



FIG S1 Absolute number of putative epitopes predicted by Sypeithi or Immuneepitope. Syfpeithi (white bars) and Immuneepitope (black bars) algorithms were used to predict putative epitopes in B/Victoria/2/1987 (V) and B/Yamagata/16/1988 (Y) viruses for the indicated viral proteins (X-axis). Number of epitopes predicted by either program is indicated on the Y-axis). Epitopes predicted by both algorithms are shown in figure 2 and epitope sequences are available on request.

Table S1 Previously published HA accession numbers of influenza B viruses used for phylogeny from the NCBI and GISAID influenza database

Yamagata lineage	NCBI [†]	GISAID [†]	Victoria lineage	NCBI [†]	GISAID [†]
B/Hubei-Wujiagang/158/2009	CY115383		B/Singapore/616/2008		EPI_ISL28576
B/Florida/4/2006	KF009552		B/Philippines/1617/2010		EPI_ISL83789
B/Bangladesh/3333/2007	CY115255		B/Brisbane/33/2008	FJ766843	
B/Wisconsin/1/2010	CY115183		B/Bangladesh/5945/2009	CY115359	
B/Texas/6/2011	KC813979		B/HongKong/259/2010	CY115191	
B/Stockholm/12/2011		EPI_ISL90776	B/Nevada/3/2011	KC813804	
B/Massachusetts/2/2012	KC892118		B/Texas/2/2013	KF216858	
B/Estonia/55669/2011		EPI_ISL90663	B/Hongkong/330/2001	CY018709	
B/Malaysia/412/2012		EPI_ISL128746	B/Townsville/2/2008	CY153146	
B/Wellington/3/2012		EPI_ISL134527	B/Hubei/songzi/51/2008		EPI_ISL28271
B/Brisbane/36/2012		EPI_ISL134485	B/Bangladesh/4008/2008		EPI_ISL28247

B/Sichuan-Anyue/139/2011		EPI_ISL90803	B/Malaysia/2506/2004	CY040449
B/Brisbane/3/2007	CY155898		B/Sydney/12/2008	CY153026
B/Jiangsu/10/2003	CY033844		B/Brisbane/32/2002	CY018701
B/Christchurch/2/2007	CY155890		B/Hongkong/1434/2002	CY018685
B/Johannesburg/1197/2007		EPI_ISL20652	B/Hongkong/1351/2002	CY018861
B/Jilin/20/2003	CY033828		B/Beijing/1/87	X53098
B/Johannesburg/5/99	CY018613			
B/Harbin/7/94	CY040441			
B/Georgia/2/98	CY018405			
B/Arizona/1/2012	KC892020			
B/Iowa/1/2012	KC892010			
B/Utah/1/2012	KC891940			
B/Utah/2/2012	JX827494			
B/Washington/1/2012	CY115183			
B/NewMexico/04/2012	KF216453			
B/Yokohama/82/2012		EPI_ISL133555		
B/Yamanashi/166/98				
B/Shizuoka/15/01	CY019515			
B/Panama/45/90	CY018349			

^{*} National Center for Biotechnology Information (NCBI; <http://www.ncbi.nlm.nih.gov/genomes/FLU>)

[†] Global Initiative on Sharing Avian Influenza Data (GISAID; <http://gisaid.org>)