	A/CAMBODIA/V0401301/2011 PB2	A/CAMBODIA/V0401301/2011 PB1	A/CAMBODIA/V0401301/2011 PA	A/CAMBODIA/V0401301/2011 HA	A/CAMBODIA/V0401301/2011 NP	A/CAMBODIA/V0401301/2011 NA	A/CAMBODIA/V0401301/2011 M1	A/CAMBODIA/V0401301/2011 M2	A/CAMBODIA/V0401301/2011 NS1	A/CAMBODIA/V0401301/2011 NEP
0.5 - 0.4 - 0.3 -	0. 0. 0.	0.5 0.4 0.3 0.3	0.5 4- 0.4 0.3	0.5 4- 0.4 0.5	0.5 4- 3- 0.3	0.5 - 0.4 - 0.3 -	0.9 0.4	5-4 4-0 3-0	0.5 .4- .3- 0.3	
0.2 - 0.1 - 0.0 - 0	0. 0. 500 1000 1500 2000 2500	0.1 0.0 0 500 1000 1500 2000 2500	0.2 0.1 0.0 0 500 1000 1500 2000 2500	0.2 0.2 0.2 0.0 0.0 0.0	0.2 0.1 0.0 0 500 1000 1500 2000	0.2 - 0.1 - 0.0 -	0 0 0 0 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.2 0.1 0.1 0.0 0 250 500 750 1000	0 250 500 750 1000
	A/CAMBODIA/V0417301/2011 PB2	A/CAMBODIA/V0417301/2011 PB1	A/CAMBODIA/V0417301/2011 PA	A/CAMBODIA/V0417301/2011 HA	A/CAMBODIA/V0417301/2011 NP	A/CAMBODIA/V0417301/2011 NA	A/CAMBODIA/V0417301/2011 M1	A/CAMBODIA/V0417301/2011 M2	A/CAMBODIA/V0417301/2011 NS1	A/CAMBODIA/V0417301/2011 NEP
0.5 - 0.4 - 0.3 -	0. 0. 0.	0.5 - 0.5 0.4 - 0.4 0.3 - 0.3	0.5 4- 3- 0.3	0.5 1- 0.4 0.5	0.5 4- 3- 0.3	0.5 - 0.4 - 0.3 -	0.9 - 0.0 0.3	5 - 0 4 - 0 3 - 0	0.5 4- 3- 0.3	
0.2 - 0.1 - 0.0 -	0. 0. 0. 500 1000 1500 2000 2500	0.2 0.1 0.1 0.0 0 500 1000 1500 2000 2500	0.2 0.1 0.0 0 500 1000 1500 2000 2500	0.2 0.2 0.2 0.3 0.4 0.5 0.0 0.0	0.2 1 - 0 0.1 0 500 1000 1500 2000	0.2 - 0.1 - 0.0 - 0 300 600 900 1200 0	0.2 0.2 0.3 0.4 0.4 0.4 0.6	0 1 - 0 0 - 0 0 300 600 900 1200	0.2 .1- .0- .0 250 500 750 1000	- - - - - - - - - - - - - - - - - - -
O	A/Cambodia/W0112303/2012 PB2	A/Cambodia/W0112303/2012	A/Cambodia/W0112303/2012	A/Cambodia/W0112303/2012	A/Cambodia/W0112303/2012	A/Cambodia/W0112303/2012	A/Cambodia/W0112303/2012	A/Cambodia/W0112303/2012	A/Cambodia/W0112303/2012	A/Cambodia/W0112303/2012
0.5 - 0.4 - 0.3 -	0. 0. 0.	0.5 - 0.4 - 0.4 - 0.3 - 0.3 - 0.3	0.5 4- 3-	0.5 1- 3-	0.5 4- 3-	0.5 - 0.4 - 0.3 -	0.6 - - - 0.6	5-1 4- 3-	0.5 4- 3- 0.4	NEF
0.2 - 0.1 - 0.0 -	0. 0. 0. 0. 0.	0.2	0.2	0.2	0.2	0.2-	0.2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
0	500 1000 1500 2000 2500 A/Cambodia/X0125302/2013	0 500 1000 1500 2000 2500 A/Cambodia/X0125302/2013	0 500 1000 1500 2000 2500 A/Cambodia/X0125302/2013	A/Cambodia/X0125302/2013	0 500 1000 1500 2000 A/Cambodia/X0125302/2013	A/Cambodia/X0125302/2013	0 300 600 900 1200 A/Cambodia/X0125302/2013	0 300 600 900 1200 A/Cambodia/X0125302/2013	A/Cambodia/X0125302/2013	0 250 500 750 1000 A/Cambodia/X0125302/2013
0.5 - 0.4 - 0.3 -	PB2 0. 0. 0.	PB1 0.5 0.5 0.4 - 0.4 0.3 - 0.3	PA 0.5 1- 0.4 3- 0.3	0.5 1- 3- 0.2	NP 5-1 4-1 3-1 0.4	0.5 - 0.4 - 0.3 -	0.9 0.4 0.4	M2 5 - 0 4 - 0 3 - 0	NS1 .5- .4- .3- 0.4	NEP
0.2 - 0.1 - 0.0 -	0. 0. 0.	0.2- 0.1- 0.0- 0.0-	0.2	0.2	0.2 1 - 0.1 0 - 0.0	0.2 - 0.1 - 0.0 -	0.:	0 1- 00	0.2 0.1 0.1 0.0	- - - -
0	500 1000 1500 2000 2500 A/Cambodia/X0128304/2013	0 500 1000 1500 2000 2500 A/Cambodia/X0128304/2013	0 500 1000 1500 2000 2500 A/Cambodia/X0128304/2013	0 500 1000 1500 2000 A/Cambodia/X0128304/2013	0 500 1000 1500 2000 A/Cambodia/X0128304/2013	0 250 500 750 1000 1250 0 A/Cambodia/X0128304/2013	0 300 600 900 1200 A/Cambodia/X0128304/2013	0 300 600 900 1200 A/Cambodia/X0128304/2013	0 250 500 750 1000 A/Cambodia/X0128304/2013	0 250 500 750 1000 A/Cambodia/X0128304/2013
0.5 - 0.4 - 0.3	PB2 0.	PB1 0.5 0.4 0.4 0.5 0.4 0.5 0.4 0.5 0.	PA 0.5	HA 0.5	NP 5-1 4- 0.4	NA 0.5 - 0.4 - 0.3	M1 0.5 0.0	M2 5 0 4 0	NS1 0.5 0.4 0.4	NEP
0.3 - 0.2 - 0.1 -	0. 0. 0.	0.3 0.2- 0.1- 0.0-	0.3		0.3 0.2 1- 0.1	0.3-	0.5	0 2- 0 1- 0	0.3 0.2 0.1 0.1	
0	500 1000 1500 2000 2500 A/Cambodia/X0207301/2013	A/Cambodia/X0207301/2013	0 500 1000 1500 2000 2500 A/Cambodia/X0207301/2013	A/Cambodia/X0207301/2013	A/Cambodia/X0207301/2013	0 250 500 750 1000 1250 0 A/Cambodia/X0207301/2013	A/Cambodia/X0207301/2013	0 300 600 900 1200 A/Cambodia/X0207301/2013	A/Cambodia/X0207301/2013	0 250 500 750 1000 A/Cambodia/X0207301/2013
0.5 - 0.4 -	PB2 0. 0.	PB1 0.5 - 0.4 - 0.4	PA 0.5	HA 0.5	NP 5- 4- 0.4	NA 0.5 - 0.4 -	M1 - - 0.4	M2 5- 0 4- 0	NS1 .5- .4- 0.4	NEP
0.3- 0.2- 0.1-	0. 0. 0.	0.3 0.2 0.1 0.1	0.3 0.2 - 0.1	0.3 2- 0.2 0.3	0.3 2- 1- 0.1	0.3-0.2-0.1-0.0-	0.3	0 2- 1- 0	0.3 0.2 0.1 0.1	
0.0 6	500 1000 1500 2000 2500 A/Cambodia/X0219301/2013	A/Cambodia/X0219301/2013	0 500 1000 1500 2000 2500 A/Cambodia/X0219301/2013	A/Cambodia/X0219301/2013	A/Cambodia/X0219301/2013	0 300 600 900 1200 0 A/Cambodia/X0219301/2013	A/Cambodia/X0219301/2013	0 300 600 900 1200 A/Cambodia/X0219301/2013	A/Cambodia/X0219301/2013	0 250 500 750 1000 A/Cambodia/X0219301/2013
0.5 d 0.4 d	PB2 0. 0.	PB1 0.5 0.4 0.4	PA 0.5	HA 0.5	NP 5- 4- 0.4	NA 0.5 - 0.4 -	M1 0.9	M2 5 0 4 - 0	NS1 .5- .4- 0.5	NEP - human nonsynonymous - human synonymous
0.3- 0.2- 0.1-	0. 0. 0.	0.3 0.2 0.1 0.1	0.3	0.3 2- 0.2 0.7	0.3 2- 1- 0.1	0.3- 0.2- 0.1-	0.5 0.5 0.7	0 2- 1- 0	0.3 2- 0.2 0.1	 → human missense ■ duck nonsynonymous □ duck synonymous
<u>⊼</u> ^{0.0} 1-	500 1000 1500 2000 2500 A/Cambodia/X1030304/2013	0 500 1000 1500 2000 2500 A/Cambodia/X1030304/2013	0 500 1000 1500 2000 2500 A/Cambodia/X1030304/2013	0 500 1000 1500 2000 A/Cambodia/X1030304/2013	0 500 1000 1500 2000 A/Cambodia/X1030304/2013	0 300 600 900 1200 0 A/Cambodia/X1030304/2013	A/Cambodia/X1030304/2013	0 300 600 900 1200 A/Cambodia/X1030304/2013	0 250 500 750 1000 A/Cambodia/X1030304/2013	1 250 500 750 100c × duck missense A/Cambodia/X1030304/2013
0.5 - 0.4 -	PB2 0. 0.	PB1 0.5 0.5 0.4 0.4	PA 0.5 1- 0.4	HA 5+ 4-	NP 5- 4- 0.4	NA - 0.5 - 0.4 -	M1 - - 0.4	M2 5 - 0 4 - 0	NS1 .5-1 0.5 .4-1 0.4	NEP
0.3- 0.2- 0.1-	0. 0. 0.	0.3 0.2 0.1 0.1	0.3 2- 0.2 0.1	0.3 0.2 0.7	0.3 2- 1- 0.1	0.3 - 0.2 - 0.1 -	0.3 0.3 0.0	0 2- 1- 0	.3 - 0.3 .2 - 0.2 .1 - 0.1	
0.0-1_	500 1000 1500 2000 2500 A/duck/Cambodia/083D1/2011	0.0 0 500 1000 1500 2000 2500 A/duck/Cambodia/083D1/2011	0 500 1000 1500 2000 2500 A/duck/Cambodia/083D1/2011	0.0 0 500 1000 1500 2000 A/duck/Cambodia/083D1/2011	0 500 1000 1500 2000 A/duck/Cambodia/083D1/2011	0 300 600 900 1200 0 A/duck/Cambodia/083D1/2011	0 300 600 900 1200 A/duck/Cambodia/083D1/2011	0 300 600 900 1200 A/duck/Cambodia/083D1/2011	0.0 0 250 500 750 1000 A/duck/Cambodia/083D1/2011	0 250 500 750 1000 A/duck/Cambodia/083D1/2011
0.5 - 0.4 -	PB2	PB1 0.5 - 0.4 - 0.4	PA	НА	NP	NA	M1	M2	NS1 .5- 0.5 .4- 0.4	NEP
0.3 - 0.2 - 0.1 -	0. 0. 0.	0.3 0.2 0.1	0.3 2- 0.2 0.1	0.3 2- 0.2 0.2	0.3 2- 1- 0.1	0.3 - 0.2 - 0.1 -	0.3 0.2 0.2	0 2- 1-	0.3 -2- -1- 0.1	
0.0 0	500 1000 1500 2000 2500 A/duck/Cambodia/381W11M4/2013	0.0 \(\frac{1}{0.0} \) 0 500 1000 1500 2000 2500 \(\frac{1}{0.0} \) A/duck/Cambodia/381W11M4/2013	0.0 0 500 1000 1500 2000 2500 A/duck/Cambodia/381W11M4/2013	0.0 0 500 1000 1500 2000 A/duck/Cambodia/381W11M4/2013	0.0 0 500 1000 1500 2000 A/duck/Cambodia/381W11M4/2013	0.0 d 0 300 600 900 1200 0 A/duck/Cambodia/381W11M4/2013	0.0 0 300 600 900 1200 A/duck/Cambodia/381W11M4/2013	0 1 300 600 900 1200 A/duck/Cambodia/381W11M4/2013	.0	0 250 500 750 1000 A/duck/Cambodia/381W11M4/2013
0.5 - 0.4 -	PB2 0.	PB1 0.5-1 0.4-1	PA 0.5	HA 0.5	NP 0.5	NA 0.5 -	M1 0.5	M2 5-1 4-1	NS1 0.5	NEP
0.3 - 0.2 - 0.1 -	0. 0. 0.	0.3 0.2 0.1	0.3 2- 0.2 0.1	0.3 2- 0.2 0.7	0.3 2- 1- 0.1	0.3 - 0.2 - 0.1 -	- - - 0.2 -	3 - 0 2 - 0 1 - 0	0.3 .2- .1- 0.1	
0.0- <u>↓</u> 0	500 1000 1500 2000 2500 A/duck/Cambodia/PV027D1/2010	0.0 1000 1500 2000 2500 A/duck/Cambodia/PV027D1/2010	0.0 0 500 1000 1500 2000 2500 A/duck/Cambodia/PV027D1/2010	0.0 0 500 1000 1500 2000 A/duck/Cambodia/PV027D1/2010	0.0 0 500 1000 1500 2000 A/duck/Cambodia/PV027D1/2010			0 1 0 300 600 900 1200 A/duck/Cambodia/PV027D1/2010	0.0 0 250 500 750 1000 A/duck/Cambodia/PV027D1/2010	- 0 250 500 750 1000 A/duck/Cambodia/PV027D1/2010
0.5	PB2 0.	PB1 0.5 0.4 0.4	PA 0.5	HA 5-1 1-	NP 0.5	NA 0.5-	M1 0.9	M2 5-4- 0	NS1 0.5 .4-	NEP
0.3 - 0.2 - 0.1 -	0. 0. 0.	0.3- 0.2- 0.1-	0.3 2- 0.2 -	0.2	0.3 2- 1-	0.3 - 0.2 - 0.1 -	0.3 - 0.3 - -	0 2 - 0 1 - 0	0.3 .2- .1- 0.1	
0.0-L 0	500 1000 1500 2000 2500 A/duck/Cambodia/V0224301/2014	0.0 0 500 1000 1500 2000 2500 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0 500 1000 1500 2000 2500 0 A/duck/Cambodia/V0224301/2014	0.0 0 500 1000 1500 2000 0 A/duck/Cambodia/V0224301/2014	0.0 0 500 1000 1500 2000 A/duck/Cambodia/V0224301/2014	0.0- 0 300 600 900 1200 0	0.0 0 300 600 900 1200 A/duck/Cambodia/V0324204/2044	0 300 600 900 1200 A/duck/Cambodia/V0224301/2014	0.0 0 250 500 750 1000 A/duck/Cambodia/V0224301/2014	0 250 500 750 1000 A/duck/Cambodia/Y0224301/2014
0.5	A/duck/Cambodia/Y0224301/2014 PB2 0.	A/duck/Cambodia/Y0224301/2014 PB1 0.5	A/duck/Cambodia/Y0224301/2014 PA 0.5	A/duck/Cambodia/Y0224301/2014 HA 51 0.8	A/duck/Cambodia/Y0224301/2014 NP 0.5	A/duck/Cambodia/Y0224301/2014 NA 0.5 -	A/duck/Cambodia/Y0224301/2014 M1	A/duck/Cambodia/Y0224301/2014 M2 5	A/duck/Cambodia/Y0224301/2014 NS1 0.5	A/duck/Cambodia/Y0224301/2014 NEP
0.4 - 0.3 - 0.2 - 0.1 -	0. 0. 0. 0	0.4 0.3 0.2 0.1	0.2 0.3 0.2 0.1	0.2 2- 0.2	0.4 0.3 2- 1-	0.4- 0.3- 0.2-	0.3 - - 0.3	0 3- 2- 1-	0.4 0.3 .2- .1-	
0.0-1	500 1000 1500 2000 2500		0.0 0 500 1000 1500 2000 2500	0.0	0.0 0 500 1000 1500 2000	0.0 - 0.0 -	0.0	0 300 600 900 1200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0 250 500 750 1000	0 250 500 750 1000 A/duals/Operals at the 0/000 100 1/00 1/00
0.5	A/duck/Cambodia/Y0224304/2014 PB2	A/duck/Cambodia/Y0224304/2014 PB1 0.5	A/duck/Cambodia/Y0224304/2014 PA 0.5	A/duck/Cambodia/Y0224304/2014 HA 0.5	A/duck/Cambodia/Y0224304/2014 NP 0.5	A/duck/Cambodia/Y0224304/2014 NA 0.5	A/duck/Cambodia/Y0224304/2014 M1	A/duck/Cambodia/Y0224304/2014 M2	A/duck/Cambodia/Y0224304/2014 NS1 0.5	A/duck/Cambodia/Y0224304/2014 NEP
0.4 0.3 0.2	0. 0. 0.	0.4 0.3 0.2 0.1	0.4 0.3 0.2 0.2	$\begin{bmatrix} 0.4 \\ 0.5 \\ 2 \end{bmatrix}$	0.4 3- 2- 1-	0.4 - 0.3 - 0.2 - 0.4 - 0	0.3	0 3- 2- 1-	0.4 3- 2- 1- 1-	
0.0-	500 1000 1500 2000 2500	0.0 0 500 1000 1500 2000 2500	0.0	0.0	0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.1-	0.0	0 300 600 900 1200	0.1	0 250 500 750 1000