|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
| **Identification** | **Mountain** |  **Stream**  | **Haplotype ID & Genbank accession #** |
|  |  |  | **CO1** | **28S** |
| clone robTH | Thornton Peak | Hilda Creek | AY324347**1**  |  |
| Euastacus fleckeri-clone fleckML  | OUTGROUP- Mt Lewis | Leichhardt Ck | AY324348**1** |  |
| Euastacus fleckeri-clone fleckMS  | OUTGROUP | Unknown | AY324349**1** |  |
| Euastacus fleckeri-KC2668  | OUTGROUP- Mt Lewis | Leichhardt Ck | DQ006336**1** |  |
| FI1 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** |  |
| FI10 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| FI10J | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** |  |
| FI11 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| FI11j | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** |  |
| FI12 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** |  |
| FI13 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** |  |
| FI13J | Mt Finnigan | Parrot Ck | FI-P; KJ939254**3** |  |
| FI14 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| FI14J | Mt Finnigan | Parrot Ck | FI-A; DQ006368**2** |  |
| FI15 | Mt Finnigan | Parrot Ck | FI-A; DQ006368**2** |  |
| FI16 | Mt Finnigan | Parrot Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| FI17 | Mt Finnigan | Parrot Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| FI18 | Mt Finnigan | Parrot Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| FI19 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| FI1j | Mt Finnigan | Parrot Ck | FI-A; DQ006368**2** |  |
| FI2 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** |  |
| FI2J | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** |  |
| FI3 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** |  |
| FI3J | Mt Finnigan | Parrot Ck | FI-P; KJ939254**3** |  |
| FI4 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| FI5 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** |  |
| FI5J | Mt Finnigan | Parrot Ck | FI-A; DQ006368**2** |  |
| FI6 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| FI7 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** |  |
| FI7J | Mt Finnigan | Parrot Ck | FI-A; DQ006368**2** |  |
| FI8 | Mt Finnigan | Annan Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| KC2669  | Mt Finnigan | Parrot Ck | FI-A; DQ006368**2** |  |
| KC2670  | Mt Finnigan | Horan’s Ck | FI-A; DQ006369**2** |  |
| KC2674  | Thornton Peak | Hilda Creek | TP1; DQ006370**2** |  |
| KC2737  | Mt Finnigan | Parrot Ck | FI-A; DQ006371**2** |  |
| KC2738  | Mt Finnigan | Parrot Ck | FI-A; DQ006372**2** |  |
| KC2776 | Mt Pieter Botte | R.Meg River | PB1; DQ006373**2** |  |
| KC2777 | Mt Pieter Botte | R.Meg River | PB1; DQ006374**2** |  |
| KC2778 | Thornton Peak | Hilda Creek | TP1; DQ006375**2** |  |
| KC2779 | Thornton Peak | Hilda Creek | TP1; DQ006376**2** |  |
| KC2780 | Mt Finnigan | Annan Ck | FI-A; DQ006377**2** |  |
| KC2781 | Mt Finnigan | Annan Ck | FI-A; DQ006378**2** |  |
| PB2 | Mt Pieter Botte | R.Meg River | PB1; DQ006373**2** |  |
| PB1 | Mt Pieter Botte | R.Meg River | PB1; DQ006373**2** |  |
| PB3 | Mt Pieter Botte | R.Meg River | PB1; DQ006373**3** |  |
| PB37 | Mt Pieter Botte | R.Meg River |   | P1; KJ941016**3** |
| PB38 | Mt Pieter Botte | R.Meg River |   | P1; KJ941016**3** |
| PB39 | Mt Pieter Botte | R.Meg River |   | P1; KJ941016**3** |
| PB4 | Mt Pieter Botte | R.Meg River | PB1; DQ006373**2** |  |
| PB40 | Mt Pieter Botte | R.Meg River |   | P1; KJ941016**3** |
| PB41 | Mt Pieter Botte | R.Meg River |   | P1; KJ941016**3** |
| PB5 | Mt Pieter Botte | R.Meg River | PB1; DQ006373**2** |  |
| PB6 | Mt Pieter Botte | R.Meg River | PB1; DQ006373**2** |  |
| PB7 | Mt Pieter Botte | R.Meg River | PB1; DQ006373**2** |  |
| RA cytochrome | Mt Finnigan | Annan Creek | FI-A; AY800362**1** |  |
| RB cytochrome | Thornton Peak | Hilda Ck | TP3; AY800363**1** |  |
| RC cytochrome | Mt Pieter Botte | R.Meg River | PB1; AY800364**1** |  |
| robFIN | Mt Finnigan | Annan Creek | FI-A; AY324346**1** |  |
| TP1 | Thornton Peak | Hilda Ck | TP1; DQ006370**2** |  |
| TP2 | Thornton Peak | Hilda Ck | TP1; DQ006370**2** |  |
| TP25 | Thornton Peak | Hilda Ck |   | T1; KJ941015**3** |
| TP28 | Thornton Peak | Hilda Ck | TP1; DQ006370**2** | T1; KJ941015**3** |
| TP29 | Thornton Peak | Hilda Ck |   | T1; KJ941015**3** |
| TP3 | Thornton Peak | Hilda Ck | TP1; DQ006370**2** |  |
| TP31 | Thornton Peak | Hilda Ck |   | T1; KJ941015**3** |
| TP30 | Thornton Peak | Hilda Ck | TP2; KJ939253**3**  | T1; KJ941015**3** |
| TP32 | Thornton Peak | Hilda Ck | FI-A; DQ006368**2** | T2; KJ941017**3** |
| TP33 | Thornton Peak | Hilda Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| TP34 | Thornton Peak | Hilda Ck | FI-A; DQ006368**2** | F1; EU920988**4** |
| TP36 | Thornton Peak | Hilda Ck |   | T1; KJ941015**3** |
| TP4 | Thornton Peak | Hilda Ck | PB1; DQ006373**2** |  |
| TP5 | Thornton Peak | Hilda Ck | TP3; AY800363**1** |  |
| TP6 | Thornton Peak | Hilda Ck | TP3; AY800363**1** |  |
| TP7 | Thornton Peak | Hilda Ck | TP3; AY800363**1** |  |
| TP8 | Thornton Peak | Hilda Ck | TP3; AY800363**1** |  |
| TP9 | Thornton Peak | Hilda Ck | TP3; AY800363**1** |  |

 |