

Reaction Conditions - TR3G5

RXN #1				Cocktail Volume (uL)	1695	PCR Cycles			
Reagent	[]	[] Units	Desired []	Des'd [] Units	Amount to add				
Buffer	10	X	1	X	169.5	5 min	@	94	
dNTP's	2	mM Each	0.2	mM Each	169.5	30 sec	@	94	
MgCl2	50	mM	1.5	mM	50.85	30 sec	@	68	5X
TR3G5-F-NED	20	uM	0.255	uM	21.61125	1 min	@	72	
TR3G5-R	20	uM	0.255	uM	21.61125	30 sec	@	94	
Taq	5	U/uL	0.05	U/uL	16.95	30 sec	@	64	5X
DNA	5	ng/uL	10	ng/rxn (2 uL/rxn)	226	1 min	@	72	
Autoclaved ddH2O			to 1130 uL		1018.9775	30 sec	@	94	
					1695	30 sec	@	61	5X
						1 min	@	72	
						30 sec	@	94	
						30 sec	@	58	5X
						1 min	@	72	
						30 sec	@	94	
						30 sec	@	55	10X
						1 min	@	72	
						10 min	@	72	
						Is a 15ul reaction volume			

Don't Dilute Prior to De-Salting

TR3G5 Scoring Criteria

- Allele bins are odd
- Score the +A

