Region #1

Entire Construct

	Codon changes		AA changes			Codon changes		AA changes		
	All	SNV-reachable	All	SNV-reachable		All	SNV-reachable	All	SNV-reachable	
All possible	41265 (100.00%)	4557 (100.00%)	13100 (100.00%)	4065 (100.00%)	All possible	9198 (100.00%)	1013 (100.00%)	2920 (100.00%)	899 (100.00%)	
Detected	· 28130 (68.17%) ·	4557 (100.00%)	12875 (98.28%)	4065 (100.00%)	Detected	6705 (72.90%)	1013 (100.00%)	2907 (99.55%)	899 (100.00%)	
Passed filters	12695 (30.76%)	3021 (66.29%)	· 8 <mark>370 (63.89%</mark>) ·	3428 (84.33%).	Passed filters	3684 (40.05%)	729 (71.96%)	2311 (79.14%)	837 (93.10%)	
sd < 0.3	12275 (29.75%)	2695 (59.14%)	8204 (62.63%)	3281 (80.71%)	sd < 0.3	3601 (39.15%)	664 (65.55%)	2286 (78.29%)	817 (90.88%)	

Region #2 Region #3

	Codon changes		AA changes			Codon changes		AA changes	
	All	SNV-reachable	All	SNV-reachable		All	SNV-reachable	All	SNV-reachable
All possible	9261 (100.00%)	1030 (100.00%)	2940 (100.00%)	924 (100.00%)	All possible	11340 (100.00%)	1244 (100.00%)	3600 (100.00%)	1105 (100.00%)
····· Detected ······	6292 (67.94%)	1030 (100.00%)	2904 (98.78%)	924 (100.00%)	···· Detected ·····	7568 (66.74%)	1244 (100.00%)	3515 (97.64%)	1105 (100.00%)
Detected	0292 (07.94%)	1030 (100.00%)	2904 (98.76%)	924 (100.00%)	Delected	7508 (00.74%)	1244 (100.00%)	3313 (97.04%)	1105 (100.00%)
Passed filters	2980 (32.18%)	637 (61.84%)	2011 (68.40%)	788 (85.28%)	Passed filters	3076 (27.13%)	820 (65.92%)	2091 (58.08%)	898 (81.27%)
									:
····sd·< 0.3 ······	2848 (30.75%)	· 542 (52.62%) · · ·	1955 (66.50%)	742 (80.30%)	sd < 0.3	2980 (26.28%)	747 (60.05%)	2048 (56.89%)	859 (77.74%)

Region #4

	Codon	changes	AA ch	anges
	All	SNV-reachable	All	SNV-reachable
All possible 11466	(100.00%)	1270 (100.00%)	3640 (100.00%)	1137 (100.00%)
Detected 7565	(65.98%)	1270 (100.00%)	3549 (97.50%)	1137 (100.00%)
Passed filters 2955	(25.77%)	835 (65.75%)	· 19 <mark>57 (53.76</mark> %)	905 (79.60%)
sd < 0.32846	(24.82%)	742 (58:43%)	1915 (52.61%)	863 (75.90%)