



**World Health
Organization**

Viral gene sequences to assist update diagnostics for swine influenza A(H1N1)

25 April 2009

WHO published a Guidance to influenza laboratories - diagnosing swine influenza A(H1N1) infections of current concern¹. Due to the fact that it is a new reassortant virus, diagnostics has to be updated accordingly.

The full genome sequence of the newly identified swine influenza virus A/California/04/2009 A(H1N1) has been made available by the WHO Collaborating Center in CDC, Atlanta, USA on the GISAID sequence database² and has the following accession numbers.

Further update on availability on other public sequence databases will be provided when available.

- **HA:**
SequenceID: EPI176470
SequenceName: 2009712049_seg4
Length: 1701
Isolate: A/California/04/2009
- **NA:**
SequenceID: EPI176472
SequenceName: 2009712049_seg6
Length: 1410
Isolate: A/California/04/2009
- **M:**
SequenceID: EPI176471
SequenceName: 2009712049_seg7
Length: 972
Isolate: A/California/04/2009
- **PB2:**
SequenceID: EPI176486
SequenceName: 2009712049_1
Length: 2280
Segment: PB2

¹ http://www.who.int/csr/disease/swineflu/swineflu_guidance_labs_20090425.pdf

² <http://www.gisaid.org>



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Proteins: N/A

Isolate: A/California/04/2009

- **PB1:**
SequenceID: EPI176485
SequenceID: 2009712049_2
Length: 2274
Segment: PB1
Proteins: N/A
Isolate: A/California/04/2009
- **PA:**
SequenceID: EPI176484
SequenceName: 2009712049_3
Length: 2151
Segment: PA
Proteins: PA (716aa)
Isolate: A/California/04/2009
- **NP:**
SequenceID: EPI176482
SequenceName: 2009712049_5
Length: 1497
Segment: NP
Proteins: N/A
Isolate: A/California/04/2009
- **NS:**
SequenceID: EPI176483
SequenceName: 2009712049_8
Length: 838
Segment: NS
Proteins: N/A
Isolate: A/California/04/2009