

Reaction Conditions - EV37Mn

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
RW34-F-6FAM	20	uM	0.5	uM	28.25
RW34-R	20	uM	0.5	uM	28.25
GT023-F-HEX	20	uM	0.3	uM	16.95
GT023-R	20	uM	0.3	uM	16.95
GT271-F-NED	20	uM	0.1	uM	5.65
GT271-R	20	uM	0.1	uM	5.65
TR2G5-F-NED	10	uM	0.05	uM	5.65
TR2G5-R	10	uM	0.05	uM	5.65
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		519.8
					1130
Don't Dilute Prior to Mixing					

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
TR3G6-F-HEX	20	uM	0.08	uM	4.52
TR3G6-R	20	uM	0.08	uM	4.52
EV37Mn-F-HEX	20	uM	0.2	uM	11.3
EV37Mn-R	20	uM	0.2	uM	11.3
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		601.16
					1130
Don't dilute prior to mixing					

Use PCR Cycles PROPDNR		
5 min	@	94
30 sec	@	94
1 min	@	54 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	@	54 30 X
1 min	@	72
45 min	@	60

Is a 10ul reaction volume

EV37Mn Scoring Criteria

- Allele bins are odd
- Score the +A
- This locus is pretty straightforward to score, I have no comments on it

