1450A(E484K 1450A(E484K 1501T(N501Y) 1501T(N501Y)) 1501T(N501Y) 1709A) 1709A(A570D))) 1709A(A570D)	A(A570D)	Abundan 0.115 0.039 0.033 0.038 0.626 0.519 0.621 0.202	N 0.0 0.0 0.0 N 0.3	gles /A 059 037 071 /A 322 /A	Ratio 1 0.653 0.890 0.532 1 1.610 1	Pass/Fail Pass Fail Fail Fail Pass Pass Pass Pass Pass
Singles at Sequence	1450A(E484 oundance 0.115 abundance	•	(N501Y) 1 626 ×	.709A(A5 0.621	70D) =	0.037 0.033	
C Sequence 1501T(N50	1Y) 1709A(A570D)	Count 136755	0.519	1.610			
1501T(N50 1709A(A57	•	165000 163714					
1501T(N50	1Y) 1709A(A570D)	163714					
1501T(N50	1Y) 165000 - 163714	1286					
1709A(A57	(OD)	0					

Figure 4. Schema of Program2's second chimera removal method A. Calculations for determining if a unique sequence passes the initial check. Sequences pass when they have an Abundance/Singles ratio of 1 or greater. B. Calculation of the singles abundance for one of the unique sequences. C. Passed sequences are processed in order of greatest ratio to least. Counts of the sequence are set to the counts of the least abundant single variant, and that count is removed from all other sequences that share a single variant.