

Influenza A virus (A/Gdansk/037/2009(H1N1)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds
GenBank: HM590431.1

FASTA Graphics

Go to:

LOCUS HM590431 982 bp cRNA linear VRL 29-JUN-2010

DEFINITION Influenza A virus (A/Gdansk/037/2009(H1N1)) segment 7 matrix protein 2 (M2) and matrix protein 1 (M1) genes, complete cds.

ACCESSION HM590431

VERSION HM590431.1

DBLINK BioProject: PRJNA37813

KEYWORDS .

SOURCE Influenza A virus (A/Gdansk/037/2009(H1N1))

ORGANISM Influenza A virus (A/Gdansk/037/2009(H1N1))
Viruses; Riboviria; Orthornavirae; Negarnaviricota;
Polyploviricotina; Insthoviricetes; Articulavirales;
Orthomyxoviridae; Alphainfluenzavirus.

REFERENCE 1 (bases 1 to 982)

AUTHORS Nidzworski,D., Gromadzka,B. and Szewczyk,B.

TITLE Direct Submission

JOURNAL Submitted (28-JUN-2010) Department of Molecular Virology,
University of Gdansk, Kladki 24, Gdansk, Pomorskie 80-822, Poland

COMMENT Swine influenza A (H1N1) virus isolated during human swine flu outbreak of 2009.

FEATURES Location/Qualifiers

source	1..982 /organism="Influenza A virus (A/Gdansk/037/2009(H1N1))" /mol_type="viral cRNA" /strain="A/Gdansk/037/2009" /serotype="H1N1" /isolation_source="nasopharyngeal swab" /host="Homo sapiens; sex M" /db_xref="taxon:859255" /segment="7" /country="Poland" /collection_date="20-Nov-2009" /note="lineage: swl"
gene	1..982 /gene="M2"
CDS	join(1..26,715..982) /gene="M2" /codon_start=1

/product="matrix protein 2"
/protein_id="ADJ41783.1"

/translation="MSLLTEVETPTRSEWECRCSDSSDPLVIAANIIGILHLILWITD

RLFFKCIYRRFKYGLKRGPESTEGVPESMREEYQQEQQSAVDVDDGHFVNIELE"

gene 1..759
/gene="M1"
CDS 1..759
/gene="M1"
/codon_start=1
/product="matrix protein 1"
/protein_id="ADJ41784.1"

/translation="MSLLTEVETYVLSIIPSGPLKAEIAQRLESVFAGKNTDLEALME

WLKTRPILSPLTKGILGFVFTLTVPSEGLQRRRFVQNALNGNGDPNNMDRAVKLYKK

LKREITFHGAKEVSLSYSTGALASCMGLIYNRMGTVTTEAAFGLVCATCEQIADSQHR

SHRQMATTNPLIRHENRMVLASTTAKAMEQMAGSSEQAAEAMEVANQTRQMVHAMRT
IGTHPSSSAGLKDDLLENLQAYQKRMGVQMQRFK"

ORIGIN

```
1 atgagtcttc taaccgaggt cgaacgtac gttctttcta tcatcccgtc agggcccctc
61 aaagccgaga tcgcgagag actggaaagt gtctttgcag gaaagaacac agatcttgag
121 gctctcatgg aatggctaaa gacaagacca atctgtcac ctctgactaa gggaatttta
181 ggatttggtg tcacgctcac cgtgcccagt gagcgaggac tgcagcgtag acgcttgtc
241 caaatgccc taaatgggaa tggggacccg aacaacatgg atagagcagt taaactatac
301 aagaagctca aaagagaaat aacgttccat ggggccaagg aggtgtcact aagctattca
361 actggtgcac ttgccagtg catgggcctc atatacaaca ggatgggaac agtgaccaca
421 gaagctgctt ttggtctagt gtgtgccact tgtgaacaga ttgctgattc acagcatcgg
481 ttcacagac agatggctac taccaccaat ccactaatca ggcatgaaaa cagaatggtg
541 ctggctagca ctacggcaaa ggctatggaa cagatggctg gatcgagtga acaggcagcg
601 gaggccatgg aggttgctaa tcagactagg cagatggtag atgcaatgag aactattggg
661 actcatccta gctccagtgc tgggtcgaaa gatgaccttc ttgaaaattt gcaggcctac
721 cagaagcgaa tgggagtgca gatgcagcga ttcaagtgat cctctcgta ttgcagcaaa
781 tatcattggg atctgcacc tgatattgtg gattactgat cgtcttttt tcaaattgat
841 ttatcgtcgc tttaaatacg gtttgaagag agggccttct acggaaggag tgctgagtc
901 catgagggaa gaatatcaac aggaacagca gaggctgtg gatgtgacg atggtcattt
961 tgtcaacata gagctggagt aa
```

//