Entire Construct Region #1

	Codon	changes	AA ch	anges		Codon	changes	AA ch	anges	
	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	27562 (66.79%)	4557 (100.00%)	12824 (97.89%)	4065 (100.00%)	···· Detected ······	6753 (73.42%)	1013 (100.00%)	2903 (99.42%)	899 (100.00%)	
Passed filters	11678 (28.30%)	3114 (68.33%)	7744 (59.11%)	3355 (82.53%)	Passed filters	3625 (39.41%)	774 (76.41%)	2270 (77.74%)	843 (93.77%)	
·····sd·< 0.3······	11243 (27:25%)	2783 (61.07%)	7550 (57.63%)	3189 (78:45%)	sd < 0.3	3482 (37.86%)	694 (68.51%)	2224 (76.16%)	821 (91.32%)	

Region #2 Region #3

	Codon	changes	AA cha	anges		Codon	changes	AA ch	anges
	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 ······	6012 (64.92%)	1030 (100.00%)	2904 (98.78%)	924 (100.00%)	Detected	7125 (62.83%)	1244 (100.00%)	3466 (96.28%)	1105 (100.00%)
···· Passed filters ····	2170 (23.43%)	608 (59.03%)	1526 (51.90%)	694 (75.11%)	··· Passed filters···	2598 (22.91%)	813 (65.35%)	1797 (49.92%)	847 (76.65%)
···sd·< 0.3·····	2068 (22:33%)	519 (50.39%)	···1465 (49:83%)···	635 (68.72%)	··· sd < 0.3 ··· ··	2508 (22:12%)	: 740 (59.49%)	1757 (48.81%)	···809·(73:21%)····

Region #4

Codon o	changes	AA changes		
All	SNV-reachable	All	SNV-reachable	
All possible 11466 (100.00%)	1270 (100.00%)	3640 (100.00%)	1137 (100.00%)	
Detected 7672 (66.91%)	1270 (100.00%)	3551 (97.55%)	1137 (100.00%)	
Passed filters 3285 (28.65%)	919 (72.36%)	· · 2 <mark>151 (59.09%</mark>) ·	971 (85.40%)	
sd < 0.3 3185 (27.78%)	830 (65.35%)	2104 (57.80%)	924 (81.27%)	