Entire Construct

Region #1

	Codon c	hanges	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%)	
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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	12698 (30.77%)	3016 (66.18%)	8368 (63.88%)	3426 (84.28%)	Passed filters	3715 (40.39%)	749 (73.94%)	2314 (79.25%)	841 (93.55%)	
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·····sd·< 0.3 ······	12230 (29.64%)	2662 (58.42%)	8161 (62.30%)	3260-(80.20%)	sd < 0.3	3594 (39.07%)	659 (65.05%)	2279 (78.05%)	814 (90.55%)	

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%)
Passed filters	2974 (32.11%)	631 (61.26%)	2013 (68.47%)	789 (85.39%)	Passed filters	3066 (27.04%)	809 (65.03%)	2089 (58.03%)	896 (81.09%)
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···sd < 0.3 ·····	2837 (30.63%)	531 (51.55%)	1939 (65.95%)	736 (79.65%)	···· sd < 0.3 ·····	2962 (26.12%)	738 (59.32%)	2037 (56.58%)	856 (77.47%)

Region #4

	Codon	changes	AA changes			
	All	SNV-reachable	All	SNV-reachable		
All possible 11	466 (100.00%)	1270 (100.00%)	3640 (100.00%)	1137 (100.00%)		
Detected 7	565 (65.98%)	1270 (100.00%)	3549 (97.50%)	1137 (100.00%)		
Passed filters 2	943 (25.67%)	827 (65.12%)	· 19 <mark>52 (53.63</mark> %) ·	900 (79.16%)		
·····sd·< 0.3 ·····2	837 (24.74%)	734-(57:80%)	1906 (52.36%)	854 (75.11%)		