

Table S46: VRC01-class %aa mutations testing between selected time points by treatment and VH or VK/VL, among the median mutation values. Testing was done using Wilcoxon signed-rank test for paired data (two-sided,  $\alpha = 0.05$ ) and p values less than 0.05 are highlighted.

	Comparison	Number of Pairs	Median (Range)	P Value
<b>VH</b>				
20µg	Wk-4 (V02) vs. Wk3 (V05)	1	6.1224 [6.1224, 6.1224] vs. 1.0204 [1.0204, 1.0204]	—
	Wk-4 (V02) vs. Wk4 (V06)	1	6.1224 [6.1224, 6.1224] vs. 1.0204 [1.0204, 1.0204]	—
	Wk-4 (V02) vs. Wk8 (V07)	1	6.1224 [6.1224, 6.1224] vs. 1.5306 [1.5306, 1.5306]	—
	Wk4 (V06) vs. Wk8 (V07)	15	1.0204 [0.0000, 2.0408] vs. 1.5306 [0.0000, 3.0928]	0.0522
	Wk8 (V07) vs. Wk9 (V07A)	4	1.7857 [0.5102, 3.0612] vs. 1.7883 [1.0204, 3.5714]	1.0000
	Wk8 (V07) vs. Wk10 (V08)	15	1.5306 [0.0000, 3.0928] vs. 3.0612 [0.0000, 5.1020]	0.0012
	Wk8 (V07) vs. Wk11 (V09)	2	1.8015 [0.5102, 3.0928] vs. 5.6122 [5.1020, 6.1224]	—
	Wk8 (V07) vs. Wk16 (V10)	15	1.5306 [0.0000, 3.0928] vs. 3.0612 [1.0204, 7.1429]	0.0051
	Wk3 (V05) vs. Wk11 (V09)	1	1.0204 [1.0204, 1.0204] vs. 5.1020 [5.1020, 5.1020]	—
	Wk10 (V08) vs. Wk16 (V10)	16	3.0770 [0.0000, 5.1020] vs. 3.0612 [1.0204, 7.1429]	0.8262
100µg	Wk-4 (V02) vs. Wk3 (V05)	3	3.0612 [0.0000, 4.0816] vs. 2.0408 [0.0000, 2.0408]	0.7500
	Wk-4 (V02) vs. Wk4 (V06)	3	3.0612 [0.0000, 4.0816] vs. 0.0000 [0.0000, 1.0204]	0.5000
	Wk-4 (V02) vs. Wk8 (V07)	3	3.0612 [0.0000, 4.0816] vs. 1.5306 [1.0309, 4.0816]	1.0000
	Wk4 (V06) vs. Wk8 (V07)	16	0.0000 [0.0000, 2.0408] vs. 1.5306 [0.0000, 4.0816]	0.0029
	Wk8 (V07) vs. Wk9 (V07A)	10	1.2808 [0.0000, 3.0928] vs. 3.8344 [0.0000, 7.2165]	0.0078
	Wk8 (V07) vs. Wk10 (V08)	15	1.5306 [0.0000, 4.0816] vs. 3.0612 [0.5102, 5.1546]	0.0077
	Wk8 (V07) vs. Wk11 (V09)	8	1.5464 [0.0000, 4.0816] vs. 6.6642 [2.0619, 8.1633]	0.0156
	Wk8 (V07) vs. Wk16 (V10)	15	1.5306 [0.0000, 4.0816] vs. 3.0770 [1.0204, 5.6385]	0.0002
	Wk3 (V05) vs. Wk11 (V09)	5	2.0408 [1.0204, 3.0612] vs. 7.1429 [2.0619, 8.1633]	0.0625
	Wk10 (V08) vs. Wk16 (V10)	15	3.0612 [0.5102, 5.1546] vs. 3.0770 [1.0204, 5.6385]	0.0527
<b>VK/VL</b>				
20µg	Wk-4 (V02) vs. Wk3 (V05)	1	6.4516 [6.4516, 6.4516] vs. 1.0870 [1.0870, 1.0870]	—
	Wk-4 (V02) vs. Wk4 (V06)	1	6.4516 [6.4516, 6.4516] vs. 0.0000 [0.0000, 0.0000]	—
	Wk-4 (V02) vs. Wk8 (V07)	1	6.4516 [6.4516, 6.4516] vs. 0.5376 [0.5376, 0.5376]	—
	Wk4 (V06) vs. Wk8 (V07)	15	0.0000 [0.0000, 2.1978] vs. 1.0870 [0.0000, 4.8387]	0.0059
	Wk8 (V07) vs. Wk9 (V07A)	4	0.8123 [0.0000, 3.3708] vs. 2.6940 [1.0753, 4.3956]	0.5000
	Wk8 (V07) vs. Wk10 (V08)	15	1.0870 [0.0000, 4.8387] vs. 2.1739 [0.0000, 4.3011]	0.0861
	Wk8 (V07) vs. Wk11 (V09)	2	1.6161 [1.0870, 2.1452] vs. 1.8935 [1.6364, 2.1505]	—
	Wk8 (V07) vs. Wk16 (V10)	15	1.0870 [0.0000, 4.8387] vs. 1.6247 [0.0000, 4.3011]	0.0983
	Wk3 (V05) vs. Wk11 (V09)	1	1.0753 [1.0753, 1.0753] vs. 1.6364 [1.6364, 1.6364]	—
	Wk10 (V08) vs. Wk16 (V10)	16	1.9052 [0.0000, 4.3011] vs. 1.6217 [0.0000, 4.3011]	0.9598
100µg	Wk-4 (V02) vs. Wk3 (V05)	3	1.0309 [0.0000, 8.1633] vs. 0.5376 [0.0000, 1.0989]	0.7500
	Wk-4 (V02) vs. Wk4 (V06)	3	1.0309 [0.0000, 8.1633] vs. 0.0000 [0.0000, 1.0753]	0.7500
	Wk-4 (V02) vs. Wk8 (V07)	3	1.0309 [0.0000, 8.1633] vs. 1.6484 [1.0870, 3.2967]	1.0000
	Wk4 (V06) vs. Wk8 (V07)	16	0.0000 [0.0000, 1.0989] vs. 1.0989 [0.0000, 3.2967]	0.0201
	Wk8 (V07) vs. Wk9 (V07A)	10	1.0989 [0.0000, 2.1739] vs. 2.1918 [1.0753, 4.3478]	0.0039
	Wk8 (V07) vs. Wk10 (V08)	15	1.0989 [0.0000, 3.2967] vs. 2.1505 [0.0000, 3.8462]	0.0569
	Wk8 (V07) vs. Wk11 (V09)	8	1.0929 [0.0000, 3.2967] vs. 3.2788 [1.0989, 5.4348]	0.0391
	Wk8 (V07) vs. Wk16 (V10)	15	1.0989 [0.0000, 3.2967] vs. 2.1505 [0.0000, 4.3956]	0.0087
	Wk3 (V05) vs. Wk11 (V09)	5	1.0989 [0.5376, 1.6129] vs. 3.2609 [1.0989, 4.3956]	0.0625
	Wk10 (V08) vs. Wk16 (V10)	15	2.1505 [0.0000, 3.8462] vs. 2.1505 [0.0000, 4.3956]	0.3733