

HXB2 Position	Seq Feature	No. of Cases (V vs. P) (Incidence per 100 PYRs)	VE(%) (95% CI)		Two-sided P-value	Two-sided Differential VE		
						P-value	FWER P-value	Q-value
6						0.93	1	0.97
	I	77 (1.9) vs. 75 (1.9)	-1.6 (-39.6, 26.1)		0.92			
	Not I	42 (1) vs. 40 (1)	-3.6 (-59.8, 32.8)		0.87			
6						0.91	1	0.97
	M	20 (0.5) vs. 20 (0.5)	1.3 (-83.5, 46.9)		0.97			
	Not M	99 (2.4) vs. 95 (2.4)	-3.1 (-36.6, 22.2)		0.83			
6						0.77	1	0.94
	T	19 (0.5) vs. 20 (0.5)	6.3 (-75.6, 50.0)		0.84			
	Not T	100 (2.5) vs. 95 (2.4)	-4.1 (-37.9, 21.4)		0.78			
19						0.62	1	0.94
	I	103 (2.5) vs. 102 (2.5)	0.2 (-31.2, 24.1)		0.99			
	Not I	16 (0.4) vs. 13 (0.3)	-21.9 (-153.4, 41.4)		0.6			
97						0.77	1	0.94
	E	15 (0.4) vs. 16 (0.4)	7.2 (-87.7, 54.1)		0.83			
	Not E	104 (2.6) vs. 99 (2.5)	-3.8 (-36.7, 21.1)		0.79			
97						0.31	1	0.86
	K	103 (2.5) vs. 94 (2.3)	-8.3 (-43.2, 18.1)		0.58			
	Not K	16 (0.4) vs. 21 (0.5)	24.6 (-44.5, 60.6)		0.4			
122						0.31	1	0.86
	L	110 (2.7) vs. 110 (2.7)	1.1 (-28.8, 24.1)		0.93			
	Not L	9 (0.2) vs. 5 (0.1)	-78.1 (-431.3, 40.3)		0.3			
169						0.61	1	0.94
	E	12 (0.3) vs. 14 (0.3)	14.9 (-83.9, 60.7)		0.68			
	Not E	107 (2.6) vs. 101 (2.5)	-4.7 (-37.4, 20.2)		0.74			
169						0.31	1	0.86
	K	73 (1.8) vs. 63 (1.6)	-14.5 (-60.3, 18.3)		0.43			
	Not K	46 (1.1) vs. 52 (1.3)	12.4 (-30.2, 41.1)		0.51			
169						0.43	1	0.87
	Q	8 (0.2) vs. 11 (0.3)	27.9 (-79.2, 71.0)		0.48			
	Not Q	111 (2.7) vs. 104 (2.6)	-5.5 (-37.8, 19.3)		0.7			
181						0.093	1	0.86
	I	78 (1.9) vs. 63 (1.6)	-22.3 (-70.5, 12.2)		0.23			
	Not I	41 (1) vs. 52 (1.3)	22.0 (-17.5, 48.2)		0.23			
181						0.87	1	0.97
	L	10 (0.2) vs. 9 (0.2)	-10.1 (-170.9, 55.3)		0.83			
	Not L	109 (2.7) vs. 106 (2.6)	-1.6 (-32.8, 22.2)		0.9			
181						0.15	1	0.86
	V	31 (0.8) vs. 40 (1)	23.3 (-22.5, 52.0)		0.27			
	Not V	88 (2.2) vs. 75 (1.9)	-16.0 (-57.8, 14.8)		0.35			
268						0.41	1	0.87
	E	65 (1.6) vs. 69 (1.7)	6.9 (-30.6, 33.7)		0.68			
	Not E	54 (1.3) vs. 46 (1.1)	-16.1 (-72.1, 21.6)		0.46			
268						0.98	1	0.98
	G	26 (0.6) vs. 25 (0.6)	-3.0 (-78.4, 40.5)		0.91			
	Not G	93 (2.3) vs. 90 (2.2)	-2.1 (-36.4, 23.6)		0.89			
268						0.68	1	0.94
	K	21 (0.5) vs. 18 (0.4)	-15.3 (-116.3, 38.6)		0.66			
	Not K	98 (2.4) vs. 97 (2.4)	0.1 (-32.3, 24.6)		0.99			
307						0.36	1	0.86
	I	55 (1.3) vs. 60 (1.5)	9.4 (-30.7, 37.1)		0.6			
	Not I	64 (1.6) vs. 55 (1.4)	-15.0 (-64.9, 19.8)		0.45			
307						0.23	1	0.86
	V	58 (1.4) vs. 47 (1.2)	-22.0 (-79.2, 17.0)		0.31			
	Not V	61 (1.5) vs. 68 (1.7)	11.3 (-25.3, 37.2)		0.5			
343						0.65	1	0.94
	E	31 (0.8) vs. 27 (0.7)	-13.3 (-89.9, 32.3)		0.63			
	Not E	88 (2.2) vs. 88 (2.2)	1.1 (-32.9, 26.4)		0.94			
343						0.59	1	0.94
	K	14 (0.3) vs. 11 (0.3)	-26.3 (-178.3, 42.7)		0.56			
	Not K	105 (2.6) vs. 104 (2.6)	0.2 (-30.8, 23.9)		0.99			
343						0.31	1	0.86
	Q	45 (1.1) vs. 51 (1.3)	12.8 (-30.2, 41.6)		0.5			
	Not Q	74 (1.8) vs. 64 (1.6)	-14.3 (-59.7, 18.2)		0.43			
353						0.25	1	0.86
	F	101 (2.5) vs. 91 (2.3)	-9.7 (-45.7, 17.3)		0.52			
	Not F	18 (0.4) vs. 24 (0.6)	25.9 (-36.5, 59.8)		0.34			
353						0.25	1	0.86
	L	5 (0.1) vs. 9 (0.2)	45.0 (-64.1, 81.6)		0.28			
	Not L	114 (2.8) vs. 106 (2.6)	-6.3 (-38.5, 18.4)		0.65			
353						0.93	1	0.97
	Y	12 (0.3) vs. 12 (0.3)	1.4 (-119.5, 55.7)		0.97			
	Not Y	107 (2.6) vs. 103 (2.6)	-2.7 (-34.7, 21.6)		0.85			
364						0.34	1	0.86
	A	10 (0.2) vs. 6 (0.1)	-64.7 (-353.2, 40.1)		0.33			
	Not A	109 (2.7) vs. 109 (2.7)	1.1 (-28.9, 24.2)		0.93			
364						0.43	1	0.87
	H	20 (0.5) vs. 24 (0.6)	17.5 (-49.4, 54.4)		0.53			
	Not H	99 (2.4) vs. 91 (2.3)	-7.5 (-42.9, 19.1)		0.62			
364						0.95	1	0.97
	P	19 (0.5) vs. 18 (0.4)	-4.4 (-98.9, 45.2)		0.9			
	Not P	100 (2.5) vs. 97 (2.4)	-1.9 (-34.8, 22.9)		0.89			
364						0.82	1	0.96
	S	68 (1.7) vs. 64 (1.6)	-5.0 (-47.7, 25.4)		0.78			
	Not S	51 (1.3) vs. 51 (1.3)	1.1 (-45.9, 32.9)		0.96			
369						0.23	1	0.86
	L	93 (2.3) vs. 97 (2.4)	5.2 (-25.9, 28.7)		0.71			
	Not L	26 (0.6) vs. 18 (0.4)	-42.9 (-160.6, 21.7)		0.24			
369						0.12	1	0.86
	P	21 (0.5) vs. 12 (0.3)	-73.1 (-251.8, 14.8)		0.13			
	Not P	98 (2.4) vs. 103 (2.6)	6.0 (-24.0, 28.7)		0.66			
379						0.16	1	0.86
	G	40 (1) vs. 29 (0.7)	-36.4 (-120.0, 15.4)		0.2			
	Not G	79 (1.9) vs. 86 (2.1)	9.2 (-23.2, 33.1)		0.54			
379						0.2	1	0.86
	R	69 (1.7) vs. 76 (1.9)	10.2 (-24.4, 35.2)		0.52			
	Not R	50 (1.2) vs. 39 (1)	-26.7 (-92.6, 16.7)		0.27			
424						0.77	1	0.94
	I	103 (2.5) vs. 98 (2.4)	-3.9 (-37.0, 21.2)		0.79			
	Not I	16 (0.4) vs. 17 (0.4)	6.9 (-84.2, 53.0)		0.84			
424						0.77	1	0.94
	V	16 (0.4) vs. 17 (0.4)	6.9 (-84.2, 53.0)		0.84			
	Not V	103 (2.5) vs. 98 (2.4)	-3.9 (-37.0, 21.2)		0.79			

-20 0 20 40 60 80
VE (%) (95% CI)