

**Isolate detail**

Isolate name: A/duck/East\_Java/Av689/2016  
 Isolate ID: EPI\_ISL\_307222  
 Type: A / H3  
 Passage details/history: E1  
 Lineage:

**Sample information**

Collection date: 2016-01-16  
 Location: Indonesia / East Java  
 Host: Anas sp.  
 Additional location information: Sidoarjo  
 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: Av689  
 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: Av689  
 Authors: ED,Poetranto; AY,Candra; RR,Prasetya; AM,Nastri; JR,Dewantari; AL,Poetranto; 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/duck/East_Java/Av689/2016	1738	EPI1216606	

### Submitter information

Submitter: Shimizu, Kazufumi

Submission Date: 2018-04-20

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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Segment	Type	Lineage	Identifier	Length	Accession #
HA	A / H3		A/duck/East_Java/Av6 89/2016	1738	EPI1216 606

```



0001 agcaaaagca ggggatactt tcactaatca tgaagatcgt
cattgcattt agctacattc tccatctggc tttaaagtcag
0081 agcctcccag gggatggcaa caatgcagca aactgtgtc
tgggacatca tgcagtggcg aatgggacaa tggtaaagac
0161 aataacagat gaccaaattg aggtgaccaa tgctactgaa
ctagtccaaa gctcttcgac tgggaaaata tgcaacaatc
0241 ctcaaaaaat cctagatggc agggattgca cgctaataga
tgccttattg ggagatcctc attgtgatgt ctttcaggat
0321 gaaacatggg acctttttgt agagcgaagc agtgctttta
gcaattgta tccttacgat attccagatc acgcatccct
0401 tcggctactg gtcgcatcat caggaacatt ggagtttata
accgaaggct tcacttggac aggtgtgact caaaatggag
0481 ggagcgggac ctgcaaaaaga ggacctgcta acggcttctt
tagtaggttg aattggttaa ccaaatcagg aagccaatac
0561 ccaatattga acgtgacct gccgaataat gacaattttg
acaaattgta catctggggg gtccaccatc cgagcaciaa
0641 tcaagaacag accagtctat atgttcaatc ctgaggaaga
gtcacagtct ccaccagaag aagccaacag actataatcc
0721 cgaacattgg atctagacct tgggtgaggg gtcaatctgg
aagaataagc atctattgga caatagtcaa acctggagac
0801 atattgataa tcaacagtaa tggaaatcta attgcccta
gggctattt caagatgcg actgggaaaa gctcaataat
    
```


- Blast HA
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0881 gagatcagat gcacctattg acacctgcat ctcggaatgc  
atcaccccaa atggaagtat accaaatgat aaaccctttc  
0961 aaaatataaa caagataaca tatggggcgt gcccacaata  
tgtaaaacaa aacaccctga agttggcaac gggaatgcgg  
1041 aatgtaccgg agaaacaaac cagaggtctc tttggtgcaa  
tagcaggctt catagaaaaat ggatgggaag gaatggtaga  
1121 cggctggtat ggattcagac atcaaaattc agaaggtgca  
ggacaagcgg cggatctcaa aagtactcaa gcagccatcg  
1201 atcagataaa tgggaaactg aacagagtga ttgaaaaaac  
aatgaaaaa tttcaccaga ttgaaaaaga attctccgag  
1281 gtagagggga ggattcaaga cttgagaaa tatggtgaag  
acacaaaaat agacctctgg tcttacaatg cggactcct  
1361 tgttgcctta gagaatcagc atacgattga tttgaccgat  
tcagaaatga acaaattggt tgaaaaaac aggagacaac  
1441 tgagagagaa tgctgaagac atgggtaatg gttgtttcaa  
gatatatcac aagtgtgaca atgcctgcat agaatcaatt  
1521 agaaatggga cttatgatca tgacatatat agagatgagg  
cattgaacaa tcggttccag atcaaaggtg ttgaactgaa  
1601 gtctggatac aaagactgga tattgtggat ttcctttgcc  
atatcatgct ttttgctttg tgttgttcta ctgggcttca  
1681 tcatgtgggc ctgccagaga ggcaacatca ggtgcaatat  
ttgcatttga gtttatga

## gene HA complete CDS

0001 MKIVIAFSYI LHLALSQSLP GDGNNATLC LGHHAVANGT  
MVKTITDDQI EVTNATELVQ SSSTGKICNN PHKILDGRDC  
0081 TLIDALLGDP HCDVFQDETW DLFVERSSAF SNCYPYDIPD  
HASLRSLVAS SGTLEFITEG FTWTGVTQNG GSGACKRGPA  
0161 NGFFSRLNWL TKSGSQYPIL NVTMPNNDNF DKLYIWGVHH  
PSTNQEQTSL YVQSSGRVTV STRRSQQTII PNIGSRPWVR  
0241 GQSGRISIYW TIVKPGDILI INSNGLIAP RGYFKMRTGK  
SSIMRSDAPI DTCISECITP NGSIPNDKPF QNINKITYGA  
0321 CPKYVKQNTL KLATGMRNVP EKQTRGLFGA IAGFIENGWE  
GMVDGWYGFH HONSEGAGQA ADLKSTQAAI DQINGKLNVR  
0401 IEKTNEKFHQ IEKEFSEVEG RIQDLEKYVE DTKIDLWSYN  
AELLVALENQ HTIDLTSEM NKLFEKTRRQ LRENAEDMGN  
0481 GCFKIYHKCD NACIESIRNG TYDHDIYRDE ALNNRFQIKG  
VELKSGYKDW ILWISFAISC FLLCVVLLGF IMWACQRGNI  
0561 RCNICI

 Blast gen  
e HA  
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