

Table S1: mRNA sequences for A/Udorn/H3N2 putative splice variants.

>udornh3n2_segment7_825_nt

AGCAAAAGCAGGTGATATTGTGGATTCTTGATCGTCTTTTTTTTCAAATGCATCTATCGATTCTTTGAA
CACGGTCTGAAAAGAGGGCCTTCTACGGAAGGAGTACCTGAGTCTATGAGGGAAGAATATCGAAAGGA
ACAGCAGAGTGCTGTGGATGCTGACGACAGTCATTTTGTGAGCATAGAGCTGGAGTAAAAAACTACCT
TGTTTCTACT

>udornh3n2_segment6_926_nt

AGCAAAAGCAGGTAGATATAAATGTGAAAGATTATAGCATTGATTCCAGTTATGTGTGCTCAGGGCTT
GTTGGCGACACACCCAGAAACAACGACAGATCTAGCAATAGCTATTGCCGGAATCCTAACAAATGAGAA
AGGGAATCACGGAGTGAAAGGCTGGGCCTTTGACGATGGAAATGACGTGTGGATGGGAAGAACGATCA
GCGAGGATTCACGCTCAGGTTATGAAACCTTCAAAGTCATTGGTGGTTGGTCCACACCTAATCCAAA
TTGCAGATAAATAGGCAAGTCATAGTTGACAGCGATAATAGGTCAGGTTATTCTGGTATTTTCTCTGT
TGAGGGCAAAGCTGCATCAATAGGTGCTTTTATGTGGAGTTGATAAGGGGAAGGGAACAGGAAACTA
GAGTATGGTGGACCTCAAACAGTATTGTTGTGTTTTGTGGCACTTCAGGTACCTATGGGACAGGCTCA
TGGCCTGATGGGGCGGACATCAATCTCATGCCTATATAAGCTTTCGCAATTTTAGAAAAAACTCCTT
GTTTCTACT

>udornh3n2_segment6_652_nt

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AAATACTATTCATTGAAGAGGGGAAAATTGTTTCATATTAGCCCATTGTCAGGAAGTGCTCAGCATGTA
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AAAGGGAATCACGGAGTGAAAGGCTGGGCCTTTGACGATGGAAATGACGTGTGGATGGGAAGAACGAT
CAGCGAGGATTCACGCTCAGGTTATGAAACCTTCAAAGTCATTGGTGGTTGGTCCACACCTAATTCCA
AATTGCAGATAAATAGGCAAGTCATAGTTGACAGCGATAATAGGTCAGGTTATTCTGGTATTTTCTCT
GTTGAGGGCAAAGCTGCATCAATAGGTGCTTTTATGTGGAGTTGATAAGGGGAAGGGAACAGGAAAC
TAGAGTATGGTGGACCTCAAACAGTATTGTTGTGTTTTGTGGCACTTCAGGTACCTATGGGACAGGCT
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TTGTTTCTACT

>udornh3n2_segment5_835_nt

AGCAAAAGCAGGTAATATTGAGAGGGTCAGTTGCTCACAAATCTTGTCTGCCTGCCTGTGTGTATGGA
CCTGCCGTAGCCAGTGGGTACGACTTCGAAAAAGAGGGATACTTTTAGTGGGAATAGACCTTTTCAA
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TGGTGTGGATGGCATGCAATTCTGCTGCATTTGAAGATCTAAGATTATTAAGCTTCATCAGAGGGACC
AAAGTATCTCCAAGGGGAAACTTTCAACTAGAGGAGTACAAATTGCTTCAAATGAAAACATGGATAC
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GGCAGAAATCATAAGGATGATGGAAGGTGCAAAACCAGAAGAAGTGTCCCTTCCGTGGGCGGGGAGTCT
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>udornh3n2_segment4_1493_nt

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GGATCCTGTGGATTTCTTTGCCATATCATGCTTTTTGCTTTGTGTTGTTTTGCTGGGGTTTCATCATG
TGGCCTGCCAGAAAGGCAACATTAGGTGCAACATTTGCATTTGAGTGTATTAGTAATTAACAAACACC
CTTGTCTACT

Table S8: Details of Udorn sequences used to assign identity to segments.

Provided in Fasta format.

Udorn genome/mRNA sequences

Segment 1 UTRs from CY003535

>gi|89892490|gb|CY009643.1| Influenza A virus (A/Udorn/72(H3N2))

segment 1, complete sequence

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AGCAAAAGCAGGTCAATTATATTTCAATATGGAAAGAATAAAAGAACTACGGAATCTGATGTGCGCAGTC
TCGCACTCGCGAGATACTAACAAAAACCACAGTGGACCATATGGCCATAATTAAGAAGTACACATCAG
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TCGTCAATGATGTGGGAGATTAATGGCCCTGAGTCAGTGTGGTCAATACCTATCAATGGATCATCAG
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CAACAAATGAGGGATGTACTTGGGACATTTGATACCACCCAGATAATAAAGCTTCTCCCCTTTGCAGC
CGCCCCACCAAGCAAAGTAGAATGCAGTTCTCTTCATTGACTGTGAATGTGAGGGGATCAGGGATGA
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GAGAGGATTTCTCATTCTAGGTAAGGAAGATAGAAGATACGGACCAGCATTAAAGCATCAATGAACTGA
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Segment 2 UTRS from EF467819

>gi|89892487|gb|CY009642.1| Influenza A virus (A/Udorn/72(H3N2))

segment 2, complete sequence

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ACACCATGGACACAGT
CAACAGAACACATCAATATTCAGAAAAAGGGAAGTGACAACAACACAGAACTGGGGCGCCCAAC
TTAACCAATTGATGGACCACTACCTGAGGATAATGAGCCAAGTGGATATGCACAAACAGACTGTGTC
CTGGAAGCAATGGCTTTCCTTGAAGAATCCCACCCAGGGATCTTTGAAAACCTGTCCTTGAACCGAT
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AATCAGAGGGTTCGTGTACTTTGTTGAAACTCTAGCTAGGAGCATTGTGTGAGAAGCTTGAACAGTCTG
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TCACAAGACACAGAGCTTTCTTTCACAATTACTGGAGACAATACTAAGTGGAAATGAAAATCAAAATCC
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GGAATATGACGCTGTTGCAACTACACACTCCTGGATTTCCAAGAGGAACCGCTCTATTCTCAACACAA
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Segment 3 UTRS FROM CY003533

>gi|89892485|gb|CY009641.1| Influenza A virus (A/Udorn/72(H3N2))

segment 3, complete sequence

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TGCCAGATTTGTATGATTACAAGGAGAATAGATTTCATCGAGATTGGAGTGACAAGGAGAGAAGTCCAC
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TGGGGAGGAAATGGCCACAAAGGCCGACTACACTCTTGATGATGAAAGCAGGGCTAGGATCAAACCA
GGCTATTTACCATAAGACAAGAAATGGCCAACAGAGGCCTCTGGGATTCCTTTGTCAGTCCGAAAGA
GGCGAAGAAACAATTGAAGAAAGATTTGAAATCACAGGAACTATGCGCAGGCTTGCCGACCAAAGTCT
CCCGCCGAATCTCCTGCCTTGAGAATTTTAGAGCCTATGTGGATGGATTGCAACCGAACGGCTGCA
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