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
295						0.31	1	0.82
	E	8 (0.2) vs. 12 (0.3)	34.2 (−60.9, 73.1)		0.36			
	Not E	111 (2.7) vs. 103 (2.6)	−6.6 (−39.3, 18.5)		0.64			
295						0.87	1	0.96
	N	34 (0.8) vs. 34 (0.8)	1.0 (−59.3, 38.4)		0.97			
	Not N	85 (2.1) vs. 81 (2)	−3.7 (−40.5, 23.5)		0.82			
295						0.76	1	0.95
	T	12 (0.3) vs. 13 (0.3)	8.7 (−100.1, 58.3)		0.82			
	Not T	107 (2.6) vs. 102 (2.5)	−3.7 (−36.0, 20.9)		0.79			
295						0.95	1	0.97
	V	46 (1.1) vs. 44 (1.1)	−3.3 (−56.2, 31.7)		0.88			
	Not V	73 (1.8) vs. 71 (1.8)	−1.7 (−41.0, 26.7)		0.92			
297						0.52	1	0.92
	I	19 (0.5) vs. 22 (0.5)	14.7 (−57.6, 53.8)		0.61			
	Not I	100 (2.5) vs. 93 (2.3)	−6.3 (−41.0, 19.8)		0.67			
297						0.9	1	0.96
	T	85 (2.1) vs. 83 (2.1)	−1.3 (−37.0, 25.2)		0.93			
	Not T	34 (0.8) vs. 32 (0.8)	−4.9 (−70.1, 35.2)		0.84			
300						0.19	1	0.68
	G	52 (1.3) vs. 60 (1.5)	14.3 (−24.2, 40.9)		0.42			
	Not G	67 (1.6) vs. 55 (1.4)	−20.4 (−72.0, 15.7)		0.31			
300						0.64	1	0.94
	N	48 (1.2) vs. 43 (1.1)	−10.2 (−66.3, 27.0)		0.64			
	Not N	71 (1.7) vs. 72 (1.8)	2.4 (−35.4, 29.7)		0.88			
300						0.34	1	0.82
	S	10 (0.2) vs. 6 (0.1)	−65.0 (−354.0, 40.0)		0.33			
	Not S	109 (2.7) vs. 109 (2.7)	1.2 (−28.9, 24.2)		0.93			
305						1	1	0.99
	K	90 (2.2) vs. 87 (2.2)	−2.3 (−37.4, 23.8)		0.88			
	Not K	29 (0.7) vs. 28 (0.7)	−2.3 (−71.9, 39.1)		0.93			
305						0.93	1	0.96
	R	16 (0.4) vs. 15 (0.4)	−5.4 (−113.2, 47.9)		0.88			
	Not R	103 (2.5) vs. 100 (2.5)	−1.8 (−34.1, 22.7)		0.9			
305						0.95	1	0.97
	T	7 (0.2) vs. 7 (0.2)	1.3 (−181.4, 65.4)		0.98			
	Not T	112 (2.7) vs. 108 (2.7)	−2.5 (−33.6, 21.3)		0.85			
308						0.56	1	0.93
	G	7 (0.2) vs. 9 (0.2)	23.3 (−106.0, 71.4)		0.6			
	Not G	112 (2.7) vs. 106 (2.6)	−4.5 (−36.3, 19.9)		0.75			
308						0.88	1	0.96
	R	108 (2.6) vs. 105 (2.6)	−1.7 (−33.0, 22.3)		0.9			
	Not R	11 (0.3) vs. 10 (0.2)	−8.6 (−155.7, 53.9)		0.85			
316						0.051	0.99	0.57
	A	52 (1.3) vs. 36 (0.9)	−42.9 (−118.5, 6.6)		0.1			
	Not A	67 (1.6) vs. 79 (2)	16.2 (−16.1, 39.5)		0.29			
316						0.09	1	0.65
	T	53 (1.3) vs. 64 (1.6)	18.2 (−17.7, 43.2)		0.28			
	Not T	66 (1.6) vs. 51 (1.3)	−28.1 (−84.5, 11.1)		0.18			
316						0.89	1	0.96
	V	12 (0.3) vs. 11 (0.3)	−8.2 (−145.1, 52.3)		0.85			
	Not V	107 (2.6) vs. 104 (2.6)	−1.7 (−33.2, 22.4)		0.9			
318						0.58	1	0.93
	F	23 (0.6) vs. 19 (0.5)	−19.8 (−120.0, 34.8)		0.56			
	Not F	96 (2.4) vs. 96 (2.4)	1.2 (−31.2, 25.5)		0.94			
318						0.71	1	0.95
	Y	95 (2.3) vs. 94 (2.3)	0.1 (−32.8, 24.9)		0.99			
	Not Y	24 (0.6) vs. 21 (0.5)	−13.1 (−103.1, 37.0)		0.68			
319						0.54	1	0.92
	A	99 (2.4) vs. 99 (2.5)	1.1 (−30.6, 25.2)		0.94			
	Not A	20 (0.5) vs. 16 (0.4)	−23.6 (−138.6, 35.9)		0.53			
319						0.76	1	0.95
	T	15 (0.4) vs. 13 (0.3)	−14.0 (−139.6, 45.7)		0.73			
	Not T	104 (2.6) vs. 102 (2.5)	−0.8 (−32.5, 23.3)		0.95			
320						0.29	1	0.82
	N	13 (0.3) vs. 18 (0.4)	28.6 (−45.6, 65.0)		0.35			
	Not N	106 (2.6) vs. 97 (2.4)	−8.0 (−42.3, 18.0)		0.58			
320						0.37	1	0.82
	T	89 (2.2) vs. 80 (2)	−10.0 (−48.8, 18.6)		0.53			
	Not T	30 (0.7) vs. 35 (0.9)	15.4 (−37.8, 48.0)		0.5			
321						0.97	1	0.98
	G	81 (2) vs. 78 (1.9)	−2.7 (−40.1, 24.8)		0.87			
	Not G	38 (0.9) vs. 37 (0.9)	−1.5 (−59.6, 35.5)		0.95			
321						0.62	1	0.94
	N	13 (0.3) vs. 15 (0.4)	14.2 (−80.2, 59.2)		0.69			
	Not N	106 (2.6) vs. 100 (2.5)	−4.8 (−37.7, 20.3)		0.74			
321						0.76	1	0.95
	gap	10 (0.2) vs. 11 (0.3)	10.3 (−111.2, 61.9)		0.8			
	Not gap	109 (2.7) vs. 104 (2.6)	−3.6 (−35.6, 20.8)		0.79			
322						0.88	1	0.96
	A	11 (0.3) vs. 10 (0.2)	−8.5 (−155.4, 53.9)		0.85			
	Not A	108 (2.6) vs. 105 (2.6)	−1.7 (−33.1, 22.2)		0.9			
322						0.45	1	0.87
	D	69 (1.7) vs. 61 (1.5)	−11.8 (−57.7, 20.8)		0.53			
	Not D	50 (1.2) vs. 54 (1.3)	8.4 (−34.6, 37.7)		0.65			
322						0.74	1	0.95
	E	27 (0.7) vs. 24 (0.6)	−11.3 (−92.9, 35.8)		0.7			
	Not E	92 (2.3) vs. 91 (2.3)	0.1 (−33.5, 25.2)		1			
322						0.11	1	0.65
	gap	5 (0.1) vs. 11 (0.3)	55.1 (−29.2, 84.4)		0.14			
	Not gap	114 (2.8) vs. 104 (2.6)	−8.4 (−41.4, 16.9)		0.55			

VE (%) (95% CI)