



| BLOCK | X_GENE | X_POS | Y_GENE | Y_POS |
|-------|----------|----------|-----------|----------|
| 1a | g3788.tl | 5791992 | g22286.t2 | 7827243 |
| 1b | g4115.tl | 11194921 | g21965.tl | 2155242 |
| 2a | g4117.tl | 11170557 | g22601.tl | 15368608 |
| 2b | g4151.tl | 11724497 | g22568.tl | 14750160 |
| 3a | g4153.tl | 11736194 | g22445.tl | 12392305 |
| 3b | g4273.tl | 13842416 | g22565.tl | 14694837 |
| 4a | g4276.tl | 13860081 | g22444.tl | 12338834 |
| 4b | g4456.tl | 18734729 | g22289.tl | 7900245 |
| 5a | g4457.tl | 18823337 | g21899.tl | 92022 |
| 5b | g4518.tl | 20464695 | g21964.tl | 1956755 |
| 6a | g4529.tl | 20834587 | g22663.tl | 19305551 |
| 7b | g4603.tl | 23539538 | g22715.tl | 22536139 |