Reaction Conditions - TR3G1

RXN#1				Cocktail Volume (uL)	1130	PCR Cycles		
Reagent	[]	[] Units	Desired []	Des'd [] Units	Amount to add	5 min	@	94
Buffer	10	X	1	X	113	30 sec	@	94
dNTP's	2	mM Each	0.2	mM Each	113	30 sec	@	68
MgCl2	50	mM	1.5	mM	33.9	1 min	@	72
TR3G1-6FAM	20	uM	0.255	uM	14.4075	30 sec	@	94
TR3G1-R	20	uM	0.255	uM	14.4075	30 sec	@	64
Tag	5	U/uL	0.05	U/uL	11.3	1 min	@	72
DNA	5	ng/uL	10	ng/rxn (2 uL/rxn)	226	30 sec	@	94
Autoclaved ddH2O	62 33		to 1130 uL		603.985	30 sec	@	61
	iii 10		P 1		1130	1 min	· @	72
	9 9		(4)		-	30 sec	@	94
	8					30 sec	@	58
						1 min	@	72
						30 sec	@	94
Don't dilute prior to	o de-saltin	a			10	30 sec	@	55
on t unuto prior t	o de Saitin	8	7		2	1 min	@	72
	3							72
						10 min	@	72
							@	72
XXN#2				Cocktail Volume (uL)	1130	10 min	@	72
	[]	[] Units	Desired []	Cocktail Volume (uL) Des'd [] Units	1130 Amount to add	10 min	@	72
Reagent	[]					10 min	@	72
Reagent Buffer	10		1	Des'd [] Units	Amount to add 113 113	10 min	@ etion volume	72
Reagent Buffer BNTP's	10	X	1 0.2	Des'd [] Units X	Amount to add 113	10 min Is a 10ul read	etion volume	72
Reagent Buffer INTP's MgCl2	10	X mM Each mM	1 0.2	Des'd [] Units X mM Each	Amount to add 113 113	Use PCR Cyc	etion volume cles PROPDNR @	72
Reagent Buffer dNTP's MgCl2 Q-Solution	10 2 50	X mM Each mM	1 0.2	Des'd [] Units X mM Each mM	Amount to add 113 113 33.9	Use PCR Cyc 5 min 30 sec	etion volume	94 94
Reagent Buffer dNTP's MgCl2 Q-Solution TR3F2-F-HEX	10 2 50 5 40	X mM Each mM	1 0.2 1.5	Des'd [] Units X mM Each mM X uM	Amount to add 113 113 33.9 226	Use PCR Cyc 5 min 30 sec 1 min	cition volume cles PROPDNR @ @ @	94 94 58
Reagent Buffer JNTP's MgCl2 Q-Solution TR3F2-F-HEX TR3F2-R	10 2 50 5 40 40	MM Each mM X uM	1 0.2 1.5 1 0.255 0.255	Des'd [] Units X mM Each mM X uM	Amount to add 113 113 33.9 226 7.20375	Use PCR Cyc 5 min 30 sec 1 min 1 min	cies PROPDNR @ @ @ @ @	94 94 58
Reagent Buffer UNTP's MgCl2 Q-Solution TR3F2-F-HEX TR3F2-R	10 2 50 5 40 40 5	M Each mM Each mM X uM uM U/uL	1 0.2 1.5 1 0.255 0.255 0.05	Des'd [] Units X mM Each mM X uM uM U/uL	Amount to add 113 113 33.9 226 7.20375 7.20375	Use PCR Cyc 5 min 30 sec 1 min 1 min	cles PROPDNR @ @ @	94 94 58
Reagent Buffer dNTP's MgCl2 Q-Solution TR3F2-F-HEX TR3F2-R Taq DNA	10 2 50 5 40 40 5	X mM Each mM X uM uM	1 0.2 1.5 1 0.255 0.255 0.05	Des'd [] Units X mM Each mM X uM	Amount to add 113 113 33.9 226 7.20375 7.20375 11.3	Use PCR Cyc 5 min 30 sec 1 min 45 min	cles PROPDNR @ @ @	94 94 58
RXN#2 Reagent Buffer dNTP's MgCi2 Q-Solution TR3F2-F-HEX TR3F2-R Taq DNA Autoclaved ddH2O	10 2 50 5 40 40 5	M Each mM Each mM X uM uM U/uL	1 0.2 1.5 1 0.255 0.255 0.055	Des'd [] Units X mM Each mM X uM uM U/uL	Amount to add 113 113 33.9 226 7.20375 7.20375 11.3 226 392.3925	Use PCR Cyc 5 min 30 sec 1 min 45 min	cles PROPDNR @ @ @	94 94 58
Reagent Buffer dNTP's MgCl2 Q-Solution TR3F2-F-HEX TR3F2-R Taq DNA	10 2 50 5 40 40 5	M Each mM Each mM X uM uM U/uL	1 0.2 1.5 1 0.255 0.255 0.055	Des'd [] Units X mM Each mM X uM uM U/uL	Amount to add 113 113 33.9 226 7.20375 7.20375 11.3 226	Use PCR Cyc 5 min 30 sec 1 min 45 min	cles PROPDNR @ @ @	94 94 58
Reagent Buffer dNTP's MgCl2 Q-Solution TR3F2-F-HEX TR3F2-R Taq DNA	10 2 50 5 40 40 5	X mM Each mM X uM uM U/uL ng/uL	1 0.2 1.5 1 0.255 0.255 0.055	Des'd [] Units X mM Each mM X uM uM U/uL	Amount to add 113 113 33.9 226 7.20375 7.20375 11.3 226 392.3925	Use PCR Cyc 5 min 30 sec 1 min 45 min	cles PROPDNR @ @ @	94 94 58

TR3G1 Scoring Criteria

- Allele bins are even
- Score the +A

