SEQ ID NO: 8530) Cys Glu Leu Cys Trp Asn Gly Thr Cys Gly Gly Cys
 (SEQ ID NO: 8531) Cys Glu Leu Cys Trp Asn Gly Thr Cys Gly Ala Cys
 (SEQ ID NO: 8532) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Thr Gly Cys
 (SEQ ID NO: 8533) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Thr Ala Cys
 (SEQ ID NO: 8534) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Val Gly Cys
 (SEQ ID NO: 8535) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Val Ala Cys
 (SEQ ID NO: 8536) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Gly Gly Cys
 (SEQ ID NO: 8537) Cys Glu Leu Cys Tyr Asn Pro Ala Cys Gly Ala Cys
 (SEQ ID NO: 8538) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Thr Gly Cys
 (SEQ ID NO: 8539) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Thr Ala Cys
 (SEQ ID NO: 8540) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Val Gly Cys
 (SEQ ID NO: 8541) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Val Ala Cys
 (SEQ ID NO: 8542) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Gly Gly Cys
 (SEQ ID NO: 8543) Cys Glu Leu Cys Tyr Asn Pro Thr Cys Gly Ala Cys
 (SEQ ID NO: 8544) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Thr Gly Cys
 (SEQ ID NO: 8545) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Thr Ala Cys
 (SEQ ID NO: 8546) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Val Gly Cys
 (SEQ ID NO: 8547) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Val Ala Cys

FIG. 3

(SEQ ID NO: 8548) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8549) Cys Glu Leu Cys Tyr Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8550) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8551) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8552) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8553) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8554) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8555) Cys Glu Leu Cys Tyr Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8556) Cys Glu Leu Cys Val Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8557) Cys Glu Leu Cys Val Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8558) Cys Glu Leu Cys Val Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8559) Cys Glu Leu Cys Val Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8560) Cys Glu Leu Cys Val Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8561) Cys Glu Leu Cys Val Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8562) Cys Glu Leu Cys Val Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8563) Cys Glu Leu Cys Val Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8564) Cys Glu Leu Cys Val Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8565) Cys Glu Leu Cys Val Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8566) Cys Glu Leu Cys Val Asn Pro Thr Cys Gly Gly Cys
(SEQ ID NO: 8567) Cys Glu Leu Cys Val Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8568) Cys Glu Leu Cys Val Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8569) Cys Glu Leu Cys Val Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8570) Cys Glu Leu Cys Val Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8571) Cys Glu Leu Cys Val Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8572) Cys Glu Leu Cys Val Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8573) Cys Glu Leu Cys Val Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8574) Cys Glu Leu Cys Val Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8575) Cys Glu Leu Cys Val Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8576) Cys Glu Leu Cys Val Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8577) Cys Glu Leu Cys Val Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8578) Cys Glu Leu Cys Val Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8579) Cys Glu Leu Cys Val Asn Gly Thr Cys Gly Ala Cys
(SEQ ID NO: 8580) Cys Glu Leu Cys --- Asn Pro Ala Cys Thr Gly Cys
(SEQ ID NO: 8581) Cys Glu Leu Cys --- Asn Pro Ala Cys Thr Ala Cys
(SEQ ID NO: 8582) Cys Glu Leu Cys --- Asn Pro Ala Cys Val Gly Cys
(SEQ ID NO: 8583) Cys Glu Leu Cys --- Asn Pro Ala Cys Val Ala Cys
(SEQ ID NO: 8584) Cys Glu Leu Cys --- Asn Pro Ala Cys Gly Gly Cys
(SEQ ID NO: 8585) Cys Glu Leu Cys --- Asn Pro Ala Cys Gly Ala Cys
(SEQ ID NO: 8586) Cys Glu Leu Cys --- Asn Pro Thr Cys Thr Gly Cys
(SEQ ID NO: 8587) Cys Glu Leu Cys --- Asn Pro Thr Cys Thr Ala Cys
(SEQ ID NO: 8588) Cys Glu Leu Cys --- Asn Pro Thr Cys Val Gly Cys
(SEQ ID NO: 8589) Cys Glu Leu Cys --- Asn Pro Thr Cys Val Ala Cys
(SEQ ID NO: 8590) Cys Glu Leu Cys --- Asn Pro Thr Cys Gly Gly Cys

FIG. 3

(SEQ ID NO: 8591) Cys Glu Leu Cys --- Asn Pro Thr Cys Gly Ala Cys
(SEQ ID NO: 8592) Cys Glu Leu Cys --- Asn Gly Ala Cys Thr Gly Cys
(SEQ ID NO: 8593) Cys Glu Leu Cys --- Asn Gly Ala Cys Thr Ala Cys
(SEQ ID NO: 8594) Cys Glu Leu Cys --- Asn Gly Ala Cys Val Gly Cys
(SEQ ID NO: 8595) Cys Glu Leu Cys --- Asn Gly Ala Cys Val Ala Cys
(SEQ ID NO: 8596) Cys Glu Leu Cys --- Asn Gly Ala Cys Gly Gly Cys
(SEQ ID NO: 8597) Cys Glu Leu Cys --- Asn Gly Ala Cys Gly Ala Cys
(SEQ ID NO: 8598) Cys Glu Leu Cys --- Asn Gly Thr Cys Thr Gly Cys
(SEQ ID NO: 8599) Cys Glu Leu Cys --- Asn Gly Thr Cys Thr Ala Cys
(SEQ ID NO: 8600) Cys Glu Leu Cys --- Asn Gly Thr Cys Val Gly Cys
(SEQ ID NO: 8601) Cys Glu Leu Cys --- Asn Gly Thr Cys Val Ala Cys
(SEQ ID NO: 8602) Cys Glu Leu Cys --- Asn Gly Thr Cys Gly Gly Cys
(SEQ ID NO: 8603) Cys Glu Leu Cys --- Asn Gly Thr Cys Gly Ala Cys

FIG. 3
(sheet 90 of 90)

METHODS AND COMPOSITIONS FOR THE TREATMENT OF GASTROINTESTINAL DISORDERS

PRIORITY CLAIM

[0001] This application is a continuation (and claims the benefit of priority under 35 U.S.C. §120) of U.S. patent application Ser. No. 13/291,526 filed Nov. 8, 2011, which is a continuation of U.S. patent application Ser. No. 12/568,107 filed Sep. 28, 2009, which is a continuation of U.S. patent application Ser. No. 10/868,744 filed Jun. 14, 2004 and also claims the benefit of priority under 35 U.S.C. §119 (e) to U.S. Provisional Application Nos. 60/478,492, filed Jun. 13, 2003; 60/532,361 filed Dec. 23, 2003; and 60/571,386 filed May 14, 2004. The disclosure of the prior applications is considered part of (and is incorporated by reference in) the disclosure of this application.

TECHNICAL FIELD

[0002] This invention relates to methods and compositions for treating gastrointestinal disorders, obesity, congestive heart failure, benign prostatic hyperplasia and other disorders.

SEQUENCE LISTING

[0003] This application incorporates by reference in its entirety the Sequence Listing entitled 14184-034001.txt, containing 2,417 kilobytes of data, created Sep. 1, 2006, and filed with parent application U.S. patent application Ser. No. 10/868,744 on Sep. 11, 2006 and incorporated in U.S. patent application Ser. No. 12/568,107 in computer readable-format (CRF) and electronic.txt format.

BACKGROUND

[0004] Irritable bowel syndrome (IBS) is a common chronic disorder of the intestine that affects 20 to 60 million individuals in the US alone (Lehman Brothers, Global Healthcare-Irritable Bowel Syndrome Industry Update, September 1999). IBS is the most common disorder diagnosed by gastroenterologists (28% of patients examined) and accounts for 12% of visits to primary care physicians (Camilleri 2001 *Gastroenterology* 120:652-668). In the US, the economic impact of IBS is estimated at \$25 billion annually, through direct costs of health care use and indirect costs of absenteeism from work (Talley 1995 *Gastroenterology* 109:1736-1741). Patients with IBS have three times more absenteeism from work and report a reduced quality of life. Sufferers may be unable or unwilling to attend social events, maintain employment, or travel even short distances (Drossman 1993 *Dig Dis Sci* 38:1569-1580). There is a tremendous unmet medical need in this population since few prescription options exist to treat IBS.

[0005] Patients with IBS suffer from abdominal pain and a disturbed bowel pattern. Three subgroups of IBS patients have been defined based on the predominant bowel habit: constipation-predominant (c-IBS), diarrhea-predominant (d-IBS) or alternating between the two (a-IBS). Estimates of individuals who suffer from c-IBS range from 20-50% of the IBS patients with 30% frequently cited. In contrast to the other two subgroups that have a similar gender ratio, c-IBS is more common in women (ratio of 3:1) (Talley et al. 1995 *Am J Epidemiol* 142:76-83).

[0006] The definition and diagnostic criteria for IBS have been formalized in the "Rome Criteria" (Drossman et al. 1999 *Gut* 45: Suppl II: 1-81), which are well accepted in clinical practice. However, the complexity of symptoms has not been explained by anatomical abnormalities or metabolic changes. This has led to the classification of IBS as a functional GI disorder, which is diagnosed on the basis of the Rome criteria and limited evaluation to exclude organic disease (Ringel et al. 2001 *Annu Rev Med* 52: 319-338). IBS is considered to be a "biopsychosocial" disorder resulting from a combination of three interacting mechanisms: altered bowel motility, an increased sensitivity of the intestine or colon to pain stimuli (visceral sensitivity) and psychosocial factors (Camilleri 2001 *Gastroenterology* 120:652-668). Recently, there has been increasing evidence for a role of inflammation in the etiology of IBS. Reports indicate that subsets of IBS patients have small but significant increases in colonic inflammatory and mast cells, increased inducible nitric oxide (NO) and synthase (iNOS) and altered expression of inflammatory cytokines (reviewed by Talley 2000, *Medscape Coverage of DDW Week*).

SUMMARY OF THE INVENTION

[0007] The present invention features compositions and related methods for treating IBS and other gastrointestinal disorders and conditions (e.g., gastrointestinal motility disorders, functional gastrointestinal disorders, gastroesophageal reflux disease (GERD), duodenogastric reflux, Crohn's disease, ulcerative colitis, inflammatory bowel disease, functional heartburn, dyspepsia (including functional dyspepsia or nonulcer dyspepsia), gastroparesis, chronic intestinal pseudo-obstruction (or colonic pseudoobstruction), and disorders and conditions associated with constipation, e.g., constipation associated with use of opiate pain killers, post-surgical constipation, and constipation associated with neuropathic disorders as well as other conditions and disorders. The compositions feature peptides that activate the guanylate cyclase C (GC-C) receptor.

[0008] The present invention also features compositions and related methods for treating obesity, congestive heart failure and benign prostatic hyperplasia (BPH).

[0009] Without being bound by any particular theory, in the case of IBS and other gastrointestinal disorders the peptides are useful because they can increase gastrointestinal motility.

[0010] Without being bound by any particular theory, in the case of IBS and other gastrointestinal disorders the peptides are useful, in part, because they can decrease inflammation.

[0011] Without being bound by any particular theory, in the case of IBS and other gastrointestinal disorders the peptides are also useful because they can decrease gastrointestinal pain or visceral pain.

[0012] The invention features pharmaceutical compositions comprising certain peptides that are capable of activating the guanylate-cyclase C (GC-C) receptor. Also within the invention are pharmaceutical compositions comprising a peptide of the invention as well as combination compositions comprising a peptide of the invention and one or more additional therapeutic agents, e.g., an agent for treating constipation (e.g., a chloride channel activator such as SPI-0211; Sucampo Pharmaceuticals, Inc.; Bethesda, Md., a laxative such as MiraLax; Braintree Laboratories, Braintree Mass.) or some other gastrointestinal disorder. Examples of additional therapeutic agents include: acid reducing agents such as proton pump inhibitors (e.g. omeprazole, esomeprazole, lanso-

prazole, pantoprazole and rabeprazole), H2 receptor blockers (e.g., cimetidine, ranitidine, famotidine and nizatidine), pro-motility agents such as motilin agonists (e.g., GM-611 or mitemincin fumarate), 5HT receptor agonists (e.g. 5HT4 receptor agonists such as Zelnorm®; 5HT3 receptor agonists such as MKC-733), 5HT receptor antagonists (e.g., 5HT1, 5HT2, 5HT3 (e.g., alosetron), 5HT4 receptor antagonists, muscarinic receptor agonists, anti-inflammatory agents, anti-spasmodics, antidepressants, centrally-acting analgesic agents such as opioid receptor agonists, opioid receptor antagonists (e.g., naltrexone), agents for the treatment of Inflammatory bowel disease, Crohn's disease and ulcerative colitis (e.g., Traficet-EN™ (ChemoCentryx, Inc.; San Carlos, Calif.)), agents that treat gastrointestinal or visceral pain, and cGMP phosphodiesterase inhibitors (e.g., motapizone, zaprinast, and sulindac sulfone). The peptides of the invention can also be used in combination with agents such as tianeptine (Stablon®) and other agents described in U.S. Pat. No. 6,683, 072, (E)-4 (1,3bis(cyclohexylmethyl)-1,2,3,4,-tetrahydro-2,6-diono-9H-purin-8-yl)cinnamic acid nonaethylene glycol methyl ether ester and related compounds described in WO 02/067942. The peptides can also be used in combination with treatments entailing the administration of microorganisms useful in the treatment of gastrointestinal disorders such as IBS. Probiotics® (The BioBalance Corporation; New York, N.Y.) is one example of a formulation that contains microorganisms useful in the treatment of gastrointestinal disorders. The peptides can also be used in combination with purgatives that draw fluids to the intestine (e.g., Visicol®, a combination of sodium phosphate monobasic monohydrate and sodium phosphate dibasic anhydrate.

[0013] In addition, the pharmaceutical compositions can include one or more agents selected from the group consisting of: Ca channel blockers (e.g., ziconotide), complete or partial 5HT receptor antagonists (for example 5HT3 (e.g., alosetron, ATI-7000; Aryx Therapeutics, Santa Clara Calif.), 5HT4, 5HT2, and 5HT1 receptor antagonists), complete or partial 5HT receptor agonists including 5HT3, 5HT2, 5HT4 (e.g., tegaserod, mosapride and renzapride), 5HT1 receptor agonists, CRF receptor agonists (NBI-34041), β -3 adrenoreceptor agonists, opioid receptor agonists (e.g., loperamide, fedotazine, and fentanyl, naloxone, naltrexone, methyl naloxone, nalmeferine, cypridime, beta funaltrexamine, naloxonazine, naltrindole, and nor-binaltorphimine, morphine, diphenylolxylate, enkephalin pentapeptide, asimadoline, and trimebutine), NK1 receptor antagonists (e.g., ezlopitant and SR-14033), CCK receptor agonists (e.g., loxiglumide), NK1 receptor antagonists, NK3 receptor antagonists (e.g., talnetant, osanetant (SR-142801), SSR-241586), norepinephrine-serotonin reuptake inhibitors (NSRI; e.g., milnacipran), vanilloid and cannabinoid receptor agonists (e.g., arvanil), sialorphan, sialorphan-related peptides comprising the amino acid sequence QHNPR (SEQ ID NO:85) for example, VQH-NPR (SEQ ID NO:86); VRQHNPR (SEQ ID NO:87); VRGQHNPR (SEQ ID NO:88); VRGPQHNPR (SEQ ID NO:89); VRGPRQHNPR (SEQ ID NO:90); VRGPRRQH-NPR (SEQ ID NO:91); and RQHNPR (SEQ ID NO:92), compounds or peptides that are inhibitors of neprilysin, frakefamide (H-Tyr-D-Ala-Phe(F)-Phe-NH₂; WO 01/019849 A1), loperamide, Tyr-Arg (kytorphan), CCK receptor agonists (caerulein), conotoxin peptides, peptide analogs of thymlin, loxiglumide, dexloxiglumide (the R-isomer of loxiglumide) (WO 88/05774). These peptides and compounds can be administered with the peptides of the invention (simulta-

neously or sequentially). They can also be covalently linked to a peptide of the invention to create therapeutic conjugates.

[0014] The invention includes methods for treating various gastrointestinal disorders by administering a peptide that acts as a partial or complete agonist of the GC-C receptor. The peptide contains up to four cysteines that form one or two disulfide bonds. In certain embodiments the disulfide bonds are replaced by other covalent cross-links and in some cases the cysteines are substituted by other residues to provide for alternative covalent cross-links. The peptides may also include at least one trypsin or chymotrypsin cleavage site and/or a carboxy-terminal analgesic peptide or small molecule, e.g., AspPhe or some other analgesic peptide. When present within the peptide, the analgesic peptide or small molecule may be preceded by a chymotrypsin or trypsin cleavage site that allows release of the analgesic peptide or small molecule. The peptides and methods of the invention are also useful for treating pain and inflammation associated with various disorders, including gastrointestinal disorders. Certain peptides include a functional chymotrypsin or trypsin cleavage site located so as to allow inactivation of the peptide upon cleavage. Certain peptides having a functional cleavage site undergo cleavage and gradual inactivation in the digestive tract, and this is desirable in some circumstances. In certain peptides, a functional chymotrypsin site is altered, increasing the stability of the peptide in vivo (e.g., guanylin).

[0015] The invention includes methods for treating other disorders such as congestive heart failure and benign prostatic hyperplasia by administering a peptide or small molecule (parenterally or orally) that acts as an agonist of the GC-C receptor. Such agents can be used in combination with natriuretic peptides (e.g., atrial natriuretic peptide, brain natriuretic peptide or C-type natriuretic peptide), a diuretic, or an inhibitor of angiotensin converting enzyme.

[0016] The invention features methods and compositions for increasing intestinal motility. Intestinal motility involves spontaneous coordinated distentions and contractions of the stomach, intestines, colon and rectum to move food through the gastrointestinal tract during the digestive process.

[0017] The peptide can contain additional carboxy terminal or amino terminal amino acids or both. For example, the peptide can include an amino terminal sequence that facilitates recombinant production of the peptide and is cleaved prior to administration of the peptide to a patient. The peptide can also include other amino terminal or carboxy terminal amino acids. In some cases the additional amino acids protect the peptide, stabilize the peptide or alter the activity of the peptide. In some cases some or all of these additional amino acids are removed prior to administration of the peptide to a patient. The peptide can include 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 or more amino acids at its amino terminus or carboxy terminus or both. The number of flanking amino acids need not be the same. For example, there can be 10 additional amino acids at the amino terminus of the peptide and none at the carboxy terminus.

[0018] In certain embodiments the peptides include either one or two or more contiguous negatively charged amino acids (e.g., Asp or Glu) or one or two or more contiguous positively charged residues (e.g., Lys or Arg) or one or two or more contiguous positively or negatively charged amino acids at the carboxy terminus. In these embodiments all of the flanking amino acids at the carboxy terminus are either positively or negatively charged. In other embodiments the carboxy terminal charged amino acids are preceded by a Leu. For

example, the following amino acid sequences can be added to the carboxy terminus of the peptide: Asp; Asp Lys; Lys Lys Lys Lys Lys (SEQ ID NO:93); Asp Lys Lys Lys Lys Lys Lys (SEQ ID NO:94); Leu Lys Lys; and Leu Asp. It is also possible to simply add Leu at the carboxy terminus.

[0019] In a first aspect, the invention features a polypeptide comprising, consisting of, or consisting essentially of the amino acid sequence: Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) wherein:

[0020] Xaa₁ is Ser, Asn, Tyr, Ala, Gln, Pro, Lys, Gly, or Thr, or is missing;

[0021] Xaa₂ is His, Asp, Glu, Ala, Ser, Asn, Gly, or is missing;

[0022] Xaa₃ is Thr, Asp, Ser, Glu, Pro, Val or Leu;

[0023] Xaa₅ is Asp, Ile or Glu;

[0024] Xaa₆ is Ile, Trp or Leu;

[0025] Xaa₇ is Cys, Ser, or Tyr;

[0026] Xaa₈ is Ala, Val, Thr, Ile, Met or is missing;

[0027] Xaa₉ is a) any amino acid, b) Phe, Tyr, Asn, Trp, c) an amino acid other than Phe, Trp, or Tyr, d) non-aromatic amino acid or e) is missing;

[0028] Xaa₁₀ is Ala, Val, Met, Thr or Ile;

[0029] Xaa₁₁ is Ala or Val;

[0030] Xaa₁₃ is Ala or Thr;

[0031] Xaa₁₄ is Gly, Ala or Ser;

[0032] Xaa₁₅ is Cys, Tyr or is missing; and

[0033] Xaa₁₆ is: a) Trp, Tyr or Phe to create a chymotrypsin cleavage site; b) Lys or Arg to create a trypsin cleavage site; c) is missing or d) His or Leu or Ser.

[0034] In some embodiments, Xaa₁ is preceded by Lys or Tyr.

[0035] In certain embodiments, a Cys is replaces by any amino acid other than Cys. Certain such polypeptides will have fewer disulfide bonds.

[0036] In a related aspect the invention features a composition comprising a polypeptide comprising, consisting of, or consisting essentially of the amino acid sequence: Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) wherein: Xaa₁ is Ser, Asn, Tyr, Ala, Gln, Pro, Lys, Gly, or Thr, or is missing; Xaa₂ is His, Asp, Glu, Ala, Ser, Asn, Gly, Pro or is missing; Xaa₃ is Thr, Asp, Ser, Glu, Pro, Val or Leu; Xaa₅ is Asp, Ile or Glu; Xaa₆ is Ile, Trp or Leu; Xaa₇ is Cys, Ser, or Tyr; Xaa₈ is Ala, Val, Thr, Ile, Met or is missing; Xaa₉ is Phe, Tyr, Asn, Trp, an amino acid other than Phe, Trp, or Tyr, is a non-aromatic amino acid or is missing; Xaa₁₀ is Ala, Val, Met, Thr or Ile; Xaa₁₁ is Ala or Val; Xaa₁₃ is Ala or Thr; Xaa₁₄ is Gly, Ala or Ser; Xaa₁₅ is Cys, Tyr or is missing; and Xaa₁₆ is: a) Trp, Tyr or Phe to create a chymotrypsin cleavage site; b) Lys or Arg to create a trypsin cleavage site; c) is missing or d) His or Leu or Ser and a pharmaceutically acceptable carrier. In related aspects, the invention features a pharmaceutically acceptable tablet, pill, capsule comprising the peptide.

[0037] In a related aspect, the invention features a polypeptide comprising, consisting of, or consisting essentially of the amino acid sequence: Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) wherein:

[0038] Xaa₁ is Asn, any amino acid or is missing;

[0039] Xaa₂ is Asp, Glu, any amino acid or is missing;

[0040] Xaa₃ is Asp or Glu;

[0041] Xaa₅ is any amino acid or Glu;

[0042] Xaa₆ is any amino acid or Leu;

[0043] Xaa₇ is Cys;

[0044] Xaa₈ is any amino acid or Val;

[0045] Xaa₉ is Asn, Gln, Tyr;

[0046] Xaa₁₀ is any amino acid or Val;

[0047] Xaa₁₁ is any amino acid or Ala;

[0048] Xaa₁₃ is any amino acid or Thr;

[0049] Xaa₁₄ is any amino acid or Gly;

[0050] Xaa₁₅ is Cys;

[0051] Xaa₁₆ is any amino acid, Leu or missing

[0052] In a related aspect, the invention features a polypeptide comprising, consisting of, or consisting essentially of the amino acid sequence: Asn₁ Xaa₂ Xaa₃ Xaa₄ Glu₅ Leu₆ Xaa₇ Val₈ Asn₉ Xaa₁₀ Xaa₁₁ Xaa₁₂ Thr₁₃ Xaa₁₄ Xaa₁₅ Leu₁₆ (SEQ ID NO: 2)

[0053] Xaa₂ is Asp or Glu;

[0054] Xaa₃ is Asp or Glu;

[0055] Xaa₄ is Cys or Mpt (mercaptoproline) or Pen (penicillamine) or Dpr (diaminopropionic acid) or Asp or Glu;

[0056] Xaa₇ is Cys or Mpt (mercaptoproline) or Pen (penicillamine) or Dpr (diaminopropionic acid) or Asp or Glu;

[0057] Xaa₁₀ is Val or Pro;

[0058] Xaa₁₁ is Ala or Aib (alpha-aminoisobutyric acid);

[0059] Xaa₁₂ is Cys or Mpt (mercaptoproline) or Pen (penicillamine) or Dpr (diaminopropionic acid) or Asp or Glu;

[0060] Xaa₁₄ is Gly or Ala;

[0061] Xaa₁₅ is Cys or Mpt (mercaptoproline) or Pen (penicillamine) or Dpr (diaminopropionic acid) or Asp or Glu; and

[0062] In certain embodiments, where Xaa₁₅ is other than Cys or is missing, Xaa₇ is Ser or an amino acid other than Cys.

[0063] In certain embodiments 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12 of Xaa₁, Xaa₂, Xaa₃, Xaa₅, Xaa₆, Xaa₇, Xaa₈, Xaa₉, Xaa₁₀, Xaa₁₁, Xaa₁₃, Xaa₁₄, and Xaa₁₆ are any amino acid other than Cys.

[0064] In certain embodiments, Xaa₉ is any amino acid other than Gln. In other embodiments where Xaa₂ and Xaa₃ are Glu, Xaa₉ is any amino acid other than Gln.

[0065] In certain embodiments Xaa₁ and Xaa₂ are missing; Xaa₃ is Thr; Xaa₅ is Glu; Xaa₆ is Ile or Leu; Xaa₈ is Ala, Val, or Ile; Xaa₉ is Phe or Tyr; Xaa₁₀ is Ala or Val; Xaa₁₁ is Ala; Xaa₁₃ is Ala or Thr; Xaa₁₄ is Gly; and Xaa₁₆ is Trp, Tyr, Phe, Lys, Arg or is missing.

[0066] In certain embodiments the polypeptide comprising, consisting of, or consisting essentially of the amino acid sequence: Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) is not cleaved after Xaa₉ by chymotrypsin. In these embodiments wherein:

[0067] Xaa₁ is Ser, Asn, Tyr, Ala, Gln, Pro, Lys, Gly, or Thr, or is missing;

[0068] Xaa₂ is His, Asp, Glu, Ala, Ser, Asn, or Gly, or is missing;

[0069] Xaa₃ is Thr, Asp, Ser, Glu, Pro, Val or Leu or is missing;

[0070] Xaa₅ is Asp, Ile or Glu;

[0071] Xaa₆ is Ile, Trp or Leu;

[0072] Xaa₇ is Cys, Ser, or Tyr;

[0073] Xaa₈ is Ala, Val, Thr, Ile, Met or is missing;

[0074] Xaa₉ is either: a) any amino acid other than Phe and Tyr, b) any amino acid other than Phe, Tyr, and Trp, c) any amino acid other than Phe, Tyr, Trp, Ile, Leu and

Val; d) any amino acid other than Phe, Tyr, Trp, Ile, Leu, Val, and His; d) any non-aromatic amino acid or e) is missing;

[0075] Xaa₆ is Ala, Val, Met, Thr or Ile;

[0076] Xaa₁₁ is Ala or Val;

[0077] Xaa₁₃ is Ala or Thr;

[0078] Xaa₁₄ is Gly, Ala or Ser;

[0079] Xaa₁₅ is Cys, Tyr or is missing; and

[0080] Xaa₁₆ is: a) Trp, Tyr or Phe to create a chymotrypsin cleavage site; b) Lys or Arg to create a trypsin cleavage site; c) is missing or d) His or Leu or Ser.

[0081] In addition, the invention features variants of Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) that is not cleaved after Xaa₉ by chymotrypsin due to the addition of an amino terminal lysine. An example of such a molecule is a human guanylin variant having an amino terminal lysine: KPGTCEICAYAACTGC (SEQ ID NO: 3).

[0082] In certain embodiments of the peptide comprising, consisting of, or consisting essentially of the amino acid sequence: Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) that is not cleaved after Xaa₉ by chymotrypsin, Xaa₇ and Xaa₁₅ are both Cys.

[0083] Also within the invention are variants of PGTCEICAYAACTGC (human guanylin) (SEQ ID NO: 4) wherein Y is substituted by any amino acid other than a) Phe; b) any amino acid other than Phe and Trp; c) any amino acid other than Phe, Trp, Ile, Leu and Val; d) any amino acid other than Phe, Trp, Ile, Leu, Val and His; e) any non-aromatic amino acid or f) is missing.

[0084] In certain embodiments the polypeptide comprising, consisting of, or consisting essentially of the amino acid sequence: Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) is not cleaved after Xaa₉ by either chymotrypsin or trypsin. In these embodiments wherein:

[0085] Xaa₁ is Ser, Asn, Tyr, Ala, Gln, Pro, Lys, Gly, or Thr, or is missing;

[0086] Xaa₂ is His, Asp, Glu, Ala, Ser, Asn, or Gly, or is missing;

[0087] Xaa₃ is Thr, Asp, Ser, Glu, Pro, Val or Leu or is missing;

[0088] Xaa₅ is Asp, Ile or Glu;

[0089] Xaa₆ is Ile, Trp or Leu;

[0090] Xaa₇ is Cys, Ser, or Tyr;

[0091] Xaa₈ is Ala, Val, Thr, Ile, Met or is missing;

[0092] Xaa₉ is either: a) any amino acid other than Lys, Arg, Phe and Tyr, b) any amino acid other than Lys, Arg, Phe, Tyr, and Trp, c) any amino acid other than Lys, Arg, Phe, Tyr, Trp, Ile, Leu and Val; d) any amino acid other than Lys, Arg, Phe, Tyr, Trp, Ile, Leu, Val, and His; or e) is missing;

[0093] Xaa₁₀ is Ala, Val, Met, Thr or Ile;

[0094] Xaa₁₁ is Ala or Val;

[0095] Xaa₁₃ is Ala or Thr;

[0096] Xaa₁₄ is Gly, Ala or Ser;

[0097] Xaa₁₅ is Cys, Tyr or is missing; and

[0098] Xaa₁₆ is: a) Trp, Tyr or Phe to create a chymotrypsin cleavage site; b) Lys or Arg to create a trypsin cleavage site; c) is missing or d) His or Leu or Ser.

[0099] In certain embodiments of the peptide comprising, consisting of, or consisting essentially of the amino acid sequence: Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉

Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) that is not cleaved after Xaa₉ by chymotrypsin or trypsin, Xaa₇ and Xaa₁₅ are both Cys.

[0100] Useful variants of PGTCEICAYAACTGC (human guanylin) (SEQ ID NO: 4) that should not be cleaved by chymotrypsin include:

PGTCEICASAACTGC (SEQ ID NO: 5)

PGTCEICATAACTGC (SEQ ID NO: 6)

PGTCEICANAACTGC (SEQ ID NO: 7)

PGTCEICAQAACTGC (SEQ ID NO: 8)

PGTCEICARAACTGC (SEQ ID NO: 9)

PGTCEICAEAACTGC (SEQ ID NO: 10)

PGTCEICADAACTGC (SEQ ID NO: 11)

PGTCEICAGAACTGC (SEQ ID NO: 12)

PGTCEICAAAACTGC (SEQ ID NO: 13)

PGTCEICAMAACTGC (SEQ ID NO: 14)

[0101] Additional variants which are not likely to be cleaved by chymotrypsin under certain conditions include:

PGTCEICAIAACTGC (SEQ ID NO: 15)

PGTCEICALAACTGC (SEQ ID NO: 16)

PGTCEICAVAACTGC (SEQ ID NO: 17)

PGTCEICAHAACTGC (SEQ ID NO: 18)

[0102] The invention also features deletion variants of any of the peptides described herein in which one, two, three or four amino acids, other than a Cys, are deleted. Where two (or more) amino acids are deleted and the peptide comprises the sequence: Cys_a Xaa Xaa Cys_b Xaa Xaa Xaa Xaa Cys_c Xaa Xaa Cys_d, in some embodiments two or more deletions can be located between Cys_a and Cys_b, or between Cys_b and Cys_c, or between Cys_c and Cys_d. Thus, there can be two or more deletions between two Cys. However, in other embodiments there is at most one deletion between each Cys, i.e., there is no more than one deletion between each of Cys_a and Cys_b, Cys_b and Cys_c, and Cys_c and Cys_d. Thus, the invention includes any of the peptides described herein comprising the sequence Cys_a Xaa Xaa Cys_b Xaa Xaa Xaa Xaa Cys_c Xaa Xaa Cys_d wherein: a) one amino acid between Cys_a and Cys_b is deleted; b) one amino acid between Cys_b and Cys_c is deleted; c) one amino acid between Cys_c and Cys_d is deleted; d) one amino acid between Cys_a and Cys_b is deleted and one amino acid between Cys_b and Cys_c is deleted; e) one amino acid between Cys_a and Cys_b is deleted and one amino acid between Cys_b and Cys_c is deleted and one amino acid between Cys_c

and Cys_d is deleted; f) one amino acid between Cys_b and Cys_c is deleted and one amino acid between Cys_c and Cys_d is deleted; or g) one amino acid between Cys_a and Cys_b is deleted, one amino acid between Cys_b and Cys_c is deleted, and one amino acid between Cys_c and Cys_d is deleted. In addition, one or more amino acids preceding Cys_a and/or one or more amino acids following Cys_d can be deleted. The various deletion variants are peptides that bind to and/or activate the GC-C receptor.

[0103] The invention also features deletion variants of any of the peptides described herein in which one, two, three or four amino acids (or non-natural amino acids or natural or non-natural amino acid analogs), other than a Cys (or an amino acid substituted for Cys, e.g., an amino acid capable of forming a covalent bond to another amino acid) is deleted. Thus, additional variants include those in which a Cys is substituted by an amino acid capable of forming a covalent linkage with another amino acid (e.g., a Cys or a substitute therefore). Such amino acids include: Mpt (mercaptoproline) or Pen (penicillamine) or Dpr (diaminopropionic acid).

[0104] FIG. 1 includes deletion variants of human guanylin in which one, two, three or four amino acids are deleted. The deleted amino acids are between Cys_a and Cys_d as well as amino terminal to Cys_a.

[0105] The invention also features insertion variants of any of the peptides described herein in which one, two, three or four amino acids are inserted.

[0106] Where two (or more) amino acids are inserted and the peptide comprises the sequence: Cys_a Xaa Xaa Cys_b Xaa Xaa Xaa Cys_c Xaa Xaa Cys_d, in some embodiments two or more insertions can be located between Cys_a and Cys_b or between Cys_b and Cys_c or between Cys_c and Cys_d. However, in other embodiments there is at most one insertion between each of Cys_a and Cys_b, or between Cys_b and Cys_c or between Cys_c and Cys_d. Thus, the invention includes any of the peptides described herein comprising the sequence Cys_a Xaa Xaa Cys_b Xaa Xaa Xaa Xaa Cys_c Xaa Xaa Cys_d wherein: a) one amino acid is inserted between Cys_a and Cys_b; b) one amino acid is inserted between Cys_b and Cys_c; c) one amino acid is inserted between Cys_c and Cys_d; d) one amino acid is inserted between Cys_a and Cys_b and one amino acid is inserted between Cys_b and Cys_c; e) one amino acid is inserted between Cys_a and Cys_b and one amino acid is inserted between Cys_c and Cys_d; f) one amino acid is inserted between Cys_b and Cys_c and one amino acid is inserted between Cys_c and Cys_d; or g) one amino acid is inserted between Cys_a and Cys_b, one amino acid is inserted between Cys_b and Cys_c, and one amino acid is inserted between Cys_c and Cys_d. In addition, one or more amino acids can be inserted preceding Cys_a and/or one or more amino acids can be inserted following Cys_d. The insertions can be any natural or non-natural occurring amino acid (e.g., Gly or Ala) or amino acid analog and where there are more than one insertions present, they can be the same or different. The various deletion variants are peptides that bind to and/or activate the GC-C receptor.

[0107] For example, the invention includes the following insertion variants of PGTCEICAYAACTGC (human guanylin) (SEQ ID NO:19) include:

PGTCEGICAYAACTGC	(SEQ ID NO: 20)
PGTCEIGCAYAACTGC	(SEQ ID NO: 21)
PGTCEICGAYAACTGC	(SEQ ID NO: 22)

-continued

PGTCEICAGYAACTGC	(SEQ ID NO: 23)
PGTCEICAYGAACTGC	(SEQ ID NO: 24)
PGTCEICAYAGACTGC	(SEQ ID NO: 25)
PGTCEICAYAAGCTGC	(SEQ ID NO: 26)
PGTCEICAYAACGTGC	(SEQ ID NO: 27)
PGTCEICAYAAGCTGC	(SEQ ID NO: 28)
PGTCEICAYAACTGCG	(SEQ ID NO: 29)
PGTCEICAYAACTGC	(SEQ ID NO: 30)
PGTCEICAYAACTGC	(SEQ ID NO: 31)
PGTCEICAYAACTGC	(SEQ ID NO: 32)
PGTCEICAYAACTGC	(SEQ ID NO: 33)
PGTCEICAYAACTGC	(SEQ ID NO: 34)
PGTCEICAYAACTGC	(SEQ ID NO: 35)
PGTCEICAYAACTGC	(SEQ ID NO: 36)
PGTCEICAYAACTGC	(SEQ ID NO: 37)
PGTCEICAYAACTGC	(SEQ ID NO: 38)
PGTCEICAYAACTGC	(SEQ ID NO: 39)

[0108] Other insertion variants of human guanylin can have up to four amino acids (i.e., 0, 1, 2, 3 or 4 natural or non-natural amino acids) inserted after each of the 15 amino acids in human guanylin. Thus, the invention includes peptides having the sequence: Pro Xaa₍₀₋₄₎ Gly Xaa₍₀₋₄₎ Thr Xaa₍₀₋₄₎ Cys Xaa₍₀₋₄₎ Glu Xaa₍₀₋₄₎ Ile Xaa₍₀₋₄₎ Cys Xaa₍₀₋₄₎ Ala Xaa₍₀₋₄₎ Tyr Xaa₍₀₋₄₎ Ala Xaa₍₀₋₄₎ Ala Xaa₍₀₋₄₎ Cys Xaa₍₀₋₄₎ Thr Xaa₍₀₋₄₎ Gly Xaa₍₀₋₄₎ Cys Xaa₍₀₋₄₎ (SEQ ID NO: 95). The inserted amino acids can be any amino acid and can be the same or different. In certain embodiments the inserted amino acids are all Gly or all Ala or a combination of Gly and Ala.

[0109] FIG. 2 depicts insertion variants of human guanylin in which one, two, three or four amino acids are inserted. The inserted amino acids are between Cys_a and Cys_d as well as amino terminal to Cys_a and carboxy terminal to Cys_d.

[0110] The invention also features variants of peptides having the sequence Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1), e.g., variants of PGTCEICAYAACTGC human guanylin (SEQ ID NO: 4) in which up to four amino acids are deleted and/or up to four amino acids are inserted. The inser-

tions and deletions can be between Cys4 and Cys12 in SEQ ID NO:1 or they can be amino terminal to Cys4 and/or carboxy terminal to Cys12 in SEQ ID NO:1

[0111] When Xaa₁₆ is Trp, Tyr or Phe, the peptide has a chymotrypsin cleavage site that is located at a position where cleavage will liberate the portion of the peptide carboxy-terminal to Xaa₁₆. When Xaa₁₆ is Lys or Arg, the peptide has a trypsin cleavage site that is located at a position where cleavage will liberate portion of the peptide carboxy-terminal to Xaa₁₆. Thus, if the peptide includes an analgesic peptide carboxy-terminal to Xaa₁₆, the peptide will be liberated in the digestive tract upon exposure to the appropriate protease. Among the analgesic peptides which can be included in the peptide are: AspPhe, endomorphin-1, endomorphin-2, nocistatin, dalargin, lupron, and substance P and other analgesic peptides described herein.

[0112] When Xaa₁ or the amino-terminal amino acid of the peptide of the invention (e.g., Xaa₂ or Xaa₃) is Trp, Tyr or Phe, the peptide has a chymotrypsin cleavage site that is located at a position where cleavage will liberate the portion of the peptide amino-terminal to Xaa₁ (or Xaa₂ or Xaa₃) along with Xaa₁, Xaa₂ or Xaa₃. When Xaa₁ or the amino-terminal amino acid of the peptide of the invention (e.g., Xaa₂ or Xaa₃) is Lys or Arg, the peptide has a trypsin cleavage site that is located at a position where cleavage will liberate portion of the peptide amino-terminal to Xaa₁ along with Xaa₁, Xaa₂ or Xaa₃. Thus, for example, if the peptide includes an analgesic peptide amino-terminal to Xaa₁, the peptide will be liberated in the digestive tract upon exposure to the appropriate protease. Among the analgesic peptides which can be included in the peptide are: AspPhe, endomorphin-1, endomorphin-2, nocistatin, dalargin, lupron, and substance p and other analgesic peptides described herein.

[0113] The peptides can linked, e.g., covalently linked to any of a variety of other analgesic peptides or analgesic compounds. Thus, a peptide described herein can be linked to a second therapeutic agent, e.g., an agent for treating constipation (e.g., a chloride channel activator such as SPI-0211; Sucampo Pharmaceuticals, Inc.; Bethesda, Md., a laxative such as MiraLax; Braintree Laboratories, Braintree Mass.) or some other gastrointestinal disorder. Examples of a second therapeutic agent include: acid reducing agents such as proton pump inhibitors (e.g., omeprazole, esomeprazole, lansoprazole, pantoprazole and rabeprazole), H2 receptor blockers (e.g., cimetidine, ranitidine, famotidine and nizatidine), promotility agents such as motilin agonists (e.g., GM-611 or mitemincinal fumarate), 5HT receptor agonists (e.g., 5HT4 receptor agonists such as Zelnorm®; 5HT3 receptor agonists such as MKC-733), 5HT receptor antagonists (e.g., 5HT1, 5HT2, 5HT3 (e.g., alosetron), 5HT4 receptor antagonists, muscarinic receptor agonists, anti-inflammatory agents, antispasmodics, antidepressants, centrally-acting analgesic agents such as opioid receptor agonists, opioid receptor antagonists (e.g., naltrexone), agents for the treatment of Inflammatory bowel disease, Crohn's disease and ulcerative colitis (e.g., Traficet-ENTM (ChemoCentryx, Inc.; San Carlos, Calif.), agents that treat gastrointestinal or visceral pain, and cGMP phosphodiesterase inhibitors (motapizone, zaprinast, and sulindac sulfone). The peptides of the invention can also be linked to agents such a tiapentine (Stablon®) and other agents described in U.S. Pat. No. 6,683,072; (E)-4(1,3bis(cyclohexylmethyl)-1,2,3,4,-tetrahydro-2,6-diono-9H-purin-8-yl)cinnamic acid nonaethylene glycol methyl ether ester and related compounds described in WO 02/067942. The

peptides can be linked to an agent selected from the group consisting of: Ca channel blockers (e.g., ziconotide), complete or partial 5HT receptor antagonists (for example 5HT3 (e.g., alosetron, ATI-7000; Aryx Thearapeutics, Santa Clara Calif.), 5HT4, 5HT2, and 5HT1 receptor antagonists), complete or partial 5HT receptor agonists including 5HT3, 5HT2, 5HT4 (e.g., tegaserod, mosapride and renzapride) and 5HT1 receptor agonists, CRF receptor agonists (NBI-34041), β-3 adrenoreceptor agonists, opioid receptor agonists (e.g., loperamide, fedotozine, and fentanyl, naloxone, naltrexone, methyl nalozone, nalmefene, cypridime, beta funaltrexamine, naloxonazine, naltrindole, and nor-binaltorphimine, morphine, diphenyloxylate, enkephalin pentapeptide, asimadoline, and trimebutine), NK1 receptor antagonists (e.g., ezlopitant and SR-14033), CCK receptor agonists (e.g., loxiglumide), NK1 receptor antagonists, NK3 receptor antagonists (e.g., talnetant, osanetant (SR-142801), SSR-241586), norepinephrine-serotonin reuptake inhibitors (NSRI; e.g., milnacipran), vanilloid and cannabinoid receptor agonists (e.g., arvanil), sialorphan, sialorphan-related peptides comprising the amino acid sequence QHNPR (SEQ ID NO: 85) for example, VQHNPR (SEQ ID NO: 86); VRQHNPR (SEQ ID NO: 87); VRGQHNPR (SEQ ID NO: 88); VRGPQHNPR (SEQ ID NO: 89); VRGPRQHNPR (SEQ ID NO: 90); VRGPRRQHNPR (SEQ ID NO: 91); and RQHNPR (SEQ ID NO: 92), compounds or peptides that are inhibitors of neprilysin, frakefamide (H-Tyr-D-Ala-Phe(F)-Phe-NH₂; WO 01/019849 A1), loperamide, Tyr-Arg (kyotorphin), CCK receptor agonists (caerulein), conotoxin peptides, peptide analogs of thymulin, loxiglumide, dexloxiglumide (the R-isomer of loxiglumide) (WO 88/05774) and other analgesic peptides or compounds.

[0114] Amino acid, non-amino acid, peptide and non-peptide spacers can be interposed between a peptides of the invention and a peptide that has some other biological function, e.g., an analgesic peptide or a peptide used to treat obesity. The linker can be one that is cleaved from the flanking peptides in vivo or one that remains linked to the flanking peptides in vivo. For example, glycine, beta-alanine, glycyglycine, glycy-beta-alanine, gamma-aminobutyric acid, 6-aminocaproic acid, L-phenylalanine, L-tryptophan and glycil-L-valil-L-phenylalanine can be used as a spacer (Chaffin et al. 2003 Helvetica Chimica Acta 86:533-547; Caliceti et al. 1993 FARMCO 48:919-32) as can polyethylene glycols (Butterworth et al. 1987 J. Med. Chem 30:1295-302) and maleimide derivatives (King et al. 2002 Tetrahedron Lett. 43:1987-1990). Various other linkers are described in the literature (Nestler 1996 Molecular Diversity 2:35-42; Finn et al. 1984 Biochemistry 23:2554-8; Cook et al. 1994 Tetrahedron Lett. 35:6777-80; Brokx et al. 2002 Journal of Controlled Release 78:115-123; Griffin et al. 2003 J. Am. Chem. Soc. 125:6517-6531; Robinson et al. 1998 Proc. Natl. Acad. Sci. USA 95:5929-5934.

[0115] The peptides can include the amino acid sequence of a peptide that occurs naturally in a vertebrate (e.g., mammalian) species or in a bacterial species. In addition, the peptides can be partially or completely non-naturally occurring peptides. Also within the invention are peptidomimetics corresponding to the peptides of the invention.

[0116] When fully folded, disulfide bonds are present between the first and third cysteines and between the second and fourth cysteines, e.g., there is a disulfide bond between Cys₄ and Cys₁₂ and a disulfide bond between Xaa₇ and Xaa₁₅ (when Xaa₇ is a Cys and Xaa₁₅ is a Cys). In some embodi-

ments, the peptide has only one disulfide bond, e.g., between the first and third cysteines (i.e., Cys₄ and Cys₁₂; corresponds to the first and second cysteines when Xaa₇ is other than Cys). In certain embodiments one or more Cys can be replaced by Mpt (mercaptoproline) or Pen (penicillamine) or Dpr (diaminopropionic acid) or some other amino acid that can covalently link to another amino acid (e.g., Cys, Mpt, Pen or Dpr). In some embodiments, one or both members of a pair of Cys residues which normally form a disulfide bond can be replaced by homocysteine, 3-mercaptoproline (Kolodziej et al. 1996 *Int J Pept Protein Res* 48:274); θ , θ dimethylcysteine (Hunt et al. 1993 *Int J Pept Protein Res* 42:249) or diamino-propionic acid (Smith et al. 1978 *J Med Chem* 21:117) to form alternative internal cross-links at the positions of the normal disulfide bonds.

[0117] In addition, one or more disulfide bonds can be replaced by alternative covalent cross-links, e.g., an amide bond, an ester linkage, an alkyl linkage, a thio ester linkage, a lactam bridge, a carbamoyl linkage, a urea linkage, a thiourea linkage, a phosphonate ester linkage, an alkyl linkage, and alkenyl linkage, an ether, a thioether linkage, or an amino linkage. For example, Ledu et al. (Proceedings Nat'l Acad. Sci. 100:11263-78, 2003) described methods for preparing lactam and amide cross-links. Schafineister et al. (J. Am. Chem. Soc. 122:5891, 2000) describes stable, all carbon cross-links. In some cases, the generation of such alternative cross-links requires replacing the Cys residues with other residues such as Lys or Glu or non-naturally occurring amino acids.

[0118] In certain embodiments one or more amino acids can be replaced by a non-naturally occurring amino acid or a naturally or non-naturally occurring amino acid analog. For example, an aromatic amino acid can be replaced by 3,4-dihydroxy-L-phenylalanine, 3-iodo-L-tyrosine, triiodothyronine, L-thyroxine, phenylglycine (Phg) or nor-tyrosine (norTyr). Phg and norTyr and other amino acids including Phe and Tyr can be substituted by, e.g., a halogen, —CH₃, —OH, —CH₂NH₃, —C(O)H, —CH₂CH₃, —CN, —CH₂CH₂CH₃, —SH, or another group.

[0119] Further examples of unnatural amino acids include: an unnatural analogue of tyrosine; an unnatural analogue of glutamine; an unnatural analogue of phenylalanine; an unnatural analogue of serine; an unnatural analogue of threonine; an alkyl, aryl, acyl, azido, cyano, halo, hydrazine, hydrazide, hydroxyl, alkenyl, alkynyl, ether, thiol, sulfonyl, seleno, ester, thioacid, borate, boronate, phospho, phosphono, phosphine, heterocyclic, enone, imine, aldehyde, hydroxylamine, keto, or amino substituted amino acid, or any combination thereof; an amino acid with a photoactivatable cross-linker; a spin-labeled amino acid; a fluorescent amino acid; an amino acid with a novel functional group; an amino acid that covalently or noncovalently interacts with another molecule; a metal binding amino acid; a metal-containing amino acid; a radioactive amino acid; a photocaged and/or photoisomerizable amino acid; a biotin or biotin-analogue containing amino acid; a glycosylated or carbohydrate modified amino acid; a keto containing amino acid; amino acids comprising polyethylene glycol or polyether; a heavy atom substituted amino acid (e.g., an amino acid containing deuterium, tritium, ¹³C, ¹⁵N, or ¹⁸O); a chemically cleavable or photocleavable amino acid; an amino acid with an elongated side chain; an amino acid containing a toxic group; a sugar substituted amino acid, e.g., a sugar substituted serine or the like; a carbon-linked sugar-containing amino acid; a redox-

active amino acid; an α -hydroxy containing acid; an amino thio acid containing amino acid; an α,α disubstituted amino acid; a β -amino acid; a cyclic amino acid other than proline; an O-methyl-L-tyrosine; an L-3-(2-naphthyl)alanine; a 3-methyl-phenylalanine; a p-acetyl-L-phenylalanine; an O-4-allyl-L-tyrosine; a 4-propyl-L-tyrosine; a tri-O-acetyl-GlcNAc β -serine; an L-Dopa; a fluorinated phenylalanine; an isopropyl-L-phenylalanine; a p-azido-L-phenylalanine; a p-acyl-L-phenylalanine; a p-benzoyl-L-phenylalanine; an L-phosphoserine; a phosphoserine; a phosphotyrosine; a p-iodo-phenylalanine; a 4-fluorophenylglycine; a p-bromophenylalanine; a p-amino-L-phenylalanine; an isopropyl-L-phenylalanine; L-3-(2-naphthyl)alanine; an amino-, isopropyl-, or O-allyl-containing phenylalanine analogue; a dopa, O-methyl-L-tyrosine; a glycosylated amino acid; a p-(propargyloxy)phenylalanine, dimethyl-Lysine, hydroxyproline, mercaptopropionic acid, methyl-lysine, 3-nitro-tyrosine, norleucine, pyro-glutamic acid, Z (Carbobenzoxyl), ϵ -Acetyl-Lysine, β -alanine, aminobenzoyl derivative, aminobutyric acid (Abu), citrulline, aminohexanoic acid, aminoisobutyric acid, cyclohexylalanine, d-cyclohexylalanine, hydroxyproline, nitro-arginine, nitro-phenylalanine, nitro-tyrosine, norvaline, octahydroindole carboxylate, ornithine, penicillamine, tetrahydroisoquinoline, acetamidomethyl protected amino acids and a pegylated amino acid. Further examples of unnatural amino acids can be found in U.S. 20030108885, U.S. 20030082575, and the references cited therein.

[0120] In some embodiments, an amino acid can be replaced by a naturally-occurring, non-essential amino acid, e.g., taurine.

[0121] Methods to manufacture peptides containing unnatural amino acids can be found in, for example, U.S. 20030108885, U.S. 20030082575, Deiters et al., *J Am Chem Soc.* (2003) 125:11782-3, Chin et al., *Science* (2003) 301: 964-7, and the references cited therein.

[0122] Peptides that include non-natural amino acids can also be prepared using the methods described in WO02086075.

[0123] The peptides of the invention can be modified using standard modifications. Modifications may occur at the amino (N—), carboxy (C—) terminus, internally or a combination of any of the preceding. In one aspect of the invention, there may be more than one type of modification on the peptide. Modifications include but are not limited to: acetylation, amidation, biotinylation, cinnamoylation, farnesylation, formylation, myristoylation, palmitoylation, phosphorylation (Ser, Tyr or Thr), stearylation, succinylation, sulfurylation and cyclisation (via disulfide bridges or amide cyclisation), and modification by Cy3 or Cy5. The peptides of the invention may also be modified by 2,4-dinitrophenyl (DNP), DNP-lysine, modification by 7-Amino-4-methyl-coumarin (AMC), fluorescein, NBD (7-Nitrobenz-2-Oxa-1,3-Diazole), p-nitro-anilide, rhodamine B, EDANS (5-((2-aminoethyl)amino)naphthalene-1-sulfonic acid), dabcy1, dabsyl, dansyl, texas red, Fmoc, and Tamra (Tetramethyl-rhodamine). The peptides of the invention may also be conjugated to, for example, BSA or KLH (Keyhole Limpet Hemocyanin).

[0124] The invention also features a purified polypeptide comprising, consisting of or consisting essentially of the amino acid sequence: Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) wherein:

- [0125] Xaa₁ is any amino acid or is missing;
- [0126] Xaa₂ is any amino acid or is missing;
- [0127] Xaa₃ is any amino acid or is missing;
- [0128] Xaa₅ is Glu;
- [0129] Xaa₆ is Tyr, Trp, Phe or Leu;
- [0130] Xaa₇ is Cys;
- [0131] Xaa₈ is any of the 20 naturally-occurring amino acids other than Cys or is missing;
- [0132] Xaa₉ is any of the 20 naturally-occurring amino acids;
- [0133] Xaa₁₀ is Pro or Gly;
- [0134] Xaa₁₁ is any of the 20 naturally-occurring amino acids;
- [0135] Xaa₁₃ is Thr, Val or Gly;
- [0136] Xaa₁₄ is Gly or Ala;
- [0137] Xaa₁₅ is Cys; and
- [0138] Xaa₁₆ is any of the 20 naturally-occurring amino acids or is missing.
- [0139] In various embodiments: Xaa₉ is Asn; Xaa₁₁ is Ala or Thr; Xaa₈ is missing; and Xaa₁₆ is Tyr.
- [0140] In other embodiments Xaa₄ is immediately preceded by an amino acid sequence selected from: Ser His Thr; Pro Ser Thr; Thr; Pro Asp Pro; Ile Ala Glu Asp Ser His Thr (SEQ ID NO:8604); Ile Ala Gln Asp Pro Ser Thr (SEQ ID NO:8605); Ala Asn Thr; Asn Thr; Asp Pro Asn Thr (SEQ ID NO:8606); Lys Asn Thr; Pro Asn Thr; Ile Ala Gln Asp Pro Asn Thr (SEQ ID NO:8607); Lys Pro Asn Thr (SEQ ID NO:8608); Asp Pro Gly Thr (SEQ ID NO:8609); Glu Asp Pro Gly Thr (SEQ ID NO:8610); Pro Gly Thr; Pro Ala Thr; Val Ala Ala Arg Ala Asp Leu (SEQ ID NO:8611); Gly Asp Asp; Asn Asp Glu; Gln Glu Asp; Asn Asp Asp; Arg Thr Ile Ala Asn Asp Asp (SEQ ID NO:8612); Thr Ile Ala Asn Asp Asp (SEQ ID NO:8613); Asp Asp; Arg Thr Met Asp Asn Asp Glu (SEQ ID NO:8614); Arg Thr Ile Ala Gly Asp Asp (SEQ ID NO:8615); Arg Thr Ile Ala Asn Asp (SEQ ID NO:8616); Asp; Glu Asp; Arg Ser Ile Ser Gln Glu Asp (SEQ ID NO:8617); Thr Asp Glu; Arg Thr Ile Ala Thr Asp Glu (SEQ ID NO:8618); Glu; Ile Ile Thr Pro Pro Asp Pro (SEQ ID NO:8619); Gln Glu Leu; Lys Asp Asp; Gln Glu Glu; Arg Tyr Ile Asn Gln Glu Glu (SEQ ID NO:8620); Ala Ser Ser Tyr Ala Ser (SEQ ID NO:8621); and Thr Ser Ser Tyr Ala Ser (SEQ ID NO:8622).
- [0141] The invention further features a purified polypeptide comprising, consisting of or consisting essentially the amino acid sequence: Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) wherein:
- [0142] Xaa₁ is: a) Ser, Asn, Tyr, Ala, Gln, Pro, Lys, Gly, or Thr, or is missing; b) preceded by Lys or Tyr; c) any amino acid; d) missing; e) any amino acid other than Cys; or f) Lys or Arg;
- [0143] Xaa₂ is: a) His, Asp, Glu, Ala, Ser, Asn, Gly, or is missing; b) His, Asp, Glu, Ala, Ser, Asn, Gly, Pro or is missing; c) Asp, Glu, any amino acid or is missing; d) Asp or Glu; e) any amino acid other than Cys; e) Glu; f) missing; g) Trp, Tyr or Phe; or h) Lys or Arg;
- [0144] Xaa₃ is: a) Thr, Asp, Ser, Glu, Pro, Val or Leu; Asp or Glu; b) any amino acid other than Cys; c) Glu; d) Thr; e) Thr, Asp, Ser, Glu, Pro, Val or Leu or is missing; f) Trp, Tyr or Phe; or g) Lys or Arg;
- [0145] Xaa₄ is: a) Cys, Mpt (mercaptoproline), Pen (penicillamine), Dpr (diaminopropionic acid), Asp, or Glu;
- [0146] Xaa₅ is: a) any amino acid; b) Glu, Asp, Gln, Gly or Pro; c) Glu; d) Glu or Asp; e) Asp, Ile or Glu; f) any amino acid; or g) any amino acid other than Cys;
- [0147] Xaa₆ is: a) Leu, Ile, Val, Ala, Lys, Arg, Trp, Tyr or Phe; b) Leu, Ile, Val, Lys, Arg, Trp, Tyr or Phe; Leu, Ile, Lys, Arg, Trp, Tyr or Phe; c) Leu, Ile, Val, Trp, Tyr or Phe; d) Trp, Tyr, Phe or Leu; e) Leu, Ile or Val; f) Ile, Trp or Leu; g) Trp, Tyr or Phe; h) Ile or Leu; i) Tyr; j) any amino acid; k) any amino acid except Leu; l) any natural or non-natural aromatic amino acid; or m) any amino acid other than Cys;
- [0148] Xaa₇ is: a) Cys, Ser, or Tyr; Cys; b) Cys, Mpt (mercaptoproline), Pen (penicillamine), Dpr (diaminopropionic acid), Asp or Glu; c) Ser; or d) an amino acid other than Cys;
- [0149] Xaa₈ is: a) Ala, Val, or Ile; b) Ala, Val, Thr, Ile, Met or is missing; c) any amino acid; d) Val; e) any amino acid other than Cys; or f) missing;
- [0150] Xaa₉ is: a) any amino acid; b) any amino acid other than Phe and Tyr; c) any amino acid other than Phe, Tyr, and Trp; d) any amino acid other than Phe, Tyr, Trp, Ile, Leu and Val; e) any amino acid other than Phe, Tyr, Trp, Ile, Leu, Val, and His; f) any amino acid other than Gln; g) any amino acid other than Lys, Arg, Phe, Tyr, and Trp; h) any amino acid other than Lys, Arg, Phe, Tyr, Trp, Ile, Leu and Val; i) any amino acid other than Lys, Arg, Phe, Tyr, Trp, Ile, Leu, Val, and His; j) any non-aromatic amino acid; k) missing; l) Phe, Tyr, Asn, or Trp; m) Asn, Tyr, Asp or Ala; n) Asn, Gln, or Tyr; o) Phe or Tyr; p) Asn; or q) any amino acid other than Cys;
- [0151] Xaa₁₀ is: a) Ala, Pro or Gly; b) Pro or Gly; c) Pro; d) Ala, Val, Met, Thr or Ile; e) any amino acid; f) Val; g) Val or Pro; h) Ala or Val; i) any amino acid other than Cys; j) Pro; or k) Gly;
- [0152] Xaa₁₁ is: a) any amino acid; b) Ala, Leu, Ser, Gly, Val, Glu, Gln, Ile, Leu, Lys, Arg, or Asp; c) Ala or Gly; d) Ala; e) Ala or Val; f) any amino acid; g) Ala or Aib (alpha-aminoisobutyric acid); h) any amino acid other than Cys; i) Ala or Thr; or j) Thr.
- [0153] Xaa₁₂ is: a) Cys, Mpt (mercaptoproline), Pen (penicillamine), Dpr (diaminopropionic acid), Asp, or Glu; or b) any amino acid other than Cys;
- [0154] Xaa₁₃ is: a) Thr, Ala, Asn, Lys, Arg, or Trp; b) Thr, Ala, Lys, Arg, or Trp; c) any amino acid; d) any non-aromatic amino acid; e) Thr, Ala, or Trp; f) Trp, Tyr or Phe; g) Thr or Ala; h) any amino acid; i) Thr; j) any amino acid other than Cys; k) Thr, Val, or Gly; l) Thr or Val; m) Thr or Gly; n) Val or Thr; o) Val; p) Thr; or q) Gly;
- [0155] Xaa₁₄ is: a) Gly, Pro or Ala; b) Gly; c) any amino acid; d) Gly, Ala or Ser; e) Gly or Ala; f) any amino acid other than Cys; or g) Ala;
- [0156] Xaa₁₅ is: a) Cys, Tyr or is missing; b) Cys; c) Cys, Mpt (mercaptoproline), Pen (penicillamine), Dpr (diaminopropionic acid), Asp, Glu; or d) any amino acid other than Cys or is missing; and
- [0157] Xaa₁₆ is: a) Trp, Tyr, Phe, Asn, Ile, Val, His or Leu; b) Trp, Tyr, Phe, Asn or Leu; c) Trp, Tyr, Phe or Leu; d) Trp, Tyr, or Phe; e) Leu, Ile or Val; f) His, Leu or Ser; g) Tyr or Leu; Lys or Arg; h) His; i) any amino acid, j) Leu, or missing; k) Trp, Tyr, Phe, Lys, Arg or is missing; l) missing; m) any amino acid other than Cys; or n) Tyr.
- [0158] Also featured is purified polypeptide comprising, consisting of or consisting essentially of the amino acid

sequence: Xaa₁ Xaa₂ Xaa₃ Xaa₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Xaa₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) wherein:

- [0159] Xaa₁ is any amino acid or is missing;
 [0160] Xaa₂ is any amino acid or is missing;
 [0161] Xaa₃ is any amino acid or is missing;
 [0162] Xaa₄ is Cys, Mpt (mercaptoproline), Pen (penicillamine), Dpr (diaminopropionic acid), Asp or Glu;
 [0163] Xaa₅ is Glu;
 [0164] Xaa₆ is Tyr, Trp, Phe or Leu;
 [0165] Xaa₇ is Cys, Mpt (mercaptoproline), Pen (penicillamine), Dpr (diaminopropionic acid), Asp or Glu;
 [0166] Xaa₈ is any amino acid other than Cys or is missing;
 [0167] Xaa₉ is any amino acid;
 [0168] Xaa₁₀ is Pro or Gly;
 [0169] Xaa₁₁ is any amino acid;
 [0170] Xaa₁₂ is Cys, Mpt (mercaptoproline), Pen (penicillamine), Dpr (diaminopropionic acid), Asp or Glu;
 [0171] Xaa₁₃ is Thr, Val or Gly;
 [0172] Xaa₁₄ is Gly or Ala;
 [0173] Xaa₁₅ is Cys, Mpt (mercaptoproline), Pen (penicillamine), Dpr (diaminopropionic acid), Asp or Glu; and
 [0174] Xaa₁₆ is any amino acid or is missing.

[0175] The various peptides can be present with a counterion. Useful counterions include salts of: acetate, benzene-sulfonate, benzoate, calcium edetate, camsylate, carbonate, citrate, edetate (EDTA), edisylate, embonate, esylate, fumarate, gluceptate, gluconate, glutamate, glycolylarsanilate, hexylresorcinate, iodide, bromide, chloride, hydroxynaphthoate, isethionate, lactate, lactobionate, estolate, maleate, malate, mandelate, mesylate, mucate, napsylate, nitrate, pantothenate, phosphate, salicylate, stearate, succinate, sulfate, tartarate, theoclate, acetamidobenzoate, adipate, alginate, aminosalicylate, anhydromethylenecitrate, ascorbate, aspartate, camphorate, caprate, caproate, caprylate, cinnamate, cyclamate, dichloroacetate, formate, gentisate, glucuronate, glycerophosphate, glycolate, hippurate, fluoride, malonate, napadisylate, nicotinate, oleate, orotate, oxalate, oxoglutarate, palmitate, pectinate, pectinate polymer, phenylethylbarbiturate, picrate, propionate, pidolate, sebacate, rhodanide, tosylate, tannate

[0176] In a second aspect, the invention also features a therapeutic or prophylactic method comprising administering a composition comprising a purified peptide comprising, consisting essentially or consisting of the amino acid sequence of SEQ ID NO:1. For the treatment of gastrointestinal disorders, the peptide can be administered orally, by rectal suppository or parenterally.

[0177] In various embodiments, the patient is suffering from a gastrointestinal disorder; the patient is suffering from a disorder selected from the group consisting of: a gastrointestinal motility disorder, irritable bowel syndrome, a functional gastrointestinal disorder, gastroesophageal reflux disease, duodenogastric reflux, functional heartburn, dyspepsia, functional dyspepsia, nonulcer dyspepsia, gastroparesis, chronic intestinal pseudo-obstruction, colonic pseudo-obstruction, obesity, congestive heart failure, or benign prostatic hyperplasia; the composition is administered orally; the peptide comprises 150, 140, 130, 120, 110, 100, 90, 80, 70, 60, 50, 40, or 30 or fewer amino acids. In other embodiments, the peptide comprises 20 or fewer amino acids, and the peptide comprises no more than 5 amino acids prior to Cys₄. In other

embodiments the peptide comprises no more than 20, 15, 10, or 5 peptides subsequent to Cys₁₅. In certain embodiments Xaa₁₆ is a chymotrypsin or trypsin cleavage site and an analgesic peptide is present immediately following Xaa₁₆.

[0178] Among the useful peptides are those comprising, consisting of or consisting essentially of any of the following amino acid sequences:

- (SEQ ID NO: 40)
 SHTCEICAFACAGC (opossum guanylin);
 (SEQ ID NO: 4)
 PGTCEICAYAAGTGC (human guanylin);
 (SEQ ID NO: 41)
 PSTCEICAYAAGCAGC (pig guanylin);
 (SEQ ID NO: 42)
 PNTCEICAYAAGTGC (rat guanylin);
 (SEQ ID NO: 43)
 PDPCEICANAAGTGL (European eel guanylin, inferred);
 (SEQ ID NO: 44)
 NDDCELCVNVACTGCL (human uroguanylin);
 (SEQ ID NO: 45)
 QECELCINMACTGY (opossum lymphoguanylin);
 (SEQ ID NO: 46)
 GDDCELCVNVACTGCS (pig uroguanylin);
 (SEQ ID NO: 47)
 NDECELCVNIAGTGC (guinea pig uroguanylin);
 (SEQ ID NO: 48)
 TDECELCINVACTGC (rat uroguanylin);
 (SEQ ID NO: 49)
 QEDCELCINVACTGC (opossum uroguanylin);
 (SEQ ID NO: 50)
 MPSTQYIRRPASSYASCIWCTTACASCHGRRTTKPSLAT (EAST 1);
 (SEQ ID NO: 51)
 MPSTQYIRRPASSYASCIWCATACASCHGRRTTKPSLAT;
 (SEQ ID NO: 52)
 MPSTQYIRRPSTSSYASCIWCATACASCHGRRTTKPSLAT;
 (SEQ ID NO: 53)
 MPSTQYIRRPSTSSYASCIWCATVCASCHGRRTTKPSLAT;
 (SEQ ID NO: 54)
 MPSTQYIRRPASSYASCIWYATACASCHGRRTTEPSLAT;
 (SEQ ID NO: 55)
 QECELCINMACTGY (opossum lymphoguanylin analog);
 (SEQ ID NO: 56)
 YDECEICMFAACTGC (Japanese eel guanylin);
 (SEQ ID NO: 57)
 VCEICAFACAGTGC (Zebrafish guanylin, inferred);
 (SEQ ID NO: 58)
 ADLCEICAFACAGTGL (Japanese eel renoguanylin, inferred);
 (SEQ ID NO: 59)
 PGTCEICAYAAGTGL;
 (SEQ ID NO: 60)
 PGTCEICAYAAGTGLKK;

-continued

PNTCEICAYAAGTCKKICKKK; (SEQ ID NO: 61)

PNTCEICAYAAGTCD; (SEQ ID NO: 62)

PNTCEICAYAAGTCDK; (SEQ ID NO: 63)

YPNTCEICAYAAGTGC; (SEQ ID NO: 64)

KNTCEICAYAAGTGC (SEQ ID NO: 65)

KPNTCEICAYAAGTGC; (SEQ ID NO: 66)

EDPGTCEICAYAAGTGC; (SEQ ID NO: 67)

VTVDG NFSFSLESVK KLKDLQEPQE PRVGKLRNFA (SEQ ID NO: 68)

PIGPEVVI LCSNPNFPEE LKPLCKEPNA

QEILQRLEEIAEDPGTCEICAYAAGTGC; (SEQ ID NO: 69)

DPGTCEICAYAAGTGC; (SEQ ID NO: 70)

MNAFLLSALC LLGAWAALAG GVTVDGNFS FSLESVKKLK

DLQEPQEPV GKLRFAPIP GEPVVPILCS NPNFPEELKP

LCKEPNAQEI LQRLEEIAED PGTCEICAYAAGTGC; (SEQ ID NO: 71)

MNAFLLFALC LLGAWAALAG GVTVDGNFS FSLEPRVGKL

RNFAPIPGEP VVPILCSNPN PPEELKPLCK EPNAQEILQR

LEEIAEDPGTCEICAYAAGTGC; (SEQ ID NO: 72)

TGSMNAFLLF ALCLLGAWAA LAGGVTVDG NFSFSLEPRV

GKLRFAPIP GEPVVPILCS NPNFPEELKP LCKEPNAQEI

LQRLEEIAEDPGTCEICAYAAGTGCLEGG; (SEQ ID NO: 73)

NDECELCVNVACTGCL; (SEQ ID NO: 74)

ECELCVNVACTGCL; (SEQ ID NO: 75)

EDCELCINVACTGC; (SEQ ID NO: 76)

NDDCELCVACTGCL; (SEQ ID NO: 77)

FKTLRTIANDDECELCVNVACTGCL; (SEQ ID NO: 78)

FKTLRTIANDDCLCVNVACTGCL; (SEQ ID NO: 79)

DDCELCVNVACTGCL; (SEQ ID NO: 80)

DCELCVNVACTGCL;

-continued

CELCVNVACTGCL; (SEQ ID NO: 81)

KDDCELCVNVACTGCL; (SEQ ID NO: 82)

PNTCEICANPACTGC. (SEQ ID NO: 83)

[0179] The peptides can include the amino acid sequence of a peptide that occurs naturally in a vertebrate (e.g., mammalian) species or in a bacterial species. In addition, the peptides can be partially or completely non-naturally occurring peptides.

[0180] In a third aspect, the invention features a method for treating a patient suffering from constipation, the method comprising administering a composition comprising a peptide comprising, consisting essentially or consisting of the amino acid sequence of SEQ ID NO:1. Clinically accepted criteria that define constipation range from the frequency of bowel movements, the consistency of feces and the ease of bowel movement. One common definition of constipation is less than three bowel movements per week. Other definitions include abnormally hard stools or defecation that requires excessive straining (Schiller 2001 *Aliment Pharmacol Ther* 15:749-763). Constipation may be idiopathic (functional constipation or slow transit constipation) or secondary to other causes including neurologic, metabolic or endocrine disorders. These disorders include diabetes mellitus, hypothyroidism, hyperthyroidism, hypocalcaemia, Multiple sclerosis, Parkinson's disease, spinal cord lesions, Neurofibromatosis, autonomic neuropathy, Chagas disease, Hirschsprung disease and cystic fibrosis. Constipation may also be the result of surgery or due to the use of drugs such as analgesics (like opioids), antihypertensives, anticonvulsants, antidepressants, antispasmodics and antipsychotics.

[0181] In various embodiments, the constipation is associated with use of a therapeutic agent; the constipation is associated with a neuropathic disorder; the constipation is post-surgical constipation; the constipation is associated with a gastrointestinal disorder; the constipation is idiopathic (functional constipation or slow transit constipation); the constipation is associated with neuropathic, metabolic or endocrine disorder (e.g., diabetes mellitus, hypothyroidism, hyperthyroidism, hypocalcaemia, Multiple Sclerosis, Parkinson's disease, spinal cord lesions, neurofibromatosis, autonomic neuropathy, Chagas disease, Hirschsprung disease or cystic fibrosis). Constipation may also be the result of surgery or due to the use of drugs such as analgesics (e.g., opioids), antihypertensives, anticonvulsants, antidepressants, antispasmodics and antipsychotics.

[0182] In a fourth aspect, the invention features a method for treating a patient suffering a gastrointestinal disorder, the method comprising administering to the patient a composition comprising a purified peptide comprising, consisting essentially of or consisting of the amino acid sequence of SEQ ID NO:1.

[0183] In various embodiments, the patient is suffering from a gastrointestinal disorder; the patient is suffering from a disorder selected from the group consisting of: a gastrointestinal motility disorder, irritable bowel syndrome, a functional gastrointestinal disorder, gastroesophageal reflux disease, functional heartburn, dyspepsia, functional dyspep-

sia, nonulcer dyspepsia, gastroparesis, chronic intestinal pseudo-obstruction, colonic pseudo-obstruction; Crohn's disease, ulcerative colitis, Inflammatory bowel disease, colonic pseudo-obstruction, obesity, congestive heart failure, and benign prostatic hyperplasia.

[0184] In a fifth aspect, the invention features a method for increasing gastrointestinal motility in a patient, the method comprising administering to the patient a composition comprising a purified peptide comprising, consisting essentially of or consisting of the amino acid sequence of SEQ ID NO:1.

[0185] In a sixth aspect, the invention features a method for decreasing gastrointestinal pain or visceral pain in a patient, the method comprising administering to the patient a composition comprising a purified peptide comprising, consisting essentially of or consisting of the amino acid sequence of SEQ ID NO:1.

[0186] In a seventh aspect, the invention features a method for increasing the activity of an intestinal guanylate cyclase (GC-C) receptor in a patient, the method comprising administering to the patient a composition comprising a purified peptide comprising, consisting essentially of or consisting of the amino acid sequence of SEQ ID NO:1.

[0187] In an eighth aspect, the invention features an isolated nucleic acid molecule comprising a nucleotide sequence encoding a peptide comprising, consisting essentially of or consisting of the amino acid sequence of SEQ ID NO:1.

[0188] In a ninth aspect, the invention features a composition comprising a purified polypeptide comprising, consisting essentially of or consisting of the amino acid sequence of SEQ ID NO:1. In an embodiment, the composition is a pharmaceutical composition.

[0189] In a tenth aspect, the invention features a method for treating obesity, the method comprising administering a composition comprising a purified peptide comprising, consisting essentially of or consisting of the amino acid sequence of SEQ ID NO:1. The peptide can be administered in combination with one or more agents for treatment of obesity, for example, gut hormone fragment peptide YY₃₋₃₆ (PYY₃₋₃₆) (*N. Engl. J. Med.* 349:941, 2003; ikpeapge daspeelnry yasl-rhlynl vtrqry) or a variant thereof, glp-1 (glucagon-like peptide-1), exendin-4 (an inhibitor of glp-1), sibutramine, phentermine, phendimetrazine, benzphetamine hydrochloride (Didrex), orlistat (Xenical), diethylpropion hydrochloride (Tenuate), fluoxetine (Prozac), bupropion, ephedra, chromium, *garcinia cambogia*, benzocaine, bladderwrack (focus vesiculosus), chitosan, nomame herba, galega (Goat's Rue, French Lilac), conjugated linoleic acid, L-carnitine, fiber (psyllium, *plantago*, guar fiber), caffeine, dehydroepiandrosterone, germander (*teucrium chamaedrys*), B-hydroxy- β -methylbutyrate, ATL-962 (Alizyme PLC), and pyruvate. A peptide useful for treating obesity can be administered as a co-therapy with a peptide of the invention either as a distinct molecule or as part of a fusion protein with a peptide of the invention. Thus, for example, PYY₃₋₃₆ can be fused to the carboxy or amino terminus of a peptide of the invention. Such a fusion protein can include a chymotrypsin or trypsin cleavage site that can permit cleavage to separate the two peptides. A peptide useful for treating obesity can be administered as a co-therapy with electrostimulation (U.S. 20040015201).

[0190] In an eleventh aspect, the invention features a method for treating congestive heart failure, the method comprising: administering to the patient a composition comprising a purified peptide comprising, consisting essentially of or consisting of the amino acid sequence of SEQ ID NO:1. The

peptide can be administered in combination with one or more agents for treatment of congestive heart failure, for example, a natriuretic peptide such as atrial natriuretic peptide, brain natriuretic peptide or C-type natriuretic peptide), a diuretic, or an inhibitor of angiotensin converting enzyme.

[0191] In a twelfth aspect, the invention features a method for treating benign prostatic hyperplasia, the method comprising: administering to the patient a composition comprising a purified peptide comprising, consisting essentially of or consisting of the amino acid sequence of SEQ ID NO:1. The peptide can be administered in combination with one or more agents for treatment of BPH, for example, a 5-alpha reductase inhibitor (e.g., finasteride) or an alpha adrenergic inhibitor (e.g., doxazosine).

[0192] In a thirteenth aspect, the invention features a method for treating a patient suffering a gastrointestinal disorder, the method comprising administering to the patient a composition comprising a complete or partial agonist of the GC-C receptor. In various embodiments, the patient is suffering from a gastrointestinal disorder; the patient is suffering from a disorder selected from the group consisting of: a gastrointestinal motility disorder, irritable bowel syndrome, a functional gastrointestinal disorder, gastroesophageal reflux disease, functional heartburn, dyspepsia, functional dyspepsia, nonulcer dyspepsia, gastroparesis, chronic intestinal pseudo-obstruction, and colonic pseudo-obstruction.

[0193] In a fourteenth aspect, the invention features a method for treating a patient suffering from constipation, the method comprising administering a composition comprising a complete or partial agonist of the GC-C receptor.

[0194] In a fifteenth aspect, the invention features a method for increasing gastrointestinal motility in a patient, the method comprising administering to the patient a composition comprising a complete or partial agonist of the GC-C receptor.

[0195] In a sixteenth aspect, the invention features a method for decreasing gastrointestinal pain or visceral pain in a patient, the method comprising administering to the patient a composition comprising a complete or partial agonist of the GC-C receptor.

[0196] In a seventeenth aspect, the invention features a method for treating congestive heart failure, the method comprising administering a complete or partial agonist of the GC-C receptor. GC-C agonists can act in the kidney and adrenal gland to control natriuresis, kaliuresis, and diuresis thereby reducing the build-up of fluid associated with congestive heart failure (Lorenz et al. *J Clin Invest* 112:1138, 2003; Carrithers et al. *Kidney Int* 65:40, 2004). The agonist can be administered in combination with one or more agents for treatment of congestive heart failure, for example, a natriuretic peptide such as atrial natriuretic peptide, brain natriuretic peptide or C-type natriuretic peptide), a diuretic, or an inhibitor of angiotensin converting enzyme.

[0197] In an eighteenth aspect, the invention features a method for treating BPH, the method comprising administering a complete or partial agonist of the GC-C receptor. GC-C agonists acting in the prostate can reduce cellular hypertrophy and complications associated with cellular hypertrophy. The agonist can be administered in combination with one or more agents for treatment of BPH, for example, a 5-alpha reductase inhibitor (e.g., finasteride) or an alpha adrenergic inhibitor (e.g., doxazosine).

[0198] In a nineteenth aspect, the invention features a method for treating obesity, the method comprising adminis-

tering a complete or partial agonist of the GC-C receptor. The agonist can be administered in combination with one or more agents for treatment of obesity, for example, sibutramine.

[0199] The peptides and agonists of the GC-C receptor can be used to treat constipation or decreased intestinal motility, slow digestion or slow stomach emptying. The peptides can be used to relieve one or more symptoms of IBS (bloating, pain, constipation), GERD (acid reflux into the esophagus), duodenogastric reflux, functional dyspepsia, or gastroparesis (nausea, vomiting, bloating, delayed gastric emptying) and other disorders described herein.

[0200] Clinically accepted criteria that define constipation range from the frequency of bowel movements, the consistency of feces and the ease of bowel movement. One common definition of constipation is less than three bowel movements per week. Other definitions include abnormally hard stools or defecation that requires excessive straining (Schiller 2001, *Aliment Pharmacol Ther* 15:749-763). Constipation may be idiopathic (functional constipation or slow transit constipation) or secondary to other causes including neurologic, metabolic or endocrine disorders. These disorders include diabetes mellitus, hypothyroidism, hyperthyroidism, hypocalcaemia, Multiple Sclerosis, Parkinson's disease, spinal cord lesions, Neurofibromatosis, autonomic neuropathy, Chagas disease, Hirschsprung's disease and cystic fibrosis. Constipation may also be the result of surgery or due to the use of drugs such as analgesics (like opioids), antihypertensives, anticonvulsants, antidepressants, antispasmodics and antipsychotics.

[0201] In a twentieth aspect, the invention features isolated nucleic acid molecules comprising or consisting of a sequence encoding a peptide of the invention. The invention also features vectors, e.g., expression vectors that include such nucleic acid molecules and can be used to express a peptide of the invention in a cultured cell (e.g., a eukaryotic cell or a prokaryotic cell). The vector can further include one or more regulatory elements, e.g., a heterologous promoter or elements required for translation operably linked to the sequence encoding the peptide. In some cases the nucleic acid molecule will encode an amino acid sequence that includes the amino acid sequence of a peptide of the invention. For example, the nucleic acid molecule can encode a preprotein or a preproprotein that can be processed to produce a peptide of the invention.

[0202] A vector that includes a nucleotide sequence encoding a peptide of the invention or a peptide or polypeptide comprising a peptide of the invention may be either RNA or DNA, single- or double-stranded, prokaryotic, eukaryotic, or viral. Vectors can include transposons, viral vectors, episomes, (e.g., plasmids), chromosomes inserts, and artificial chromosomes (e.g. BACs or YACs). Suitable bacterial hosts for expression of the encode peptide or polypeptide include, but are not limited to, *E. coli*. Suitable eukaryotic hosts include yeast such as *S. cerevisiae*, other fungi, vertebrate cells, invertebrate cells (e.g., insect cells), plant cells, human cells, human tissue cells, and whole eukaryotic organisms. (e.g., a transgenic plant or a transgenic animal). Further, the vector nucleic acid can be used to generate a virus such as vaccinia or baculovirus.

[0203] As noted above the invention includes vectors and genetic constructs suitable for production of a peptide of the invention or a peptide or polypeptide comprising such a peptide. Generally, the genetic construct also includes, in addition to the encoding nucleic acid molecule, elements that allow expression, such as a promoter and regulatory

sequences. The expression vectors may contain transcriptional control sequences that control transcriptional initiation, such as promoter, enhancer, operator, and repressor sequences. A variety of transcriptional control sequences are well known to those in the art and may be functional in, but are not limited to, a bacterium, yeast, plant, or animal cell. The expression vector can also include a translation regulatory sequence (e.g., an untranslated 5' sequence, an untranslated 3' sequence, a poly A addition site, or an internal ribosome entry site), a splicing sequence or splicing regulatory sequence, and a transcription termination sequence. The vector can be capable of autonomous replication or it can integrate into host DNA.

[0204] The invention also includes isolated host cells harboring one of the forgoing nucleic acid molecules and methods for producing a peptide by culturing such a cell and recovering the peptide or a precursor of the peptide. Recovery of the peptide or precursor may refer to collecting the growth solution and need not involve additional steps of purification. Proteins of the present invention, however, can be purified using standard purification techniques, such as, but not limited to, affinity chromatography, thermoprecipitation, immunoaffinity chromatography, ammonium sulfate precipitation, ion exchange chromatography, filtration, electrophoresis and hydrophobic interaction chromatography.

[0205] In a twenty first aspect, the invention features a method of increasing the level of cyclic guanosine 3'-monophosphate (cGMP) in an organ, tissue (e.g. the intestinal mucosa), or cell (e.g., a cell bearing GC-A receptor) by administering a composition that includes a peptide of the invention.

[0206] The details of one or more embodiments of the invention are set forth in the accompanying description and claims. The publications and patents referenced herein are incorporated by reference.

DRAWINGS

[0207] FIG. 1 depicts deletion variants of human guanylin in which one, two, three or four amino acids are deleted. The deleted amino acids are between Cys_a and Cys_d as well as amino terminal to Cys_a.

[0208] FIG. 2 depicts insertion variants of human guanylin in which one, two, three or four amino acids are inserted. The inserted amino acids are between Cys_a and Cys_d as well as amino terminal to Cys_a and carboxy terminal to Cys_d.

[0209] FIG. 3 depicts various polypeptides which include the amino acid sequence: Xaa₁ Xaa₂ Xaa₃ Cys₄ Xaa₅ Xaa₆ Xaa₇ Xaa₈ Xaa₉ Xaa₁₀ Xaa₁₁ Cys₁₂ Xaa₁₃ Xaa₁₄ Xaa₁₅ Xaa₁₆ (SEQ ID NO:1) wherein: Xaa₁ is any amino acid or is missing; Xaa₂ is any amino acid or is missing; Xaa₃ is any amino acid or is missing; Xaa₅ is Glu; Xaa₆ is Tyr, Trp, Phe or Leu; Xaa₇ is Cys; Xaa₈ is any of the 20 naturally-occurring amino acids other than Cys or is missing; Xaa₉ is any of the 20 naturally-occurring amino acids; Xaa₁₀ is Pro or Gly; Xaa₁₁ is any of the 20 naturally-occurring amino acids; Xaa₁₃ is Thr, Val or Gly; Xaa₁₄ is Gly or Ala; Xaa₁₅ is Cys; and Xaa₁₆ is any of the 20 naturally-occurring amino acids or is missing.

DETAILED DESCRIPTION

[0210] The peptides of the invention bind to the guanylate cyclase (GC-C) receptor, a key regulator of fluid and electrolyte balance in the intestine and kidney. When stimulated, this receptor, which is located on the apical membrane of the

intestinal epithelial surface, causes an increase in intestinal epithelial cyclic GMP (cGMP). This increase in cGMP is believed to cause a decrease in water and sodium absorption and an increase in chloride and potassium ion secretion, leading to changes in intestinal fluid and electrolyte transport and increased intestinal motility. The intestinal GC-C receptor possesses an extracellular ligand binding region, a transmembrane region, an intracellular protein kinase-like region and a cyclase catalytic domain. Proposed functions for the GC-C receptor are the fluid and electrolyte homeostasis, the regulation of epithelial cell proliferation and the induction of apoptosis (Shaibhubhai 2002 *Curr Opin Drug Dis Devel* 5:261-268).

[0211] In addition to being expressed in gastrointestinal epithelial cells, GC-C is expressed in extra-intestinal tissues including kidney, lung, pancreas, pituitary, adrenal, developing liver, heart and male and female reproductive tissues (reviewed in Vaandrager 2002 *Mol Cell Biochem* 230:73-83). This suggests that the GC-C receptor agonists can be used in the treatment of disorders outside the GI tract, for example, congestive heart failure and benign prostatic hyperplasia.

[0212] Ghrelin, a peptide hormone secreted by the stomach, is a key regulator of appetite in humans. Ghrelin expression levels are regulated by fasting and by gastric emptying. (Kim et al., 2003, *Neuroreprt* 14:1317-20; Gualillo et al., 2003, *FEBS Letts* 552: 105-9). Thus, by increasing gastrointestinal motility, GC-C receptor agonists may also be used to regulate obesity.

[0213] In humans, the GC-C receptor is activated by guanylin (Gn) (U.S. Pat. No. 596,097), uroguanylin (Ugn) (U.S. Pat. No. 5,140,102) and lymphoguanylin (Forte et al. 1999 *Endocrinology* 140:1800-1806).

[0214] Many gastrointestinal disorders, including IBS, are associated with abdominal or visceral pain. Certain of the peptides of the invention include the analgesic or anti-nociceptive tags such as the carboxy-terminal sequence AspPhe immediately following a Trp, Tyr or Phe (i.e., a chymotrypsin cleavage site) or following Lys or Arg (a trypsin cleavage site). Chymotrypsin in the intestinal tract will cleave such peptides immediately carboxy terminal to the Trp, Phe or Tyr residue, releasing the dipeptide, AspPhe. This dipeptide has been shown to have analgesic activity in animal models (Abdikkahi et al. 2001 *Fundam Clin Pharmacol* 15:117-23; Nikfar et al 1997, 29:583-6; Edmundson et al 1998 *Clin Pharmacol Ther* 63:580-93). In this manner such peptides can treat both pain and inflammation. Other analgesic peptides can be present at the carboxy terminus of the peptide (following a cleavage site) including: endomorphin-1, endomorphin-2, nocistatin, dalargin, lupron, and substance P. As described in greater detail below, various analgesic peptides and compounds can be covalently linked to or used in combination therapy with the therapeutic peptides described herein.

[0215] In the human body an inactive form of chymotrypsin, chymotrypsinogen is produced in the pancreas. When this inactive enzyme reaches the small intestine it is converted to active chymotrypsin by the excision of two di-peptides. Active chymotrypsin will cleave peptides at the peptide bond on the carboxy-terminal side of Trp, Tyr or Phe. The presence of active chymotrypsin in the intestinal tract will lead to cleavage of certain of the peptides of the invention having an appropriately positioned chymotrypsin cleavage site. Certain of the peptides of the invention include a Trp, Tyr or Phe immediately followed by a carboxy-terminal analgesic pep-

tide. It is expected that chymotrypsin cleavage will release the analgesic peptide from peptide of the invention having an appropriately positioned chymotrypsin cleavage site as the peptide passes through the intestinal tract.

[0216] Trypsinogen, like chymotrypsin, is a serine protease that is produced in the pancreas and is present in the digestive tract. The active form, trypsin, will cleave peptides having a Lys or Arg. The presence of active trypsin in the intestinal tract will lead to cleavage of certain of the peptides of the invention having an appropriately positioned trypsin cleavage site. It is expected that chymotrypsin cleavage will release the analgesic peptide from peptide of the invention having an appropriately positioned trypsin cleavage site as the peptide passes through the intestinal tract.

[0217] In some cases, the peptides of the invention are produced as a prepro protein. The prepro protein can include any suitable prepro sequence, including, for example, mnafl-salc llgawaalag gvtvqdgfnfs fslesvkkklk dlqepqepvr gkrnfapip gepvvpilcs nprnfpeelkp lckepnaqei lqrleeiaed (SEQ ID NO:) and mgcraasgll pgvavvllll lqstqsvyiq yqgrfrvqls mkklsdleaq wapsrlqaaq sllpavchhp alpqlqpvc asqeassifk ltrtia (SEQ ID NO:) or a bacterial leader sequence such as: mkksilfifsvls-fspfaqdakpvesskekitleskkcniakksnkgspesmn. Where the peptide is produced by a bacterial cell, e.g., *E. coli*, the foregoing leader sequence will be cleaved and the mature peptide will be efficiently secreted from the bacterial cell. U.S. Pat. No. 5,395,490 describes vectors, expression systems and methods for the efficient production of certain mature peptides having disulfide bonds in bacterial cells and methods for achieving efficient secretion of such mature peptides. The vectors, expression systems and methods described in U.S. Pat. No. 5,395,490 can be used to produce the polypeptides of the present invention.

Variant Peptides

[0218] The invention includes variant peptides that can include one, two, three, four, or five or more (e.g., 6, 7, 8, 9, 10, 11, 12, 13, 14, or 15) amino acid substitutions compared to any of the peptides described above. The substitution(s) can be conservative or non-conservative. The naturally-occurring amino acids can be substituted by D-isomers of any amino acid, non-natural amino acids, natural and non-natural amino acid analogs, and other groups. A conservative amino acid substitution results in the alteration of an amino acid for a similar acting amino acid, or amino acid of like charge, polarity, or hydrophobicity. At some positions, even conservative amino acid substitutions can reduce the activity of the peptide. A conservative substitution can substitute a naturally-occurring amino acid for a non-naturally-occurring amino acid. Among the naturally occurring amino acid substitutions generally considered conservative are:

For Amino Acid	Code	Replace with any of
Alanine	Ala	Gly, Cys, Ser
Arginine	Arg	Lys, His
Asparagine	Asn	Asp, Glu, Gln,
Aspartic Acid	Asp	Asn, Glu, Gln
Cysteine	Cys	Met, Thr, Ser
Glutamine	Gln	Asn, Glu, Asp
Glutamic Acid	Glu	Asp, Asn, Gln
Glycine	Gly	Ala
Histidine	His	Lys, Arg

-continued

For Amino Acid	Code	Replace with any of
Isoleucine	Ile	Val, Leu, Met
Leucine	Leu	Val, Ile, Met
Lysine	Lys	Arg, His
Methionine	Met	Ile, Leu, Val
Phenylalanine	Phe	Tyr, His, Trp
Proline	Pro	
Serine	Ser	Thr, Cys, Ala
Threonine	Thr	Ser, Met, Val
Tryptophan	Trp	Phe, Tyr
Tyrosine	Tyr	Phe, His
Valine	Val	Leu, Ile, Met

[0219] In some circumstances it can be desirable to treat patients with a variant peptide that binds to and activates intestinal GC-C receptor, but is less active or more active than the non-variant form of the peptide. Reduced activity can arise from reduced affinity for the receptor or a reduced ability to activate the receptor once bound or reduced stability of the peptide. Increased activity can arise from increased affinity for the receptor or an increased ability to activate the receptor once bound or increased stability of the peptide.

[0220] In some peptides one or both members of one or both pairs of Cys residues which normally form a disulfide bond can be replaced by homocysteine, 3-mercaptoproline (Kolodziej et al. 1996 *Int J Pept Protein Res* 48:274); θ , θ dimethylcysteine (Hunt et al. 1993 *Int J Pept Protein Res* 42:249) or diamino propionic acid (Smith et al. 1978 *J Med Chem* 21:117) to form alternative internal cross-links at the positions of the normal disulfide bonds.

Production of Peptides

[0221] Useful peptides can be produced either in bacteria including, without limitation, *E. coli*, or in other existing systems for peptide or protein production (e.g., *Bacillus subtilis*, baculovirus expression systems using *Drosophila* Sf9 cells, yeast or filamentous fungal expression systems, mammalian cell expression systems), or they can be chemically synthesized.

[0222] If the peptide or variant peptide is to be produced in bacteria, e.g., *E. coli*, the nucleic acid molecule encoding the peptide may also encode a leader sequence that permits the secretion of the mature peptide from the cell. Thus, the sequence encoding the peptide can include the pre sequence and the pro sequence of, for example, a naturally-occurring bacterial ST peptide. The secreted, mature peptide can be purified from the culture medium.

[0223] The sequence encoding a peptide of the invention is can be inserted into a vector capable of delivering and maintaining the nucleic acid molecule in a bacterial cell. The DNA molecule may be inserted into an autonomously replicating vector (suitable vectors include, for example, pGEM3Z and pcDNA3, and derivatives thereof). The vector nucleic acid may be a bacterial or bacteriophage DNA such as bacteriophage lambda or M13 and derivatives thereof. Construction of a vector containing a nucleic acid described herein can be followed by transformation of a host cell such as a bacterium. Suitable bacterial hosts include but are not limited to, *E. coli*, *B. subtilis*, *Pseudomonas*, *Salmonella*. The genetic construct also includes, in addition to the encoding nucleic acid molecule, elements that allow expression, such as a promoter and regulatory sequences. The expression vectors may contain

transcriptional control sequences that control transcriptional initiation, such as promoter, enhancer, operator, and repressor sequences. A variety of transcriptional control sequences are well known to those in the art. The expression vector can also include a translation regulatory sequence (e.g., an untranslated 5' sequence, an untranslated 3' sequence, or an internal ribosome entry site). The vector can be capable of autonomous replication or it can integrate into host DNA to ensure stability during peptide production.

[0224] The protein coding sequence that includes a peptide of the invention can also be fused to a nucleic acid encoding a polypeptide affinity tag, e.g., glutathione S-transferase (GST), maltose E binding protein, protein A, FLAG tag, hexa-histidine, myc tag or the influenza HA tag, in order to facilitate purification. The affinity tag or reporter fusion joins the reading frame of the peptide of interest to the reading frame of the gene encoding the affinity tag such that a translational fusion is generated. Expression of the fusion gene results in translation of a single polypeptide that includes both the peptide of interest and the affinity tag. In some instances where affinity tags are utilized, DNA sequence encoding a protease recognition site will be fused between the reading frames for the affinity tag and the peptide of interest.

[0225] Genetic constructs and methods suitable for production of immature and mature forms of the peptides and variants of the invention in protein expression systems other than bacteria, and well known to those skilled in the art, can also be used to produce peptides in a biological system.

[0226] Mature peptides and variants thereof can be synthesized by the solid-phase method using an automated peptide synthesizer. For example, the peptide can be synthesized on Cyc(4-CH₂ Bxl)-OCH₂-4-(oxymethyl)-phenylacetamidomethyl resin using a double coupling program. Protecting groups must be used appropriately to create the correct disulfide bond pattern. For example, the following protecting groups can be used: t-butyloxycarbonyl (alpha-amino groups); acetamidomethyl (thiol groups of Cys residues B and E); 4-methylbenzyl (thiol groups of Cys residues C and F); benzyl (gamma-carboxyl of glutamic acid and the hydroxyl group of threonine, if present); and bromobenzyl (phenolic group of tyrosine, if present). Coupling is effected with symmetrical anhydride of t-butyloxycarbonylamino acids or hydroxybenzotriazole ester (for asparagine or glutamine residues), and the peptide is deprotected and cleaved from the solid support in hydrogen fluoride, dimethyl sulfide, anisole, and p-thiocresol using 8/1/1/0.5 ratio (v/v/v/w) at 0° C. for 60 min. After removal of hydrogen fluoride and dimethyl sulfide by reduced pressure and anisole and p-thiocresol by extraction with ethyl ether and ethyl acetate sequentially, crude peptides are extracted with a mixture of 0.5M sodium phosphate buffer, pH 8.0 and N,N-dimethylformamide using 1/1 ratio, v/v. The disulfide bond for Cys residues B and E is the formed using dimethyl sulfoxide (Tam et al. (1991) *J. Am. Chem. Soc.* 113:6657-62). The resulting peptide is the purified by reverse-phase chromatography. The disulfide bond between Cys residues C and F is formed by first dissolving the peptide in 50% acetic acid in water. Saturated iodine solution in glacial acetic acid is added (1 ml iodine solution per 100 ml solution). After incubation at room temperature for 2 days in an enclosed glass container, the solution is diluted five-fold with deionized water and extracted with ethyl ether four times for removal of unreacted iodine. After removal of the residual amount of ethyl ether by rotary evaporation the solution of

crude product is lyophilized and purified by successive reverse-phase chromatography.

Intestinal GC-C Receptor Binding and Activity Assays

[0227] The ability of peptides, variant peptides and other compounds to bind to and activate the intestinal GC-C receptor can be tested using the T84 human colon carcinoma cell line (American Type Culture Collection (Bethesda, Md.).

[0228] Briefly, cells are grown to confluency in 24-well culture plates with a 1:1 mixture of Ham's F12 medium and Dulbecco's modified Eagle's medium (DMEM), supplemented with 5% fetal calf serum and are used at between passages 54 and 60.

[0229] Monolayers of T84 cells in 24-well plates are washed twice with 1 ml/well DMEM, then incubated at 37° C. for 10 min with 0.45 ml DMEM containing 1 mM isobutylmethylxanthine (IBMX), a cyclic nucleotide phosphodiesterase inhibitor. Test peptides (50T1) are then added and incubated for 30 minutes at 37° C. The media is aspirated and the reaction is terminated by the addition of ice cold 0.5 ml of 0.1N HCl. The samples are held on ice for 20 minutes and then evaporated to dryness using a heat gun or vacuum centrifugation. The dried samples are resuspended in 0.5 ml of phosphate buffer provided in the Cayman Chemical Cyclic GMP EIA kit (Cayman Chemical, Ann Arbor, Mich.). Cyclic GMP is measured by EIA according to procedures outlined in the Cayman Chemical Cyclic GMP EIA kit.

[0230] For the binding assay, T84 cell monolayers in 24-well plates are washed twice with 1 ml of binding buffer (DMEM containing 0.05% bovine serum albumin and 25 mM HEPES, pH 7.2), then incubated for 30 min at 37° C. in the presence of mature radioactively labeled *E. coli* ST peptide and the test material at various concentrations. The cells are then washed 4 times with 1 ml of DMEM and solubilized with 0.5 ml/well 1N NaOH. The level of radioactivity in the solubilized material is then determined using standard methods.

Murine Gastrointestinal Transit (GIT) Assay

[0231] In order to determine whether a test compound or a peptide, increases the rate of gastrointestinal transit, the test compound can be tested in the murine gastrointestinal transit (GIT) assay (Moon et al. *Infection and Immunity* 25:127, 1979). In this assay, charcoal, which can be readily visualized in the gastrointestinal tract is administered to mice after the administration of a test compound. The distance traveled by the charcoal is measured and expressed as a percentage of the total length of the colon.

[0232] Mice are fasted with free access to water for 12 to 16 hours before the treatment with peptide or control buffer. The peptides are orally administered at 1 Tg/kg-1 mg/kg of peptide in buffer (20 mM Tris pH 7.5) seven minutes before being given an oral dose of 5% Activated Carbon (Aldrich 242276-250G). Control mice are administered buffer only before being given a dose of Activated Carbon. After 15 minutes, the mice are sacrificed and their intestines from the stomach to the cecum are dissected. The total length of the intestine as well as the distance traveled from the stomach to the charcoal front is measured for each animal and the results are expressed as the percent of the total length of the intestine traveled by the charcoal front. Results are reported as the average of 10 mice \pm standard deviation. A comparison of the distance traveled by the charcoal between the mice treated with peptide versus the mice treated with vehicle alone is

performed using a Student's t test and a statistically significant difference is considered for $P < 0.05$. Positive controls for this assay may include commercially available wild-type ST peptide (Sigma-Aldrich, St Louis, Mo.) and Zelnorm®, a drug approved for IBS that is an agonist for the serotonin receptor 5HT4.

Suckling Mouse Model of Intestinal Secretion (SuMi Assay)

[0233] The peptides of the invention can be tested for their ability to increase intestinal secretion using a suckling mouse model of intestinal secretion. In this model a test compound is administered to suckling mice that are between seven and nine days old. After the mice are sacrificed, the gastrointestinal tract from the stomach to the cecum is dissected ("guts"). The remains ("carcass") as well as the guts are weighed and the ratio of guts to carcass weight is calculated. If the ratio is above 0.09, one can conclude that the test compound increases intestinal secretion. Controls for this assay may include wild-type ST peptide and Zelnorm®

Phenylbenzoquinone-Induced Writhing Model

[0234] The PBQ-induced writhing model can be used to assess pain control activity of the peptides and GC-C receptor agonists of the invention. This model is described by Siegmund et al. (1957 Proc. Soc. Exp. Bio. Med. 95:729-731). Briefly, one hour after oral dosing with a test compound, e.g., a peptide, morphine or vehicle, 0.02% phenylbenzoquinone (PBQ) solution (12.5 mL/kg) is injected by intraperitoneal route into the mouse. The number of stretches and writhings are recorded from the 5th to the 10th minute after PBQ injection, and can also be counted between the 35th and 40th minute and between the 60th and 65th minute to provide a kinetic assessment. The results are expressed as the number of stretches and writhings (mean \pm SEM) and the percentage of variation of the nociceptive threshold calculated from the mean value of the vehicle-treated group. The statistical significance of any differences between the treated groups and the control group is determined by a Dunnett's test using the residual variance after a one-way analysis of variance ($P < 0.05$) using SigmaStat Software.

Colonic Hyperalgesia Animal Models

[0235] Hypersensitivity to colorectal distension is a common feature in patients with IBS and may be responsible for the major symptom of pain. Both inflammatory and non-inflammatory animal models of visceral hyperalgesia to distension have been developed to investigate the effect of compounds on visceral pain in IBS.

[0236] I. Trinitrobenzenesulphonic Acid (TNBS)-Induced Rectal Allodynia Model

[0237] Male Wistar rats (220-250 g) are premedicated with 0.5 mg/kg of acepromazine injected intraperitoneally (IP) and anesthetized by intramuscular administration of 100 mg/kg of ketamine. Pairs of nichrome wire electrodes (60 cm in length and 80 μ m in diameter) are implanted in the striated muscle of the abdomen, 2 cm laterally from the white line. The free ends of electrodes are exteriorized on the back of the neck and protected by a plastic tube attached to the skin. Electromyographic (EMG) recordings are started 5 days after surgery. Electrical activity of abdominal striated muscle is recorded with an electroencephalograph machine (Mini VIII, Alvar, Paris, France) using a short time constant (0.03 sec.) to remove low-frequency signals (< 3 Hz).

[0238] Ten days post surgical implantation, trinitrobenzenesulphonic acid (TNBS) is administered to induce rectal inflammation. TNBS (80 mg kg⁻¹ in 0.3 ml 50% ethanol) is administered intrarectally through a silicone rubber catheter introduced at 3 cm from the anus under light diethyl-ether anesthesia, as described (Morteau et al. 1994 *Dig Dis Sci* 39:1239). Following TNBS administration, rats are placed in plastic tunnels where they are severely limited in mobility for several days before colorectal distension (CRD). Experimental compound is administered one hour before CRD which is performed by insertion into the rectum, at 1 cm of the anus, a 4 cm long balloon made from a latex condom (Gue et al, 1997 *Neurogastroenterol. Motil.* 9:271). The balloon is fixed on a rigid catheter taken from an embolectomy probe (Fogarty). The catheter attached balloon is fixed at the base of the tail. The balloon, connected to a barostat is inflated progressively by step of 15 mmHg, from 0 to 60 mmHg, each step of inflation lasting 5 min. Evaluation of rectal sensitivity, as measured by EMG, is performed before (1-2 days) and 3 days following rectal instillation of TNBS.

[0239] The number of spike bursts that corresponds to abdominal contractions is determined per 5 min periods. Statistical analysis of the number of abdominal contractions and evaluation of the dose-effects relationships is performed by a one way analysis of variance (ANOVA) followed by a post-hoc (Student or Dunnett tests) and regression analysis for ED50 if appropriate.

[0240] II. Stress-Induced Hyperalgesia Model

[0241] Male Wistar Rats (200-250 g) are surgically implanted with nichrome wire electrodes as in the TNBS model. Ten days post surgical implantation, partial restraint stress (PRS), is performed as described by Williams et al. for two hours (Williams et al. 1988 *Gastroenterology* 64:611). Briefly, under light anaesthesia with ethyl-ether, the fore-shoulders, upper forelimbs and thoracic trunk are wrapped in a confining harness of paper tape to restrict, but not prevent body movements. Control sham-stress animals are anaesthetized but not wrapped. Thirty minutes before the end of the PRS session, the animals are administered test-compound or vehicle. Thirty minutes to one hour after PRS completion, the CRD distension procedure is performed as described above for the TNBS model with barostat at pressures of 15, 30, 45 and 60 mm Hg. Statistical analysis on the number of bursts is determined and analyzed as in the TNBS model above.

Administration of Peptides and GC-C Receptor Agonists

[0242] For treatment of gastrointestinal disorders, the peptides and agonists of the invention are can be administered orally, e.g., as a tablet or cachet containing a predetermined amount of the active ingredient, pellet, gel, paste, syrup, bolus, electuary, slurry, capsule; powder; granules; as a solution or a suspension in an aqueous liquid or a non-aqueous liquid; as an oil-in-water liquid emulsion or a water-in-oil liquid emulsion, via a liposomal formulation (see, e.g., EP 736299) or in some other form. Orally administered compositions can include binders, lubricants, inert diluents, lubricating, surface active or dispersing agents, flavoring agents, and humectants. Orally administered formulations such as tablets may optionally be coated or scored and may be formulated so as to provide sustained, delayed or controlled release of the active ingredient therein. The peptides and agonists can be co-administered with other agents used to treat gastrointestinal disorders including but not limited to acid suppressing agents such as Histamine-2 receptor ago-

nists (H2As) and proton pump inhibitors (PPIs). The peptides and agonists can also be administered by rectal suppository. For the treatment of disorders outside the gastrointestinal tract such as congestive heart failure and benign prostatic hypertrophy, peptides and agonists can be administered parenterally or orally.

[0243] The peptides described herein can be used alone or in combination with other agents. For example, the peptides can be administered together with one or more analgesic peptides or compounds. The analgesic peptide and/or compound can be covalently attached to a peptide described herein or it can be a separate agent that is administered together with or sequentially with a peptide described herein in a combination therapy.

[0244] Combination therapy can be achieved by administering two or more agents, e.g., a peptide described herein and an analgesic peptide or compound, each of which is formulated and administered separately, or by administering two or more agents in a single formulation. Other combinations are also encompassed by combination therapy. For example, two agents can be formulated together and administered in conjunction with a separate formulation containing a third agent. While the two or more agents in the combination therapy can be administered simultaneously, they need not be. For example, administration of a first agent (or combination of agents) can precede administration of a second agent (or combination of agents) by minutes, hours, days, or weeks. Thus, the two or more agents can be administered within minutes of each other or within 1, 2, 3, 6, 9, 12, 15, 18, or 24 hours of each other or within 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14 days of each other or within 2, 3, 4, 5, 6, 7, 8, 9, or weeks of each other. In some cases even longer intervals are possible. While in many cases it is desirable that the two or more agents used in a combination therapy be present in within the patient's body at the same time, this need not be so.

[0245] Combination therapy can also include two or more administrations of one or more of the agents used in the combination. For example, if agent X and agent Y are used in a combination, one could administer them sequentially in any combination one or more times, e.g., in the order X-Y-X, X-X-Y, Y-X-Y, Y-Y-X, X-X-Y-Y, etc.

[0246] The agents, alone or in combination, can be combined with any pharmaceutically acceptable carrier or medium. Thus, they can be combined with materials that do not produce an adverse, allergic or otherwise unwanted reaction when administered to a patient. The carriers or mediums used can include solvents, dispersants, coatings, absorption promoting agents, controlled release agents, and one or more inert excipients (which include starches, polyols, granulating agents, microcrystalline cellulose, diluents, lubricants, binders, disintegrating agents, and the like), etc. If desired, tablet dosages of the disclosed compositions may be coated by standard aqueous or nonaqueous techniques.

[0247] Compositions of the present invention may also optionally include other therapeutic ingredients, anti-caking agents, preservatives, sweetening agents, colorants, flavors, desiccants, plasticizers, dyes, and the like. Any such optional ingredient must be compatible with the compound of the invention to insure the stability of the formulation. The composition may contain other additives as needed, including for example lactose, glucose, fructose, galactose, trehalose, sucrose, maltose, raffinose, maltitol, melezitose, stachyose, lactitol, palatinite, starch, xylitol, mannitol, myoinositol, and

the like, and hydrates thereof, and amino acids, for example alanine, glycine and betaine, and peptides and proteins, for example albumen.

[0248] Examples of excipients for use as the pharmaceutically acceptable carriers and the pharmaceutically acceptable inert carriers and the aforementioned additional ingredients include, but are not limited to binders, fillers, disintegrants, lubricants, anti-microbial agents, and coating agents such as: **BINDERS:** corn starch, potato starch, other starches, gelatin, natural and synthetic gums such as acacia, sodium alginate, alginic acid, other alginates, powdered tragacanth, guar gum, cellulose and its derivatives (e.g., ethyl cellulose, cellulose acetate, carboxymethyl cellulose calcium, sodium carboxymethyl cellulose), polyvinyl pyrrolidone, methyl cellulose, pre-gelatinized starch (e.g., STARCH 1500® and STARCH 1500 LM®, sold by Colorcon, Ltd.), hydroxypropyl methyl cellulose, microcrystalline cellulose (e.g. AVICEL™, such as, AVICEL-PH-101™, -103™ and -105™, sold by FMC Corporation, Marcus Hook, Pa., USA), or mixtures thereof,

FILLERS: talc, calcium carbonate (e.g., granules or powder), dibasic calcium phosphate, tribasic calcium phosphate, calcium sulfate (e.g., granules or powder), microcrystalline cellulose, powdered cellulose, dextrates, kaolin, mannitol, silicic acid, sorbitol, starch, pre-gelatinized starch, or mixtures thereof,

DISINTEGRANTS: agar-agar, alginic acid, calcium carbonate, microcrystalline cellulose, croscarmellose sodium, crospovidone, polacrillin potassium, sodium starch glycolate, potato or tapioca starch, other starches, pre-gelatinized starch, clays, other alginates, other celluloses, gums, or mixtures thereof,

LUBRICANTS: calcium stearate, magnesium stearate, mineral oil, light mineral oil, glycerin, sorbitol, mannitol, polyethylene glycol, other glycols, stearic acid, sodium lauryl sulfate, talc, hydrogenated vegetable oil (e.g., peanut oil, cottonseed oil, sunflower oil, sesame oil, olive oil, corn oil and soybean oil), zinc stearate, ethyl oleate, ethyl laurate, agar, syloid silica gel (AEROSIL 200, W.R. Grace Co., Baltimore, Md. USA), a coagulated aerosol of synthetic silica (Deaussa Co., Plano, Tex. USA), a pyrogenic silicon dioxide (CAB-O-SIL, Cabot Co., Boston, Mass. USA), or mixtures thereof,

ANTI-CAKING AGENTS: calcium silicate, magnesium silicate, silicon dioxide, colloidal silicon dioxide, talc, or mixtures thereof,

ANTIMICROBIAL AGENTS: benzalkonium chloride, benzethonium chloride, benzoic acid, benzyl alcohol, butyl paraben, cetylpyridinium chloride, cresol, chlorobutanol, dehydroacetic acid, ethylparaben, methylparaben, phenol, phenylethyl alcohol, phenoxyethanol, phenylmercuric acetate, phenylmercuric nitrate, potassium sorbate, propylparaben, sodium benzoate, sodium dehydro acetate, sodium propionate, sorbic acid, thimersol, thymo, or mixtures thereof, and

COATING AGENTS: sodium carboxymethyl cellulose, cellulose acetate phthalate, ethylcellulose, gelatin, pharmaceutical glaze, hydroxypropyl cellulose, hydroxypropyl methylcellulose, hydroxypropyl methyl cellulose phthalate, methylcellulose, polyethylene glycol, polyvinyl acetate phthalate, shellac, sucrose, titanium dioxide, carnauba wax, microcrystalline wax, or mixtures thereof.

[0249] The agents either in their free form or as a salt can be combined with a polymer such as polylactic-glycolic acid

(PLGA), poly-(l)-lactic-glycolic-tartaric acid (P(l)LGT) (WO 01/12233), polyglycolic acid (U.S. Pat. No. 3,773,919), polylactic acid (U.S. Pat. No. 4,767,628), poly(M-caprolactone) and poly(alkylene oxide) (U.S. 20030068384) to create a sustained release formulation. Such formulations can be used to implants that release a peptide or another agent over a period of a few days, a few weeks or several months depending on the polymer, the particle size of the polymer, and the size of the implant (see, e.g., U.S. Pat. No. 6,620,422). Other sustained release formulations and polymers for use in such formulations are described in EP 0 467 389 A2, WO 93/24150, U.S. Pat. No. 5,612,052, WO 97/40085, WO 03/075887, WO 01/01964A2, U.S. Pat. No. 5,922,356, WO 94/155587, WO 02/074247A2, WO 98/25642, U.S. Pat. No. 5,968,895, U.S. Pat. No. 6,180,608, U.S. 20030171296, U.S. 20020176841, U.S. Pat. No. 5,672,659, U.S. Pat. No. 5,893,985, U.S. Pat. No. 5,134,122, U.S. Pat. No. 5,192,741, U.S. Pat. No. 5,192,741, U.S. Pat. No. 4,668,506, U.S. Pat. No. 4,713,244, U.S. Pat. No. 5,445,832 U.S. Pat. No. 4,931,279, U.S. Pat. No. 5,980,945, WO 02/058672, WO 9726015, WO 97/04744, and US20020019446. In such sustained release formulations microparticles of peptide are combined with microparticles of polymer. One or more sustained release implants can be placed in the large intestine, the small intestine or both. U.S. Pat. No. 6,011,011 and WO 94/06452 describe a sustained release formulation providing either polyethylene glycols (i.e. PEG 300 and PEG 400) or triacetin. WO 03/053401 describes a formulation which may both enhance bioavailability and provide controlled release of the agent within the GI tract. Additional controlled release formulations are described in WO 02/38129, EP 326 151, U.S. Pat. No. 5,236,704, WO 02/30398, WO 98/13029; U.S. 20030064105, U.S. 20030138488A1, U.S. 20030216307A1, U.S. Pat. No. 6,667,060, WO 01/49249, WO 01/49311, WO 01/49249, WO 01/49311, and U.S. Pat. No. 5,877,224.

[0250] The agents can be administered, e.g., by intravenous injection, intramuscular injection, subcutaneous injection, intraperitoneal injection, topical, sublingual, intraarticular (in the joints), intradermal, buccal, ophthalmic (including intraocular), intranasally (including using a cannula), or by other routes. The agents can be administered orally, e.g., as a tablet or cachet containing a predetermined amount of the active ingredient, gel, pellet, paste, syrup, bolus, electuary, slurry, capsule, powder, granules, as a solution or a suspension in an aqueous liquid or a non-aqueous liquid, as an oil-in-water liquid emulsion or a water-in-oil liquid emulsion, via a micellar formulation (see, e.g. WO 97/11682) via a liposomal formulation (see, e.g., EP 736299, WO 99/59550 and WO 97/13500), via formulations described in WO 03/094886 or in some other form. Orally administered compositions can include binders, lubricants, inert diluents, lubricating, surface active or dispersing agents, flavoring agents, and humectants. Orally administered formulations such as tablets may optionally be coated or scored and may be formulated so as to provide sustained, delayed or controlled release of the active ingredient therein. The agents can also be administered transdermally (i.e. via reservoir-type or matrix-type patches, microneedles, thermal poration, hypodermic needles, iontophoresis, electroporation, ultrasound or other forms of sonophoresis, jet injection, or a combination of any of the preceding methods (Prausnitz et al. 2004, Nature Reviews Drug Discovery 3:115-124)). The agents can be administered using high-velocity transdermal particle injection techniques using the hydrogel particle formulation

described in U.S. 20020061336. Additional particle formulations are described in WO 00/45792, WO 00/53160, and WO 02/19989. An example of a transdermal formulation containing plaster and the absorption promoter dimethylisobornide can be found in WO 89/04179. WO 96/11705 provides formulations suitable for transdermal administration. The agents can be administered in the form a suppository or by other vaginal or rectal means. The agents can be administered in a transmembrane formulation as described in WO 90/07923. The agents can be administered non-invasively via the dehydrated particles described in U.S. Pat. No. 6,485,706. The agent can be administered in an enteric-coated drug formulation as described in WO 02/49621. The agents can be administered intranasally using the formulation described in U.S. Pat. No. 5,179,079. Formulations suitable for parenteral injection are described in WO 00/62759. The agents can be administered using the casein formulation described in U.S. 20030206939 and WO 00/06108. The agents can be administered using the particulate formulations described in U.S. 20020034536.

[0251] The agents, alone or in combination with other suitable components, can be administered by pulmonary route utilizing several techniques including but not limited to intratracheal instillation (delivery of solution into the lungs by syringe), intratracheal delivery of liposomes, insufflation (administration of powder formulation by syringe or any other similar device into the lungs) and aerosol inhalation. Aerosols (e.g., jet or ultrasonic nebulizers, metered-dose inhalers (MDIs), and dry-powder inhalers (DPIs)) can also be used in intranasal applications. Aerosol formulations are stable dispersions or suspensions of solid material and liquid droplets in a gaseous medium and can be placed into pressurized acceptable propellants, such as hydrofluoroalkanes (HFAs, i.e. HFA-134a and HFA-227, or a mixture thereof), dichlorodifluoromethane (or other chlorofluorocarbon propellants such as a mixture of Propellants 11, 12, and/or 114), propane, nitrogen, and the like. Pulmonary formulations may include permeation enhancers such as fatty acids, and saccharides, chelating agents, enzyme inhibitors (e.g., protease inhibitors), adjuvants (e.g., glycocholate, surfactin, span 85, and nafamostat), preservatives (e.g., benzalkonium chloride or chlorobutanol), and ethanol (normally up to 5% but possibly up to 20%, by weight). Ethanol is commonly included in aerosol compositions as it can improve the function of the metering valve and in some cases also improve the stability of the dispersion. Pulmonary formulations may also include surfactants which include but are not limited to bile salts and those described in U.S. Pat. No. 6,524,557 and references therein. The surfactants described in U.S. Pat. No. 6,524,557, e.g., a C8-C16 fatty acid salt, a bile salt, a phospholipid, or alkyl saccharide are advantageous in that some of them also reportedly enhance absorption of the peptide in the formulation. Also suitable in the invention are dry powder formulations comprising a therapeutically effective amount of active compound blended with an appropriate carrier and adapted for use in connection with a dry-powder inhaler. Absorption enhancers which can be added to dry powder formulations of the present invention include those described in U.S. Pat. No. 6,632,456. WO 02/080884 describes new methods for the surface modification of powders. Aerosol formulations may include U.S. Pat. No. 5,230,884, U.S. Pat. No. 5,292,499, WO 01/78694, WO 01/78696, U.S. 2003019437, U.S. 20030165436, and WO 96/40089 (which includes vegetable oil). Sustained release formulations suitable for inhalation are

described in U.S. 20010036481A1, 20030232019A1, and U.S. 20040018243A1 as well as in WO 01/13891, WO 02/067902, WO 03/072080, and WO 03/079885. Pulmonary formulations containing microparticles are described in WO 03/015750, U.S. 20030008013, and WO 00/00176. Pulmonary formulations containing stable glassy state powder are described in U.S. 20020141945 and U.S. Pat. No. 6,309,671. Other aerosol formulations are described in EP 1338272A1 WO 90/09781, U.S. Pat. No. 5,348,730, U.S. Pat. No. 6,436,367, WO 91/04011, and U.S. Pat. No. 6,294,153 and U.S. Pat. No. 6,290,987 describes a liposomal based formulation that can be administered via aerosol or other means. Powder formulations for inhalation are described in U.S. 20030053960 and WO 01/60341. The agents can be administered intranasally as described in U.S. 20010038824.

[0252] Solutions of medicament in buffered saline and similar vehicles are commonly employed to generate an aerosol in a nebulizer. Simple nebulizers operate on Bernoulli's principle and employ a stream of air or oxygen to generate the spray particles. More complex nebulizers employ ultrasound to create the spray particles. Both types are well known in the art and are described in standard textbooks of pharmacy such as Sprowls' American Pharmacy and Remington's The Science and Practice of Pharmacy. Other devices for generating aerosols employ compressed gases, usually hydrofluorocarbons and chlorofluorocarbons, which are mixed with the medicament and any necessary excipients in a pressurized container, these devices are likewise described in standard textbooks such as Sprowls and Remington.

[0253] The agents can be a free acid or base, or a pharmacologically acceptable salt thereof. Solids can be dissolved or dispersed immediately prior to administration or earlier. In some circumstances the preparations include a preservative to prevent the growth of microorganisms. The pharmaceutical forms suitable for injection can include sterile aqueous or organic solutions or dispersions which include, e.g., water, an alcohol, an organic solvent, an oil or other solvent or dispersant (e.g., glycerol, propylene glycol, polyethylene glycol, and vegetable oils). The formulations may contain antioxidants, buffers, bacteriostats, and solutes that render the formulation isotonic with the blood of the intended recipient, and aqueous and non-aqueous sterile suspensions that can include suspending agents, solubilizers, thickening agents, stabilizers, and preservatives. Pharmaceutical agents can be sterilized by filter sterilization or by other suitable means.

[0254] The agent can be fused to immunoglobulins or albumin, or incorporated into a liposome to improve half-life. The agent can also be conjugated to polyethylene glycol (PEG) chains. Methods for pegylation and additional formulations containing PEG-conjugates (i.e. PEG-based hydrogels, PEG modified liposomes) can be found in Harris and Chess, Nature Reviews Drug Discovery 2: 214-221 and the references therein. The peptides of the invention may also be conjugated to, for example, alkyl groups (e.g., C1-C20 straight or branched alkyl groups); fatty acid radicals; and combinations of PEG, alkyl groups and fatty acid radicals (see U.S. Pat. No. 6,309,633; Soltero et al., 2001 Innovations in Pharmaceutical Technology 106-110). The agent can be administered via a nanococheate or cochleate delivery vehicle (BioDelivery Sciences International). The agents can be delivered transmucosally (i.e. across a mucosal surface such as the vagina, eye or nose) using formulations such as that described in U.S. Pat. No. 5,204,108. The agents can be formulated in microcapsules as described in WO 88/01165.

The agent can be administered intra-orally using the formulations described in U.S. 20020055496, WO 00/47203, and U.S. Pat. No. 6,495,120. The agent can be delivered using nanoemulsion formulations described in WO 01/91728A2.

[0255] Suitable pharmaceutical compositions in accordance with the invention will generally include an amount of the active compound(s) with an acceptable pharmaceutical diluent or excipient, such as a sterile aqueous solution, to give a range of final concentrations, depending on the intended use. The techniques of preparation are generally well known in the art, as exemplified by Remington's Pharmaceutical Sciences (18th Edition, Mack Publishing Company, 1995).

[0256] The agents described herein and combination therapy agents can be packaged as a kit that includes single or multiple doses of two or more agents, each packaged or formulated individually, or single or multiple doses of two or more agents packaged or formulated in combination. Thus, one or more agents can be present in first container, and the kit can optionally include one or more agents in a second container. The container or containers are placed within a package, and the package can optionally include administration or dosage instructions. A kit can include additional components such as syringes or other means for administering the agents as well as diluents or other means for formulation.

[0257] Methods to increase chemical and/or physical stability of the agents described herein are found in U.S. Pat. No. 6,541,606, U.S. Pat. No. 6,068,850, U.S. Pat. No. 6,124,261, U.S. Pat. No. 5,904,935, and WO 00/15224, U.S. 20030069182 (via the addition of nicotinamide), U.S. 20030175230A1, U.S. 20030175230A1, U.S. 20030175239A1, U.S. 20020045582, U.S. 20010031726, WO 02/26248, WO 03/014304, WO 98/00152A1, WO 98/00157A1, WO 90/12029, WO 00/04880, and WO 91/04743, WO 97/04796 and the references cited therein.

[0258] Methods to increase bioavailability of the agents described herein are found in U.S. Pat. No. 6,008,187, U.S. Pat. No. 5,424,289, U.S. 20030198619, WO 90/01329, WO 01/49268, WO 00/32172, and WO 02/064166. Glycyrrhizinate can also be used as an absorption enhancer (see, e.g., EP397447). WO 03/004062 discusses *Ulex europaeus* I (UEA1) and UEA1 mimetics which may be used to target the agents of the invention to the GI tract.

Analgesic Agents

[0259] The peptides described herein can be used in combination therapy with an analgesic agent, e.g., an analgesic compound or an analgesic peptide. The analgesic agent can optionally be covalently attached to a peptide described herein. Among the useful analgesic agents are: Ca channel blockers, 5HT receptor antagonists (for example 5HT3, 5HT4 and 5HT1 receptor antagonists), opioid receptor agonists (loperamide, fedotozine, and fentanyl), NK1 receptor antagonists, CCK receptor agonists (e.g., loxiglumide), NK1 receptor antagonists, NK3 receptor antagonists, norepinephrine-serotonin reuptake inhibitors (NSRI), vanilloid and cannabinoid receptor agonists, and sialorphan. Analgesic agents in the various classes are described in the literature.

[0260] Among the useful analgesic peptides are sialorphan-related peptides, including those comprising the amino acid sequence QHNPR (SEQ ID NO:85), including: VQHNPR (SEQ ID NO:86); VRQHNPR (SEQ ID NO:87); VRGQHNPR (SEQ ID NO:88); VRGPQHNPR (SEQ ID NO:89); VRGPRQHNPR (SEQ ID NO:90); VRGPRRQHNPR (SEQ ID NO:91); and RQHNPR (SEQ ID NO:92). Sialorphan-related peptides bind to neprilysin and inhibit neprilysin-mediated breakdown of substance P and Met-enkephalin. Thus, compounds or peptides that are inhibitors of neprilysin

are useful analgesic agents which can be administered with the peptides of the invention in a co-therapy or linked to the peptides of the invention, e.g., by a covalent bond. Sialorphan and related peptides are described in U.S. Pat. No. 6,589,750; U.S. 20030078200 A1; and WO 02/051435 A2.

[0261] Opioid receptor antagonists and agonists can be administered with the peptides of the invention in co-therapy or linked to the peptide of the invention, e.g., by a covalent bond. For example, opioid receptor antagonists such as naloxone, naltrexone, methyl naloxone, nalmefene, cypridime, beta fentanyl, naloxonazine, naltrindole, and nor-binaltorphimine are thought to be useful in the treatment of IBS. It can be useful to formulate opioid antagonists of this type as a delayed and sustained release formulation such that initial release of the antagonist is in the mid to distal small intestine and/or ascending colon. Such antagonists are described in WO 01/32180 A2. Enkephalin pentapeptide (HOE825; Tyr-D-Lys-Gly-Phe-L-homoserine) is an agonist of the mu and delta opioid receptors and is thought to be useful for increasing intestinal motility (Eur. J. Pharm. 219:445, 1992), and this peptide can be used in conjunction with the peptides of the invention. Also useful is trimebutine which is thought to bind to mu/delta/kappa opioid receptors and activate release of motilin and modulate the release of gastrin, vasoactive intestinal peptide, gastrin and glucagons. Kappa opioid receptor agonists such as fedotozine, ketocyclazocine, and compounds described in WO 03/097051 A2 can be used with or linked to the peptides of the invention. In addition, mu opioid receptor agonists such as morphine, diphenyloxyate, frakefamide (H-Tyr-D-Ala-Phe(F)-Phe-NH₂; WO 01/019849 A1) and loperamide can be used.

[0262] Tyr-Arg (kyotorphin) is a dipeptide that acts by stimulating the release of met-enkephalins to elicit an analgesic effect (J. Biol. Chem. 262:8165, 1987). Kyotorphin can be used with or linked to the peptides of the invention.

[0263] CCK receptor agonists such as caerulein from amphibians and other species are useful analgesic agents that can be used with or linked to the peptides of the invention.

[0264] Conotoxin peptides represent a large class of analgesic peptides that act at voltage gated Ca channels, NMDA receptors or nicotinic receptors. These peptides can be used with or linked to the peptides of the invention.

[0265] Peptide analogs of thymulin (FR 2830451) can have analgesic activity and can be used with or linked to the peptides of the invention.

[0266] CCK (CCKa or CCKb) receptor antagonists, including loxiglumide and dexloxiglumide (the R-isomer of loxiglumide) (WO 88/05774) can have analgesic activity and can be used with or linked to the peptides of the invention.

[0267] Other useful analgesic agents include 5-HT4 agonists such as tegaserod/zelnorm and lorexapride. Such agonists are described in: EP1321142 A1, WO 03/053432 A1, EP 505322 A1, EP 505322 B1, U.S. Pat. No. 5,510,353, EP 507672 A1, EP 507672 B1, and U.S. Pat. No. 5,273,983.

[0268] Calcium channel blockers such as ziconotide and related compounds described in, for example, EP 625162 B1, U.S. Pat. No. 5,364,842, U.S. Pat. No. 5,587,454, U.S. Pat. No. 5,824,645, U.S. Pat. No. 5,859,186, U.S. Pat. No. 5,994,305, U.S. Pat. No. 6,087,091, U.S. Pat. No. 6,136,786, WO 93/13128 A1, EP 1336409 A1, EP 835126 A1, EP 835126 B1, U.S. Pat. No. 5,795,864, U.S. Pat. No. 5,891,849, U.S. Pat. No. 6,054,429, WO 97/01351 A1, can be used with or linked to the peptides of the invention.

[0269] Various antagonists of the NK-1, NK-2, and NK-3 receptors (for a review see Giardina et al. 2003 *Drugs* 6:758) can be used with or linked to the peptides of the invention.

[0270] NK1 receptor antagonists such as: aprepitant (Merck & Co Inc), vofopitant, ezlopitant (Pfizer, Inc.), R-673 (Hoffmann-La Roche Ltd), SR-14033 and related compounds described in, for example, EP 873753 A1, U.S. 20010006972 A1, U.S. 20030109417 A1, WO 01/52844 A1, can be used with or linked to the peptides of the invention.

[0271] NK-2 receptor antagonists such as nepadutant (Menarini Ricerche SpA), saredutant (Sanofi-Synthelabo), SR-144190 (Sanofi-Synthelabo) and UK-290795 (Pfizer Inc) can be used with or linked to the peptides of the invention.

[0272] NK3 receptor antagonists such as osanetant (Sanofi-Synthelabo), talnetant and related compounds described in, for example, WO 02/094187 A2, EP 876347 A1, WO 97/21680 A1, U.S. Pat. No. 6,277,862, WO 98/11090, WO 95/28418, WO 97/19927, and Boden et al. (*J Med. Chem.* 39:1664-75, 1996) can be used with or linked to the peptides of the invention.

[0273] Norepinephrine-serotonin reuptake inhibitors such as milnacipran and related compounds described in WO 03/077897 A1 can be used with or linked to the peptides of the invention.

[0274] Vanilloid receptor antagonists such as arvanil and related compounds described in WO 01/64212 A1 can be used with or linked to the peptides of the invention.

[0275] Where the analgesic is a peptide and is covalently linked to a peptide described herein the resulting peptide may also include at least one trypsin or chymotrypsin cleavage site. When present within the peptide, the analgesic peptide may be preceded by (if it is at the carboxy terminus) or followed by (if it is at the amino terminus) a chymotrypsin or trypsin cleavage site that allows release of the analgesic peptide.

[0276] In addition to sialorphan-related peptides, analgesic peptides include: AspPhe, endomorphin-1, endomorphin-2, nocistatin, dalargin, lupron, zicnotide, and substance P.

Methods of Treatment

[0277] The peptides of the invention can be used alone or in combination therapy for the treatment or prevention of cancer, pre-cancerous growths, or metastatic growths. For example, they can be used for the prevention or treatment of: colorectal/local metastasized colorectal cancer, gastrointestinal tract cancer, lung cancer, cancer or pre-cancerous growths or metastatic growths of epithelial cells, polyps, breast, colorectal, lung, ovarian, pancreatic, prostatic, renal, stomach, bladder, liver, esophageal and testicular carcinoma, carcinoma (e.g., basal cell, basosquamous, Brown-Pearce, ductal carcinoma, Ehrlich tumor, Krebs, Merkel cell, small or non-small cell lung, oat cell, papillary, bronchiolar, squamous cell, transitional cell, Walker), leukemia (e.g., B-cell, T-cell, HTLV, acute or chronic lymphocytic, mast cell, myeloid), histiocytoma, histiocytosis, Hodgkin's disease, non-Hodgkin's lymphoma, plasmacytoma, reticuloendotheliosis, adenoma, adeno-carcinoma, adenofibroma, adenolymphoma, ameloblastoma, angiokeratoma, angiolymphoid hyperplasia with eosinophilia, sclerosing angioma, angiomatosis, apudoma, branchionia, malignant carcinoid syndrome, carcinoid heart disease, carcinosarcoma, cementoma, cholangioma, cholesteatoma, chondrosarcoma, chondroblastoma, chondrosarcoma, chordoma, choristoma, craniopharyngioma, chondroma, cylindroma, cystadenocarcinoma, cystadenoma, cystosarcoma phyllodes, dysgenninoma, ependymoma, Ewing sarcoma, fibroma, fibrosarcoma, giant cell tumor, ganglioneuroma, glioblastoma, glomangioma, granulosa cell tumor, gynandroblastoma, hamartoma, hemangioendothelioma, hemangioma, hemangio-pericytoma, hemangiosarcoma, hepatoma, islet cell tumor, Kaposi sar-

coma, leiomyoma, leiomyosarcoma, leukosarcoma, Leydig cell tumor, lipoma, liposarcoma, lymphangioma, lymphangiomyoma, lymphangiosarcoma, medulloblastoma, meningioma, mesenchymoma, mesonephroma, mesothelioma, myoblastoma, myoma, myosarcoma, myxoma, myxosarcoma, neurilemmoma, neuroma, neuroblastoma, neuroepithelioma, neurofibroma, neurofibromatosis, odontoma, osteoma, osteosarcoma, papilloma, paraganglioma, paraganglionia, nonchromaffin, pinealoma, rhabdomyoma, rhabdomyosarcoma, Sertoli cell tumor, teratoma, theca cell tumor, and other diseases in which cells have become dysplastic, immortalized, or transformed.

[0278] The peptides of the invention can be used alone or in combination therapy for the treatment or prevention of: Familial Adenomatous Polyposis (FAP) (autosomal dominant syndrome) that precedes colon cancer, hereditary non-polyposis colorectal cancer (HNPCC), and inherited autosomal dominant syndrome.

[0279] For treatment or prevention of cancer, pre-cancerous growths and metastatic growths, the peptides can be used alone or in combination therapy with radiation or chemotherapeutic agents, an inhibitor of a cGMP-dependent phosphodiesterase or a selective cyclooxygenase-2 inhibitor (a number of selective cyclooxygenase-2 inhibitors are described in WO02062369, hereby incorporated by reference).

[0280] The peptides can be for treatment or prevention of inflammation. Thus, they can be used alone or in combination with inhibitors of cGMP-dependent phosphodiesterase or a selective cyclooxygenase-2 inhibitor for treatment of: organ inflammation, IBD (e.g. Crohn's disease, ulcerative colitis), asthma, nephritis, hepatitis, pancreatitis, bronchitis, cystic fibrosis, ischemic bowel diseases, intestinal inflammations/allergies, coeliac disease, proctitis, eosinophilic gastroenteritis, mastocytosis, and other inflammatory disorders.

[0281] The peptides can also be used alone or in combination therapy to treat or prevent insulin-related disorders, for example: II diabetes mellitus, hyperglycemia, obesity, disorders associated with disturbances in glucose or electrolyte transport and insulin secretion in cells, or endocrine disorders. They can be also used in insulin resistance treatment and post-surgical and non-post surgery decrease in insulin responsiveness.

[0282] The peptides can be used alone or in combination therapy to prevent or treat respiratory disorders, including, inhalation, ventilation and mucus secretion disorders, pulmonary hypertension, chronic obstruction of vessels and airways, and irreversible obstructions of vessels and bronchi.

[0283] The peptides can be used in combination therapy with a phosphodiesterase inhibitor (examples of such inhibitors can be found in U.S. Pat. No. 6,333,354, hereby incorporated by reference).

[0284] The peptides can also be used alone or in combination therapy to prevent or treat: retinopathy, nephropathy, diabetic angiopathy, and edema formation

[0285] The peptides can also be used alone or in combination therapy to prevent or treat neurological disorders, for example, headache, anxiety, movement disorders, aggression, psychosis, seizures, panic attacks, hysteria, sleep disorders, depression, schizoaffective disorders, sleep apnea, attention deficit syndromes, memory loss, and narcolepsy. They may also be used as a sedative.

[0286] The peptides and detectably labeled peptides can be used as markers to identify, detect, stage, or diagnosis diseases and conditions of the small intestine, including: Crohn's disease, colitis, inflammatory bowel disease, tumors, benign tumors, such as benign stromal tumors, adenoma,

angioma, adenomatous (pedunculated and sessile) polyps, malignant, carcinoid tumors, endocrine cell tumors, lymphoma, adenocarcinoma, foregut, midgut, and hindgut carcinoma, gastrointestinal stromal tumor (GIST), such as leiomyoma, cellular leiomyoma, leiomyoblastoma, and leiomyosarcoma, gastrointestinal autonomic nerve tumor, malabsorption syndromes, celiac diseases, diverticulosis, Meckel's diverticulum, colonic diverticula, megacolon, Hirschsprung's disease, irritable bowel syndrome, mesenteric ischemia, ischemic colitis, colorectal cancer, colonic polyposis, polyp syndrome, intestinal adenocarcinoma, Liddle syndrome, Brody myopathy, infantile convulsions, and choreoathetosis

[0287] The peptides can be conjugated to another molecule (e.g., a diagnostic or therapeutic molecule) to target cells bearing the GCC receptor, e.g., cystic fibrosis lesions and specific cells lining the intestinal tract. Thus, they can be used to target radioactive moieties or therapeutic moieties to the intestine to aid in imaging and diagnosing or treating colorectal/metastasized or local colorectal cancer and to deliver normal copies of the p53 tumor suppressor gene to the intestinal tract.

[0288] The peptides can be used alone or in combination therapy to treat erectile dysfunction.

[0289] The peptides can be used alone or in combination therapy to treat inner ear disorders, e.g., to treat Meniere's disease, including symptoms of the disease such as vertigo, hearing loss, tinnitus, sensation of fullness in the ear, and to maintain fluid homeostasis in the inner ear.

[0290] The peptides can be used alone or in combination therapy to treat disorders associated with fluid and sodium retention, e.g., diseases of the electrolyte-water/electrolyte transport system within the kidney, gut and urogenital system, congestive heart failure, hypertension, hypotension, liver cirrhosis, and nephrotic syndrome. In addition they can be used to facilitate diuresis or control intestinal fluid.

[0291] The peptides can be used alone or in combination therapy to treat disorders associated with chloride or bicarbonate secretion, e.g., Cystic Fibrosis.

[0292] The peptides can be used alone or in combination therapy to treat disorders associated with bile secretion. In addition, they can be used to facilitate or control chloride and bile fluid secretion in the gall bladder.

[0293] The peptides can be used alone or in combination therapy to treat disorders associated with liver cell regeneration.

SEQUENCE LISTING

The patent application contains a lengthy "Sequence Listing" section. A copy of the "Sequence Listing" is available in electronic form from the USPTO web site (<http://seqdata.uspto.gov/?pageRequest=docDetail&DocID=US20120196797A1>). An electronic copy of the "Sequence Listing" will also be available from the USPTO upon request and payment of the fee set forth in 37 CFR 1.19(b)(3).

1-52. (canceled)

53. A purified polypeptide comprising the amino acid sequence Asn Asp Glu Cys Glu Leu Cys Val Asn Val Ala Cys Thr Gly Cys Leu (SEQ ID NO:73), wherein one or two amino acids are substituted by a D-isomer of the amino acid.

54. The purified polypeptide of claim 53, wherein two amino acids are substituted by the D-isomer of the amino acid.

55. A purified polypeptide consisting of the amino acid sequence Asn Asp Glu Cys Glu Leu Cys Val Asn Val Ala Cys Thr Gly Cys Leu (SEQ ID NO:73), wherein one or two amino acids are substituted by a D-isomer of the amino acid.

56. The purified polypeptide of claim 55, wherein two amino acids are substituted by the D-isomer of the amino acid.

57. A pharmaceutical composition comprising a polypeptide according to claim 53 and a pharmaceutically acceptable carrier.

58. A method for treating a patient with a gastrointestinal disorder, the method comprising administering to the patient the pharmaceutical composition of claim 57.

59. The method of claim 58, wherein the gastrointestinal disorder is selected from the group consisting of a gastrointestinal motility disorder, irritable bowel syndrome, constipation, a functional gastrointestinal disorder, gastroesophageal reflux disease, functional heartburn, dyspepsia, functional dyspepsia, nonulcer dyspepsia, gastroparesis, chronic intes-

tinal pseudo-obstruction, colonic pseudo-obstruction, Crohn's disease, ulcerative colitis or inflammatory bowel disease.

60. The method of claim 59, wherein the gastrointestinal disorder is dyspepsia, functional dyspepsia or nonulcer dyspepsia.

61. The method of claim 60, wherein the gastrointestinal disorder is functional dyspepsia.

62. The method of claim 59, wherein the gastrointestinal disorder is ulcerative colitis, Crohn's disease or inflammatory bowel disease.

63. The method of claim 62, wherein the gastrointestinal disorder is ulcerative colitis.

64. The method of claim 59, wherein the gastrointestinal disorder is irritable bowel syndrome.

65. The method of claim 64, wherein the irritable bowel syndrome is constipation-predominant irritable bowel syndrome (c-IBS).

66. The method of claim 59, wherein the gastrointestinal disorder is constipation.

67. The method of claim 66, wherein the constipation is idiopathic constipation.

68. The method of claim 59, wherein the gastrointestinal disorder is gastroparesis.

69. A method for increasing gastrointestinal motility in a patient, the method comprising administering to the patient the pharmaceutical composition of claim 57.

70. A method for decreasing gastrointestinal pain or visceral pain in a patient, the method comprising administering to the patient the pharmaceutical composition of claim 57.

71. A method for treating a patient suffering from constipation-predominant irritable bowel syndrome, the method comprising orally administering to the patient a composition comprising a polypeptide consisting of the amino acid sequence Asn Asp Glu Cys Glu Leu Cys Val Asn Val Ala Cys Thr Gly Cys Leu (SEQ ID NO: 73), wherein one or two amino acids are substituted by the D-isomer of the amino acid.

72. The method of claim 71, wherein the polypeptide consists of two amino acids substituted by the D-isomer of the amino acid.

73. A method for treating a patient suffering from constipation, the method comprising orally administering to the patient a composition comprising a polypeptide consisting of the amino acid sequence Asn Asp Glu Cys Glu Leu Cys Val Asn Val Ala Cys Thr Gly Cys Leu (SEQ ID NO: 73), wherein one or two amino acids are substituted by the D-isomer of the amino acid.

74. The method of claim 73, wherein the polypeptide consists of two amino acids substituted by the D-isomer of the amino acid.

75. A method for treating obesity, the method comprising administering to a patient a composition comprising a polypeptide consisting of the amino acid sequence Asn Asp Glu Cys Glu Leu Cys Val Asn Val Ala Cys Thr Gly Cys Leu (SEQ ID NO: 73), wherein one or two amino acids are substituted by the D-isomer of the amino acid.

76. A method for treating a patient with a gastrointestinal disorder, the method comprising administering to the patient a purified polypeptide comprising the amino acid sequence Pro Gly Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO:4), wherein one or two amino acids are substituted by a D-isomer of the amino acid.

77. The method of claim 76, wherein the gastrointestinal disorder is selected from the group consisting of a gastrointestinal motility disorder, irritable bowel syndrome, constipation, a functional gastrointestinal disorder, gastroesophageal reflux disease, functional heartburn, dyspepsia, functional dyspepsia, nonulcer dyspepsia, gastroparesis, chronic intestinal pseudo-obstruction, colonic pseudo-obstruction, Crohn's disease, ulcerative colitis or inflammatory bowel disease.

78. The method of claim 77, wherein the gastrointestinal disorder is dyspepsia, functional dyspepsia or nonulcer dyspepsia.

79. The method of claim 77, wherein the gastrointestinal disorder is ulcerative colitis, Crohn's disease or inflammatory bowel disease.

80. The method of claim 77, wherein the gastrointestinal disorder is irritable bowel syndrome.

81. The method of claim 77, wherein the gastrointestinal disorder is constipation.

82. The method of claim 77, wherein the gastrointestinal disorder is gastroparesis.

83. A method for increasing gastrointestinal motility in a patient, the method comprising administering to the patient a purified polypeptide comprising the amino acid sequence Pro Gly Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys

(SEQ ID NO:4), wherein one or two amino acids are substituted by a D-isomer of the amino acid.

84. A method for decreasing gastrointestinal pain or visceral pain in a patient, the method comprising administering to the patient a purified polypeptide comprising the amino acid sequence Pro Gly Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Cys (SEQ ID NO:4), wherein one or two amino acids are substituted by a D-isomer of the amino acid.

85. A method for treating a patient suffering from constipation-predominant irritable bowel syndrome, the method comprising orally administering to the patient a composition comprising a polypeptide consisting of the amino acid sequence Pro Gly Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO:4), wherein one or two amino acids are substituted by the D-isomer of the amino acid.

86. The method of claim 85, wherein the polypeptide consists of two amino acids substituted by the D-isomer of the amino acid.

87. A method for treating a patient suffering from constipation, the method comprising orally administering to the patient a composition comprising a polypeptide consisting of the amino acid sequence Pro Gly Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Cys (SEQ ID NO:4), wherein one or two amino acids are substituted by the D-isomer of the amino acid.

88. The method of claim 87, wherein the polypeptide consists of two amino acids substituted by the D-isomer of the amino acid.

89. A method for treating obesity, the method comprising administering to a patient a composition comprising a polypeptide consisting of the amino acid sequence Pro Gly Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO:4), wherein one or two amino acids are substituted by the D-isomer of the amino acid.

90. A method of producing a polypeptide consisting of the amino acid sequence Asn Asp Glu Cys Glu Leu Cys Val Asn Val Ala Cys Thr Gly Cys Leu (SEQ ID NO:73), wherein one or two amino acids are substituted by the D-isomer of the amino acid, the method comprising providing a cell harboring a nucleic acid molecule encoding the polypeptide, culturing the cell under conditions in which the polypeptide is expressed, and isolating the expressed polypeptide.

91. A method of producing a polypeptide consisting of the amino acid sequence Asn Asp Glu Cys Glu Leu Cys Val Asn Val Ala Cys Thr Gly Cys Leu (SEQ ID NO:73), the method comprising chemically synthesizing the polypeptide and then purifying the synthesized polypeptide.

92. A method of producing a polypeptide consisting of the amino acid sequence Pro Gly Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO:4), wherein one or two amino acids are substituted by the D-isomer of the amino acid, the method comprising providing a cell harboring a nucleic acid molecule encoding the polypeptide, culturing the cell under conditions in which the polypeptide is expressed, and isolating the expressed polypeptide.

93. A method of producing a polypeptide consisting of the amino acid sequence Pro Gly Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys (SEQ ID NO:4), the method comprising chemically synthesizing the polypeptide and then purifying the synthesized polypeptide.

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