

Isolate detail

Isolate name:	A/muscovy_duck/East_Java/Av106/2013
Isolate ID:	EPI_ISL_307000
Type:	A / H5
Passage details/history:	E1
Lineage:	

Sample information

Collection date:	2013-07-25
Location:	Indonesia / East Java
Host:	Cairina moschata
Additional location information:	Kediri
Additional host information:	
Health status:	Sick
Domestic status:	Domestic
Specimen source:	Cloacal swab
Vaccinated:	N
Strain or commercial product name used for vaccination:	

Institute information

Originating lab:	Institute of Tropical Disease, Universitas Airlangga
Address:	Institute of Tropical Disease, Universitas Airlangga Mulyorejo Surabaya, Indonesia
Sample ID given by the sample provider:	Av106
Submitting lab:	Kobe University Graduate School of Medicine
Address:	Kobe University Graduate School of Medicine Center for Infectious Diseases 7-5-2 Kusunoki-cho, Chuo-ku, Hyogo Prefecture Kobe 650-0017 Japan
Sample ID given by the submitting laboratory:	Av106
Authors:	AM,Nastri; AL,Poetranto; ED,Poetranto; SPA,Wahyuningsih; W,Darmanto; EF,Puruhito; L,Wulandari; G,Soegiarto; YK,Shimizu; Y,Mori; K,Shimizu

In vivo antiviral resistance - Unspecified

Adamantanes:	Unknown
Oseltamivir:	Unknown
Zanamivir:	Unknown
Peramivir:	Unknown

Other: Unknown

In vivo antiviral resistance - Genotype: Unknown

In vivo antiviral resistance - Phenotype: Unknown

Antigenic
characterisation:

Note:

Sequence

segment	identifier	length	accession #	INSDC
HA	A/muscovy_duck/East_Java/Av106/2013	1779	EPI1215562	

Submitter information

Submitter: Shimizu, Kazufumi

Submission Date: 2018-04-18

Last modifier: Shimizu, Kazufumi

Last modified: 2018-12-07

Address: Kobe University Graduate School of Medicine Center for Infectious
Diseases 7-5-2 Kusunoki-cho, Chuo-ku, Hyogo Prefecture Kobe
650-0017 Japan



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Analysis

Segm ent	Ty pe	Line age	Identifier	Len gth	Accessi on #
HA	A / H5		A/muscovy_duck/East_Java/Av106/2013	1779	EPI1215562

```

0001  gcgaaagcag gggttcactc tgtcaaaatg gagaagataa
ttcttctatt tgcaacaatc agccttgtca aaagcgatca
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0241  agtgtagcag gatggctcct cggaaatcca ttgtgtgacg
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aacgattatg aagaattgaa acacctattg agcaggataa
0401  accatittga gaaaatacag atcatcccca aagattcttg
gtcagatcat gaagcctcat tgggggtgag gcgagcatgt
0481  tcataccagg gaaattcctc cttcttcaga aatgtggtgt
ggcttatcaa aaaggacaat gcatatccaa caataaagaa
0561  aagctacaat aacaccaacc gagaagatct cttgatactg
tgggggatcc accatcctaa tgatgaggca gagcagacaa
0641  ggctctatca aaatccaact acctatattt ccattgggac
ttcaacacta aaccagagat tggtagcaaa aatagccact
0721  agatccaaaa taaacgggca aagtggcagg atagatttct
tctggacaat tttaaaaccg aatgacgcaa tccacttcga
0801  gagtaatgga aatttcattg ctccagaata tgcatacaaa
attgtcaaga aaggagactc cacaatcatg agaagtgaag

```



Blast

HA



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HA to...



To

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0881 tggaaatg taactgcaac accaggtgtc agactccaat
aggggocgata aactctagta tgccattcca caacatacac
0961 cctctcacca tcggagaatg tcccaaataat gtgaaatcaa
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1041 aagagagaga agaagaaaaa ggggactggt tggagctata
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acactcagtt tgaggctgta ggaagggagt ttaataactt
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tctatcacia atgtaataat gaatgtatgg aaagtgtgag
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1601 caataggaat ctaccaaata ctgtcaattt attcaacagt
ggcgagttcc ctagtgctgg caatcatgat ggctggtcta
1681 tccttatgga tgtgttccaa cgggtcgtta cagtgcagaa
tttgcattta agtttgtgaa ttcagattgt agttaaaaac
1761 acccttggtt ctactctat

gene HA complete CDS

0001 MEKIILLFAT ISLVKSDHIC IGYHANNSTE QVDTIMEKNV
TVTHAQDILE KTHNGKLCDL NGVKPLILKD CSVAGWLLGN
0081 PLCDEFTNVP EWSYIVEKAN PANDLCYPGN FNDYEELKHL
LSRINHFEKI QIIPKDSWSD HEASLGVSAA CSYQGNSSFF
0161 RNVVWLIKD NAYPTIKKSY NNTNREDLLI LWGIHHPNDE
AEQTRLYQNP TTYISIGTST LNQLVPKIA TRSKINGQSG
0241 RIDFFWTILK PNDAIHFESN GNFIPEYAY KIVKKGDSI
MRSEVEYGNC NTRCQTPIGA INSSMPFHNI HPLTIGECPK
0321 YVKSINKLVLA TGLRNSPQRE RRRKRGLFGA IAGFIEGGWQ
GMVDGWYGYH HSNEQGSYGA ADKESTQKAI DGVTNKVNSI
0401 IDKMNTQFEA VGREFNNLER RIENLNKKME DGFLDVWTYN
AELLVLMENE RTLDFHDSNV KNLYDKVRLQ LKDNAKELGN
0481 GCFEFYHKCN NECMESVRNG TYDYPQYSEE ARLKREEISG
VKLESIGIYQ ILSIYSTVAS SLVLAIMMAG LSLWMCSNGS
0561 LQCRICI



Blast gene HA



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