Reaction Conditions - TR2F3

RXN#1				Cocktail Volume (uL)	1130	Use PCF	Cycles Pl	ROPDNR	
Reagent	[]	[] Units	Desired []	Des'd [] Units	Amount to add	5 min	@	94	
Buffer	10			X	113	30 sec	@	94	
dNTP's		mM Each	0.2	mM Each	113	1 min	@	54.5	35x
MgCl2	50	mM	1.5	mM	33.9	1 min	@	72	
SAM25-F-HEX		uM	1	uM	28.25	45 min	@	60	
SAM25-R		uM		uM	28.25				
RW31-F-HEX		uM		uM	70.625	Is a 10ul	reaction v	olume	
RW31-R		uM	2.5	uM	70.625				
EV1Pm-F-NED		uM	0.3	uM	8.475				
EV1Pm-R	40	uM	0.3	uM	8.475				
Taq		U/uL	0.05	U/uL	11.3				
DNA	5	ng/uL	10	ng/rxn (2 uL/rxn)	226				
Autoclaved ddH2O			to 1130 uL		418.1				
, intodiated dulizo					1130				
Don't Dilute Prior T	De-saltin	g			1130				
	o De-saltin	g		Cocktail Volume (uL)	1130	Use PCF	R Cycles Pl	ROPDNR	
RXN#2	De-saltin	g	Desired []	Cocktail Volume (uL) Des'd [] Units		Use PCF 5 min	R Cycles Pl	ROPDNR 94	
RXN#2 Reagent		[] Units			1130		@		
RXN#2 Reagent Buffer dNTP's	10 2	[] Units X mM Each	1 0.2	Des'd [] Units X mM Each	1130 Amount to add 113 113	5 min	R Cycles Pl	94 94	30 X
RXN#2 Reagent Buffer dMTP's MgCl2	10 2	[] Units	1 0.2	Des'd [] Units	1130 Amount to add 113 113 33.9	5 min 30 sec	@	94 94	30 X
RXN#2 Reagent Buffer dNTP's MgCl2 TR3A1-F-6FAM	[] 10 2 50 40	[] Units X mM Each mM uM	1 0.2 1.5 0.45	Des'd [] Units X mM Each mM	1130 Amount to add 113 113 33.9 12.7125	5 min 30 sec 1 min	@	94 94 54	30 X
RXN#2 Reagent Buffer dNTP's MgCl2 TR3A1-F-6FAM	[] 10 2 50 40 40	[] Units X mM Each mM uM	1 0.2 1.5	Des'd [] Units X mM Each mM	1130 Amount to add 113 113 33.9 12.7125 12.7125	5 min 30 sec 1 min 1 min	@ @	94 94 54 72	30 X
Don't Dilute Prior To RXN#2 Reagent Buffer dMTP's MgCl2 TR3A1-F-6FAM TR3A1-R TR2F3-F-NED	[] 10 2 50 40 40 20	[] Units X mM Each mM uM uM uM	1 0.2 1.5 0.45 0.45	Des'd [] Units X mM Each mM	1130 Amount to add 113 113 33.9 12.7125	5 min 30 sec 1 min 1 min 45 min	@ @	94 94 54 72 60	30 X
RXN#2 Reagent Buffer dNTP's MgCl2 TR3A1-F-6FAM TR3A1-R	[] 10 2 50 40 40 20	[] Units X mM Each mM uM	0.2 1.5 0.45 0.45	Des'd [] Units X mM Each mM uM uM	1130 Amount to add 113 113 33.9 12.7125 12.7125	5 min 30 sec 1 min 1 min 45 min	@ @ @	94 94 54 72 60	30 X
RXN#2 Reagent Buffer dNTP's MgCl2 TR3A1-F-6FAM TR3A1-R TR2F3-F-NED TR2F3-R	[] 10 2 50 40 40 20 20	[] Units X mM Each mM uM uM uM	0.2 1.5 0.45 0.45 0.3 0.3	Des'd[]Units X mM Each mM uM uM uM	1130 Amount to add 113 113 33.9 12.7125 12.7125 16.95 16.95 11.3	5 min 30 sec 1 min 1 min 45 min	@ @ @	94 94 54 72 60	30 X
RXN#2 Reagent Buffer dhTP's MgCl2 TR3A1-F-6FAM TR3A1-R TR2F3-F-NED	10 2 50 40 40 20 20 5	[] Units X mM Each mM uM uM uM	0.2 1.5 0.45 0.45 0.3 0.3 0.3	Des'd[]Units X mM Each mM uM uM uM uM	1130 Amount to add 113 113 33.9 12.7125 12.7125 16.95 16.95 11.3 226	5 min 30 sec 1 min 1 min 45 min	@ @ @	94 94 54 72 60	30 X
RXN#2 Reagent Buffer dNTP's MgCl2 TR3A1-F-6FAM TR3A1-R TR2F3-F-NED TR2F3-R	10 2 50 40 40 20 20 5	[] Units X mM Each mM uM uM uM uM	0.2 1.5 0.45 0.45 0.3 0.3 0.3	Des'd[]Units X mM Each mM uM uM uM uM UM UM	1130 Amount to add 113 113 33.9 12.7125 12.7125 16.95 16.95 11.3	5 min 30 sec 1 min 1 min 45 min	@ @ @	94 94 54 72 60	30 X

TR2F3 Scoring Criteria

- Score the +A
- Allele bins are odd

