

### Reaction Conditions - TR3H4

RXN #1 Ta = 61				Cocktail Volume (uL)	1695
Reagent	[ ]	[ ] Units	Desired [ ]	Des'd [ ] Units	Amount to add
Buffer	10	X	1	X	169.5
dNTP's	2	mM Each	0.2	mM Each	169.5
Q-Solution	5	X	1	X	339
MgCl2	50	mM	1.5	mM	50.85
TR3H4-F-6FAM	40	uM	0.35	uM	14.83125
TR3H4-R	40	uM	0.35	uM	14.83125
Taq	5	U/uL	0.05	U/uL	16.95
DNA	5	ng/uL	10	ng/rxn (2 uL/rxn)	226
Autoclaved ddH2O			to 1130 uL		693.5375
					1695

Use PCR Cycles PROPDNR			
5 min	@		94
30 sec	@		94
1 min	@		61
1 min	@		72
45 min	@		60

Is a 15 ul reaction

Don't dilute prior to running on the MegaBACE

## **TR3H4 Scoring Criteria**

- Score the +A
- Allele bins are even
- I don't currently have a picture