

# Reaction Conditions - TR3G13

RXN#1				Cocktail Volume (uL)	1130				
Reagent	[ ]	[ ] Units	Desired [ ]	Des'd [ ] Units	Amount to add				
Buffer		10 X		1 X	113				
dNTP's		2 mM Each		0.2 mM Each	113				
MgCl2		50 mM		1.5 mM	33.9				
GATA028-F-NED		40 uM		1 uM	28.25				
GATA028-R		40 uM		1 uM	28.25				
TR3G11-F-6FAM		20 uM		0.52 uM	29.38				
TR3G11-R		20 uM		0.52 uM	29.38				
TV14-F-NED		20 uM		0.1 uM	5.65				
TV14-R		20 uM		0.1 uM	5.65				
IGF-F-HEX		40 uM		0.675 uM	19.06875				
IGF-R		40 uM		0.675 uM	19.06875				
Taq		5 U/uL		0.05 U/uL	11.3				
DNA		5 ng/uL		10 ng/rxn (2 uL/rxn)	226				
Autoclaved ddH2O			to 1130 uL		468.1025				
					1130				
Don't Dilute Prior To De-salting									
RXN#2				Cocktail Volume (uL)	1130				
Reagent	[ ]	[ ] Units	Desired [ ]	Des'd [ ] Units	Amount to add				
Buffer		10 X		1 X	113				
dNTP's		2 mM Each		0.2 mM Each	113				
MgCl2		50 mM		1.5 mM	33.9				
TR3G13-F-NED		20 uM		0.4 uM	22.6				
TR3G13-R		20 uM		0.4 uM	22.6				
TR3G10-F-6FAM		40 uM		0.76 uM	21.47				
TR3G10-R		40 uM		0.76 uM	21.47				
Taq		5 U/uL		0.05 U/uL	11.3				
DNA		5 ng/uL		10 ng/rxn (2 uL/rxn)	226				
Autoclaved ddH2O			to 1130 uL		544.66				
					1130				
Don't Dilute Prior To De-salting									

## Use PCR Cycles PROPDNR

5 min	@	94	
30 sec	@	94	
1 min	@	52	30 X
1 min	@	72	
45 min	@	60	

Is a 10ul reaction volume

## Use PCR Cycles PROPDNR

5 min	@	94	
30 sec	@	94	
1 min	@	60	30 X
1 min	@	72	
45 min	@	60	

Is a 10ul reaction volume

## TR3G13 Scoring Criteria

- Allele bins are odd
- Score the +A

