

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
160						0.31	1	0.82
	N	111 (2.7) vs. 103 (2.6)	-6.5 (-39.3, 18.5)		0.64			
	Not N	8 (0.2) vs. 12 (0.3)	34.1 (-61.2, 73.1)		0.36			
161						0.54	1	0.92
	A	22 (0.5) vs. 25 (0.6)	13.0 (-54.2, 51.0)		0.63			
	Not A	97 (2.4) vs. 90 (2.2)	-6.6 (-42.0, 20.0)		0.66			
161						0.17	1	0.65
	I	14 (0.3) vs. 21 (0.5)	34.0 (-29.7, 66.5)		0.23			
	Not I	105 (2.6) vs. 94 (2.3)	-10.4 (-45.8, 16.4)		0.49			
161						0.4	1	0.85
	T	52 (1.3) vs. 44 (1.1)	-16.9 (-74.6, 21.8)		0.45			
	Not T	67 (1.6) vs. 71 (1.8)	6.7 (-30.2, 33.2)		0.68			
161						0.83	1	0.96
	V	22 (0.5) vs. 20 (0.5)	-8.7 (-99.1, 40.7)		0.79			
	Not V	97 (2.4) vs. 95 (2.4)	-1.0 (-34.0, 23.9)		0.95			
164						0.055	0.99	0.57
	E	104 (2.6) vs. 109 (2.7)	5.7 (-23.4, 27.9)		0.67			
	Not E	15 (0.4) vs. 6 (0.1)	-147.0 (-536.6, 4.2)		0.061			
165						0.31	1	0.82
	I	49 (1.2) vs. 55 (1.4)	12.0 (-29.4, 40.1)		0.52			
	Not I	70 (1.7) vs. 60 (1.5)	-15.4 (-62.9, 18.3)		0.42			
165						0.17	1	0.66
	L	56 (1.4) vs. 44 (1.1)	-25.9 (-86.8, 15.2)		0.25			
	Not L	63 (1.5) vs. 71 (1.8)	12.3 (-23.1, 37.5)		0.45			
165						0.36	1	0.82
	V	11 (0.3) vs. 15 (0.4)	27.5 (-57.9, 66.7)		0.42			
	Not V	108 (2.6) vs. 100 (2.5)	-6.8 (-40.1, 18.7)		0.64			
166						0.12	1	0.65
	K	17 (0.4) vs. 9 (0.2)	-86.2 (-317.8, 17.0)		0.13			
	Not K	102 (2.5) vs. 106 (2.6)	4.8 (-24.9, 27.5)		0.72			
166						0.0049	0.28	0.14*
	R	88 (2.2) vs. 102 (2.5)	14.7 (-13.5, 35.8)		0.28			
	Not R	31 (0.8) vs. 13 (0.3)	-135.3 (-349.7, -23.1)		0.0096			
168						0.92	1	0.96
	K	104 (2.6) vs. 101 (2.5)	-1.8 (-33.8, 22.6)		0.9			
	Not K	15 (0.4) vs. 14 (0.3)	-6.1 (-119.8, 48.8)		0.87			
168						0.92	1	0.96
	R	14 (0.3) vs. 14 (0.3)	1.0 (-107.7, 52.8)		0.98			
	Not R	105 (2.6) vs. 101 (2.5)	-2.8 (-35.0, 21.8)		0.85			
170						0.4	1	0.85
	K	52 (1.3) vs. 44 (1.1)	-16.9 (-74.7, 21.7)		0.45			
	Not K	67 (1.6) vs. 71 (1.8)	6.8 (-30.2, 33.2)		0.68			
170						0.92	1	0.96
	Q	38 (0.9) vs. 36 (0.9)	-4.4 (-64.6, 33.8)		0.85			
	Not Q	81 (2) vs. 79 (2)	-1.4 (-38.2, 25.7)		0.93			
170						0.17	1	0.65
	R	14 (0.3) vs. 21 (0.5)	34.3 (-29.2, 66.6)		0.22			
	Not R	105 (2.6) vs. 94 (2.3)	-10.5 (-45.9, 16.4)		0.48			
171						0.16	1	0.65
	K	69 (1.7) vs. 77 (1.9)	11.4 (-22.6, 36.0)		0.47			
	Not K	50 (1.2) vs. 38 (0.9)	-30.0 (-98.2, 14.7)		0.22			
171						0.84	1	0.96
	N	8 (0.2) vs. 7 (0.2)	-12.8 (-211.2, 59.1)		0.82			
	Not N	111 (2.7) vs. 108 (2.7)	-1.6 (-32.4, 22.0)		0.91			
171						0.14	1	0.65
	Q	23 (0.6) vs. 14 (0.3)	-62.5 (-215.9, 16.4)		0.15			
	Not Q	96 (2.4) vs. 101 (2.5)	6.0 (-24.2, 28.9)		0.66			
171						0.82	1	0.96
	R	7 (0.2) vs. 6 (0.1)	-15.4 (-243.3, 61.2)		0.8			
	Not R	112 (2.7) vs. 109 (2.7)	-1.6 (-32.2, 22.0)		0.91			
172						0.77	1	0.95
	A	25 (0.6) vs. 26 (0.6)	5.0 (-64.5, 45.1)		0.86			
	Not A	94 (2.3) vs. 89 (2.2)	-4.4 (-39.5, 21.9)		0.77			
172						0.15	1	0.65
	E	51 (1.3) vs. 60 (1.5)	16.0 (-22.1, 42.1)		0.36			
	Not E	68 (1.7) vs. 55 (1.4)	-22.2 (-74.4, 14.3)		0.27			
172						0.25	1	0.78
	Q	5 (0.1) vs. 9 (0.2)	45.1 (-63.9, 81.6)		0.28			
	Not Q	114 (2.8) vs. 106 (2.6)	-6.3 (-38.5, 18.4)		0.65			
172						0.18	1	0.68
	V	22 (0.5) vs. 14 (0.3)	-55.4 (-203.7, 20.5)		0.2			
	Not V	97 (2.4) vs. 101 (2.5)	5.1 (-25.4, 28.1)		0.71			
173						0.15	1	0.65
	H	11 (0.3) vs. 5 (0.1)	-117.3 (-525.3, 24.5)		0.15			
	Not H	108 (2.6) vs. 110 (2.7)	2.9 (-26.6, 25.6)		0.83			
173						0.012	0.61	0.23
	Y	85 (2.1) vs. 98 (2.4)	14.2 (-14.7, 35.8)		0.3			
	Not Y	34 (0.8) vs. 17 (0.4)	-97.4 (-253.4, -10.3)		0.022			
175						0.66	1	0.95
	L	110 (2.7) vs. 108 (2.7)	-0.7 (-31.3, 22.8)		0.96			
	Not L	9 (0.2) vs. 7 (0.2)	-27.0 (-241.1, 52.7)		0.63			
178						0.63	1	0.94
	K	44 (1.1) vs. 46 (1.1)	5.3 (-43.1, 37.4)		0.79			
	Not K	75 (1.8) vs. 69 (1.7)	-7.4 (-48.9, 22.6)		0.67			
178						0.62	1	0.94
	R	67 (1.6) vs. 61 (1.5)	-8.6 (-53.6, 23.3)		0.64			
	Not R	52 (1.3) vs. 54 (1.3)	4.8 (-39.4, 34.9)		0.8			
179						0.31	1	0.82
	L	70 (1.7) vs. 60 (1.5)	-15.3 (-62.8, 18.3)		0.42			
	Not L	49 (1.2) vs. 55 (1.4)	11.9 (-29.4, 40.1)		0.52			
179						0.24	1	0.78
	P	16 (0.4) vs. 22 (0.5)	28.0 (-37.0, 62.2)		0.32			
	Not P	103 (2.5) vs. 93 (2.3)	-9.5 (-44.9, 17.3)		0.53			
179						0.92	1	0.96
	S	15 (0.4) vs. 14 (0.3)	-5.8 (-119.1, 49.0)		0.88			
	Not S	104 (2.6) vs. 101 (2.5)	-1.8 (-33.9, 22.6)		0.9			

