

Reaction Conditions - TR3G11

RXN#1		Cocktail Volume (uL)		1130	
Reagent	[]	[] Units	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	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
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

TR3G11 Scoring Criteria

- Allele bins are odd (131 bp)
- Score the +A

