

## Reaction Conditions - TR3G10

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
MgCl <sub>2</sub>		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 ddH <sub>2</sub> O			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
MgCl <sub>2</sub>		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 ddH <sub>2</sub> O			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
1 min	@		72
45 min	@		60

Is a 10ul reaction volume

  

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

Is a 10ul reaction volume

## TR3G10 Scoring Criteria

- Allele bins are even (210)
- Score the +A

