**Table S1**. Characteristics of a novel set of 34 SSR loci developed for *Bomarea ovallei*. Loci highlighted in gray were fluorescently labeled and utilized in the genetic analyses conducted in this study.

| Locus | 5` - sequence - 3` | Accession | motiff | Size (bp) | T°a (°C) |
|---|---|---|---|---|---|
| SSRBO3554 | F-AGTTTCTGACCCTCCACCTC<br>R-AAACGGTTGGTGGGAAATCA | PV126291 | $(AGA)_8$ | 114 | 59 |
| SSRBO8819 | F-AGTCGAGTTTCTCTGATCTTAAA<br>R- ACAGAATCCAAAATAAAACTGGG | PV126292 | $(TTA)_9$ | 153 | 59 |
| SSRBO10325 | F-ACCAAATCACTTCTACTCCAAA<br>R- ACTGGGTTTATAAGTCGGATAAA | PV126293 | $(TTA)_9$ | 219 | 59 |
| SSRBO12430 | F-GAAGGTGACATGGCGTTGA<br>R- GTCAGGGACCTACATGTAATTAC | PV126294 | $(TTA)_9$ | 118 | 59 |
| SSRBO15268 | F-TCAGGCAGAAACATCCATAC<br>R- ATCGCATATCAACATACATAGC | PV126295 | $(TA)_{17}TGTT(GT)_{17}$ | 205 | 59 |
| SSRBO1597 | F-TGCGAGCTATGAGAAGAAAAGC<br>R- GAAGGAGAAGAGAGGAGCCC | PV126296 | $(TTC)_8$ | 228 | 59 |
| SSRBO1785 | F-TGGCGTGACTCCATATGCTT<br>R- AGTGCTGCTTCGACTTCTCC | PV126297 | $(TTC)_{14}$ | 263 | 59 |
| SSRBO10757 | F-ATGCCTTGTCCATGTTGTCG<br>R-CTTCCAAGGCCAAGTCGATG | PV126298 | $(TTC)_6$ | 125 | 58 |
| SSRBO11175 | F-CCACATCTTGCTCCAACTCC<br>R- TCTAATCTTCCTCGTGCCCG | PV126299 | $(TTC)_7$ | 106 | 58 |
| SSRBO4175 | F-TCTTGCATCTTTCGTCCCGA<br>R- TCGGTACAAGTGGTGAGCAC | PV126300 | $(AGA)_6$ | 105 | 58 |
| SSRBO16864 | F-ATCATCAAAGATAGTAGCGGAAT<br>R- CTGATCTTTGTCTCTCTCCG | PV126301 | $(TCA)_9$ | 169 | 59 |
| SSRBO1032 | F-TGACAAGAGCGGCAAATTCA<br>R- TGTTCCTCATTCTTTGCCTTCT | PV126302 | $(TCA)_6$ | 281 | 59 |
| SSRBO9718 | F-CACAAATGCCTCACTGCTGT<br>R- TCGAGGCCAGAGACAGAAAG | PV126303 | (TCA)7 | 126 | 59 |
| SSRBO17248 | F-GGTCATTCGCTGCCTACTGA<br>R- GAATTAACCGACGCGTCCTC | PV126304 | $(AG)_{19}$ | 149 | 59 |
| SSRBO17638 | F-AGGGAACACAAAGAGAGGGG<br>R- CCTCTCTCTGGTCCCTCTCT | PV126305 | $(AG)_{19}$ | 117 | 59 |
| SSRBO1213 | F-GCCATGTTTACACCCAGCTT<br>R- CAGAGAAGGAGGTGACGCTG | PV126306 | $(AG)_{12}$ | 142 | 59 |
| SSRBO1806 | F-CGACACTGTTTTCCCTAAAG<br>R- CTTATGCTCAGCCCTTATTTC | PV126307 | $(AG)_{23}$ | 287 | 59 |
| SSRBO2008 | F-CAAGTACTGAAGATCGGACAAGG<br>R- CCCTTGTTGAGAGACCAATCC | PV126308 | $(AG)_{24}$ | 141 | 59 |
| SSRBO6304 | F-TGTAGCCGCCATTAGAAGGG<br>R- CAGAGAGAGGTCAGGGAGC | PV126309 | $(AG)_{13}$ | 103 | 58 |
| SSRBO14910 | F-GGGACTCCACCATACTCCAC<br>R- CCACACCTTATGCCCCAAAC | PV126310 | $(AG)_{15}$ | 150 | 58 |
| SSRBO15934 | F-AGAGAGAGTTGAGAGAGCTTTCA<br>R- CCTCCTTCAACGCACTCAAG | PV126311 | $(AG)_{13}$ | 117 | 59 |
| SSRBO17567 | F-TGTATTTATGTCCCGTGGCA<br>R- TCTAAGATGGTGTAATTGGAGGA | PV126312 | $(CT)_9TT(CT)_{15}$ | 204 | 58 |
| SSRBO3052 | F-CCTGCGAAGTCACCAATGTC<br>R- CAAGAATGCAATCAAAACCGTGA | PV126313 | $(CT)_{13}$ | 172 | 59 |
| SSRBO4022 | F-ACGCGACAATACGGTTTCAA<br>R- TCGAACACTATAATGCGAAGAGT | PV126314 | $(CT)_{13}$ | 280 | 58 |
| SSRBO9629 | F-CCCTTTTATGGTTTGTTGTAGCA<br>R- AGCCAAGAACAAACCGTAAAG | PV126315 | $(CT)_{21}$ | 195 | 59 |
| SSRBO10840 | F-CCTTCCTCCTCTCAATCCTCTC<br>R- GCAAGAGAGAGTGGGGAGAT | PV126316 | $(CT)_{21}$ | 151 | 58 |
| SSRBO14256 | F-GGTCTTAGGGTGTGGGCTAA<br>R- GTGGCATGGAAAGGAACACA | PV126317 | $(CT)_{14}$ | 169 | 59 |
| SSRBO15462 | F-ACACAGTTCTAGGACAAGGCA<br>R- TTCCACAAGCCACCTTCTCT | PV126318 | $(CT)_{15}TT(CT)_{11}$ | 109 | 59 |
| SSRBO29 | F-TGTTCAATCAAGTCATGGGCA<br>R- CTGGTGTAGTATCATGCATGCA | PV126319 | $(TGA)_7$ | 204 | 59 |
| SSRBO3955 | F-TCGCACTTTCTCTCTGTCCT<br>R- AAACTCTATCTAAACATCCGCCA | PV126320 | $(TGA)_6$ | 232 | 59 |
| SSRBO1064 | F-TGAGTTGCTGTGGTGGTATG<br>R- TCACCAAACAACCATAACACCA | PV126321 | $(TTG)_{11}$ | 105 | 57 |
| SSRBO1491 | F-GAGTGCCTTGATCTCTTTGTCC<br>R- TGCTTCTCAATGCCCGAGTA | PV126322 | $(TTC)_6$ | 250 | 58 |
| SSRBO4536 | F-CTCTATTTGACCCTAGCTCCCA<br>R-AGGTTGAGTGTAGTGTGAGGA | PV126323 | $(AAC)_5$ | 159 | 58 |
| SSRBO20205 | F-TCAGGCGATTGGTTGGAAAG<br>R-GTTTGGGACGCGGTTTCTTT | PV126324 | $(TTC)_7$ | 118 | 59 |