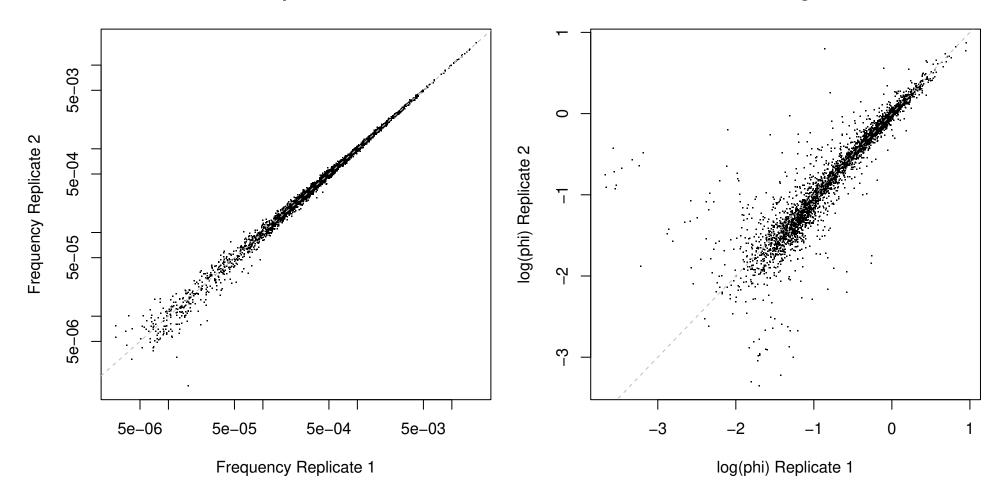
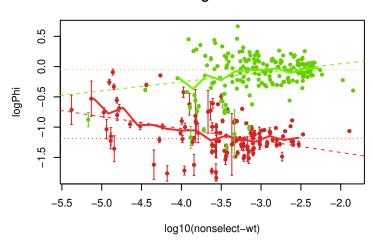
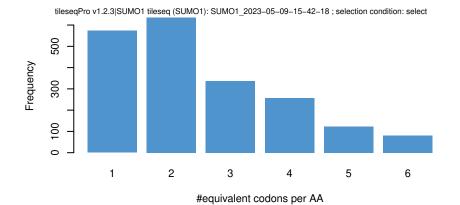
## non-select frequencies R = 0.996

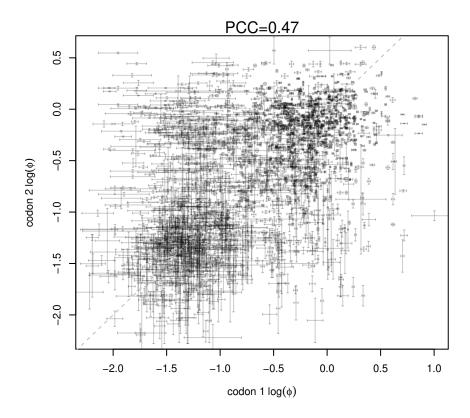
# select / nonselect log-ratio R = 0.909

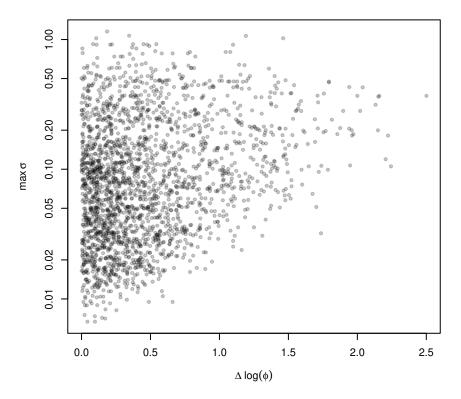


#### Region 1





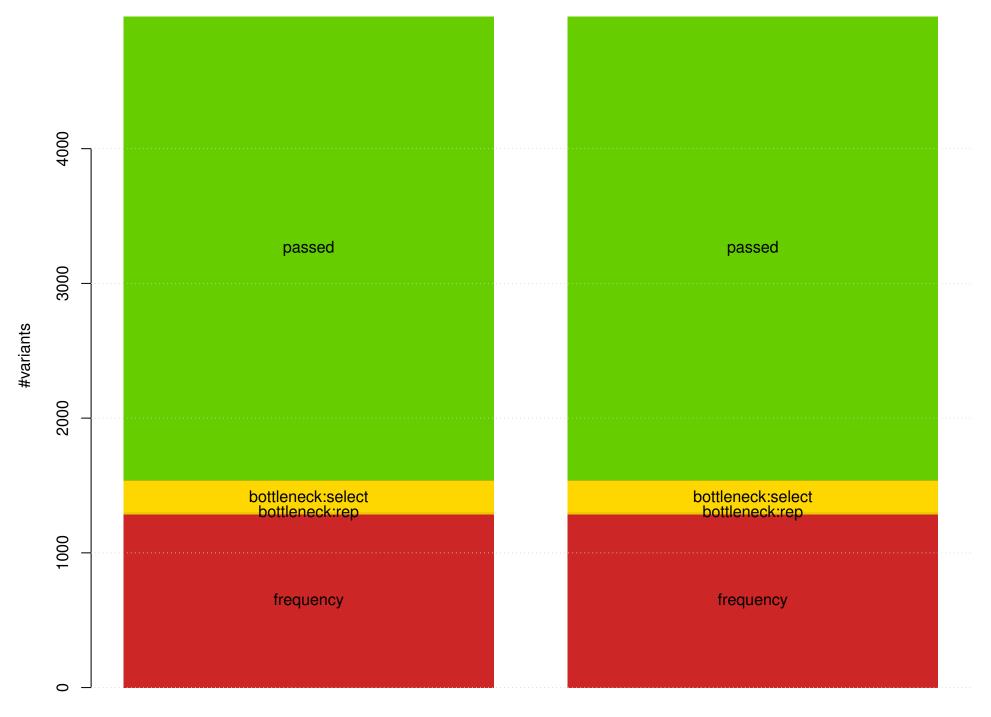




#### **Entire Construct**

### Region #1

	Codon changes		AA changes			Codon changes		AA changes		
	All	SNV-reachable	All	SNV-reachable		All	SNV-reachable	All	SNV-reachable	
All possible	6048 (100.00%)	695 (100.00%)	1920 (100.00%)	615 (100.00%)	All possible	6048 (100.00%)	695 (100.00%)	1920 (100.00%)	615 (100.00%)	
Detected	4981 (82.36%)	695 (100.00%)	1913 (99.64%)	615 (100.00%)	Detected	4981 (82.36%)	695 (100.00%)	1913 (99.64%)	615 (100.00%)	
Detected	4901 (02.3078)	033 (100.00 /8)	1910 (99.0478)	013 (100.0078)	Detected	4901 (02.0078)	093 (100.00 /8)	1910 (99.0478)	013 (100.0078)	
Passed filters	3444 (56.94%)	630 (90.65%)	1838 (95.73%)	606 (98.54%)	Passed filters	3444 (56.94%)	630 (90.65%)	1838 (95.73%)	606 (98.54%)	
		:					:	:		
				:					:	
		:	:	:				:	:	
·····sd < 0.3······	3227 (53.36%)	559 (80:43%)	1784 (92.92%)	. 592 (96.26%)	· · · sd < 0.3 · · · · · ·	3227 (53.36%)	559 (80:43%)	1784 (92.92%)	. 592 (96.26%)	



Region all Region 1

 $tile seq Pro\ v1.2.3 | SUMO1\ tile seq\ (SUMO1):\ SUMO1\_2023-05-09-15-42-18\ ;\ selection\ condition:\ selection$ 

