Reaction Conditions - TexVet14

| RXN#1 | | | | Cocktail Volume (uL) | 1130 | Use PCR | Cycles Pl | ROPDNR | 7 | |
|---|--|--|---|--|--|---|-----------|----------------------------|------|---|
| Reagent | [] | [] Units | Desired [] | Des'd [] Units | Amount to add | 5 min | @ | 94 | 1 | |
| Buffer | 10 | X | 1 | X | 113 | 30 sec | @ | 94 | 1 | |
| dNTP's | 2 | mM Each | 0.2 | mM Each | 113 | 1 min | @ | 52 | 30 X | |
| MgCl2 | 50 | mM | 1.5 | mM | 33.9 | 1 min | @ | 72 | 2 | |
| GATA028-F-NED | | uM | | uM | 28.25 | 45 min | @ | 60 |) | |
| GATA028-R | 40 | uM | 1 | uM | 28.25 | | | | | |
| TR3G11-F-6FAM | | uM | 0.52 | | 29.38 | Is a 10ul reaction volume | | | | |
| 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 | | uM | 0.675 | | 19.06875 | | | | | |
| IGF-R | | uM | 0.675 | | 19.06875 | | | | | |
| Taq | 5 | U/uL | | U/uL | 11.3 | | | | | |
| DNA | 5 | ng/uL | 10 | ng/rxn (2 uL/rxn) | 226 | | | | | |
| Autoclaved ddH2O | | | to 1130 uL | | 468.1025 | | | | | |
| | | | | | 1130 | | | | 19 | |
| Don't Dilute Prior To | De-salting | | | | | | | | | 1 |
| | De-salting | | | Cocktail Volume (uL) | 1130 | Use PCF | Cycles Pl | ROPDNR | | |
| RXN#2 | De-salting | [] Units | Desired [] | Cocktail Volume (uL) Des'd [] Units | 1130 Amount to add | Use PCF | Cycles Pl | ROPDNR 94 | | |
| RXN#2 Reagent | [] | [] Units | | | | | @ | ROPDNR 94 | | |
| RXN#2 Reagent Buffer | [] | [] Units | 1 | Des'd [] Units | Amount to add | 5 min | @ | 9 4 | 30 X | |
| RXN#2 Reagent Buffer dNTP's MgCl2 | 10 2 50 | [] Units X mM Each | 0.2 1.5 | Des'd [] Units X mM Each mM | Amount to add 113 113 33.9 | 5 min 30 sec | @ | 9 4 | 30 X | |
| RXN#2 Reagent Buffer dNTP's MgCl2 | 10 2 50 | [] Units X mM Each | 1 0.2 1.5 0.4 | Des'd [] Units X mM Each mM | Amount to add 113 113 | 5 min 30 sec 1 min | @ | 94 60 | 30 X | |
| RXN#2 Reagent Buffer ddyndris MgCl2 TR3G13-F-NED TR3G13-R | [] 10 2 50 20 | [] Units X mM Each | 1 0.2 1.5 0.4 0.4 | Des'd [] Units X mM Each mM uM | Amount to add 113 113 33.9 | 5 min 30 sec 1 min 1 min | @ @ @ | 94 60 | 30 X | |
| RXN#2 Reagent Buffer dNTP's MgCl2 TR3G13-F-NED TR3G13-R TR3G10-F-6FAM | 10 2 50 20 20 40 | [] Units X mM Each mM uM uM | 1 0.2 1.5 0.4 0.4 0.76 | Des'd [] Units X mM Each mM uM uM uM | Amount to add 113 113 33.9 22.6 22.6 21.47 | 5 min 30 sec 1 min 1 min 45 min | @ @ @ | 94 94 60 72 60 | 30 X | |
| RXN#2 Reagent Buffer dNTP's MgCl2 TR3G13-F-NED TR3G13-R TR3G10-F-6FAM | 10 20 50 20 20 40 | [] Units X mM Each mM uM uM uM | 0.2 1.5 0.4 0.4 0.76 0.76 | Des'd [] Units X mM Each mM uM uM uM uM | Amount to add 113 113 33.9 22.6 22.6 | 5 min 30 sec 1 min 1 min 45 min | @ @ @ @ | 94 94 60 72 60 | 30 X | |
| RXN#2 Reagent Buffer dNTP's MgCi2 TR3G13-F-NED TR3G13-R TR3G10-F-6FAM TR3G10-R | 10 2 50 20 20 40 40 | [] Units X mM Each mM uM uM uM uM | 0.2 1.5 0.4 0.4 0.76 0.76 0.05 | Des'd [] Units X mM Each mM uM uM uM uM UM UM UM UM | Amount to add 113 113 33.9 22.6 22.6 21.47 21.47 11.3 | 5 min 30 sec 1 min 1 min 45 min | @ @ @ @ | 94 94 60 72 60 | 30 X | |
| RXN#2 Reagent Buffer dNTP's MgCI2 TR3G13-F-NED TR3G13-R TR3G10-F-6FAM TR3G10-R Taq DNA | 10 2 50 20 20 40 40 | [] Units X mM Each mM uM uM uM | 1 0.2 1.5 0.4 0.4 0.76 0.76 0.05 | Des'd [] Units X mM Each mM uM uM uM uM | Amount to add 113 113 33.9 22.6 22.6 21.47 21.47 11.3 226 | 5 min 30 sec 1 min 1 min 45 min | @ @ @ @ | 94 94 60 72 60 | 30 X | |
| RXN#2 Reagent Buffer dNTP's MgCI2 TR3G13-F-NED TR3G13-R TR3G10-F-6FAM TR3G10-R Taq DNA | 10 2 50 20 20 40 40 | [] Units X mM Each mM uM uM uM uM | 0.2 1.5 0.4 0.4 0.76 0.76 0.05 | Des'd [] Units X mM Each mM uM uM uM uM UM UM UM UM | Amount to add 113 113 33.9 22.6 22.6 21.47 21.47 11.3 226 544.66 | 5 min 30 sec 1 min 1 min 45 min | @ @ @ @ | 94 94 60 72 60 | 30 X | |
| RXN#2 Reagent Buffer dNTP's MgCI2 TR3G13-F-NED TR3G13-F-NED TR3G10-F-6FAM TR3G10-R Taq DNA | 10 2 50 20 20 40 40 | [] Units X mM Each mM uM uM uM uM | 1 0.2 1.5 0.4 0.4 0.76 0.76 0.05 | Des'd [] Units X mM Each mM uM uM uM uM UM UM UM UM | Amount to add 113 113 33.9 22.6 22.6 21.47 21.47 11.3 226 | 5 min 30 sec 1 min 1 min 45 min | @ @ @ @ | 94 94 60 72 60 | 30 X | |
| RXN#2 Reagent Buffer dNTP's MgCl2 TR3G13-F-NED TR3G13-R TR3G10-F-6FAM TR3G10-R Taq DNA Autoclaved ddH2O | 10 2 50 20 20 40 40 | [] Units X mM Each mM uM uM uM uM | 1 0.2 1.5 0.4 0.4 0.76 0.76 0.05 | Des'd [] Units X mM Each mM uM uM uM uM UM UM UM UM | Amount to add 113 113 33.9 22.6 22.6 21.47 21.47 11.3 226 544.66 | 5 min 30 sec 1 min 1 min 45 min | @ @ @ @ | 94 94 60 72 60 | 30 X | |
| RXN#2 Reagent Buffer dNTP's MgCl2 TR3G13-F-NED TR3G13-R TR3G10-F-6FAM TR3G10-R Taq DNA Autoclaved ddH2O | 10 2 50 20 20 40 40 5 | [] Units X mM Each mM uM uM uM uM U/uL ng/uL | 1 0.2 1.5 0.4 0.4 0.76 0.76 0.05 | Des'd [] Units X mM Each mM uM uM uM uM UM UM UM UM | Amount to add 113 113 33.9 22.6 22.6 21.47 21.47 11.3 226 544.66 | 5 min 30 sec 1 min 1 min 45 min | @ @ @ @ | 94 94 60 72 60 | 30 X | |
| RXN#2 Reagent Buffer dNTP's MgCI2 TR3G13-F-NED TR3G13-R TR3G10-F-6FAM TR3G10-R Taq DNA | 10 2 50 20 20 40 40 5 | [] Units X mM Each mM uM uM uM uM U/uL ng/uL | 1 0.2 1.5 0.4 0.4 0.76 0.76 0.05 | Des'd [] Units X mM Each mM uM uM uM uM UM UM UM UM | Amount to add 113 113 33.9 22.6 22.6 21.47 21.47 11.3 226 544.66 | 5 min 30 sec 1 min 1 min 45 min | @ @ @ @ | 94 94 60 72 60 | 30 X | |

TexVet14 Scoring Criteria

- Score the +A, although it is so preferentially amplified that it is often difficult to tell
- Allele bins are odd (85 bp)
- Ignore blobs that also occur in this area

