Appendix S1. Monomorphic microsatellite markers developed for *Lemna minor.*

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| Locus | Primer sequences (5ʹ–3ʹ) | Repeat motif | *T*a (°C) | Allele size (bp) | GenBank accession no. |
| L1 | F: ACTTGTGTTGGATTGGCACAR: TTTTAAAAAGGCGGAATTGTTT | (T)12 | 51 | 300 |  Pr032105565 |
| L2 | F: GATAGGTAAGCAAAGCCCCCR: TTTTTAGAGATGTGTTTGCCATT | (A)10 | 51 | 255 | Pr032105572 |
| L4 | F: TCGTGGAGATCATGCACATTR: GGAGTGTGTGCGAGTTGTGT | (A)12 | 51 | 109 | Pr032105585 |
| L5 | F: ATTACTTCGCCCCCTTTGTTR: GCTTTCTTCCTTCCCGTTTT | (T)12 | 51 | 265 | Pr032105586 |
| L8 | F: CGCCAATTTAAATCGAATGGR: AGCGGATCCTGTAACTCCAA | (A)10 | 51 | 270 | Pr032105587 |
| L9 | F: TTGATCCCATCCGCTATTTCR: GAGTAGGTGGATTGGTCCGA | (T)11 | 51 | 286 | Pr032105588 |
| L10 | F: TCGGACGTGAGGGTTTACTCR: TCATCATTCGGGGGAAGTAG | (A)10 | 51 | 271 | Pr032105566 |
| L11 | F: CCCCACCTACACAAGCAAATR: CAGATTGGGGAGGAAGATCA | (T)11 | 51 | 252 | Pr032105567 |
| L12 | F: TCGCGGAGCATTTTTATCTTR: ATCTTTCGCAACGCAAATTC | (AT)6 | 51 | 251 | Pr032105568 |
| L13 | F: AGTTCAAATCTGGGTGTCGCR: TCTCGTGGGTCTCAATCTCA | (A)10 | 51 | 315 | Pr032105569 |
| L15 | F: TAACCCGTGGGATGAAGAAAR: GGTTGGGACAACAAACATCC | (T)11 | 51 | 264 | Pr032105570 |
| L17 | F: TCAAATCGCACCATCTCTGTR: GGGAAGGGCACAATTTGAGT | (A)10 | 51 | 288 | Pr032105571 |
| L21 | F: AATCGTGAGGGTTCAAGTCCR: TGGTGACACGAGGATTTTCA | (A)11 | 51 | 217 | Pr032105573 |
| L22 | F: AAAAGGCCCAGGGATTTCTAR: GGCTAGGGCAAGAAGAGAGA | (A)10 | 51 | 162 | Pr032105574 |
| L23 | F: TGCAAAAATCTTTCGAATCAAR: CGAAATTTTAGGTTGGCCCT | (A)10 | 51 | 171 | Pr032105575 |
| L24 | F: CCATTCACCGACGACAATTAR: CCGAGAAGGTCTACGGTTCA | (A)11(AT)6 | 51 | 297 | Pr032105576 |
| L26 | F: TCCCCAGTTCTTTTGTCTCGR: GGAACCTATGGATCTATTCCCA | (T)10 | 51 | 278 | Pr032105577 |
| L27 | F: TCATGCTTCAAGGAAAGATCAGR: CAAGAAAGTTTCGGATTGCC | (A)13 | 51 | 241 | Pr032105578 |
| L30 | F: AATAAAGCCAATTCCCCATTGR: TGAACACGATACCAAGGCAA | (TA)6 | 51 | 272 | Pr032105579 |
| L31 | F: TGCTTGTGCTTAAGATTCCAAAR: ATTGCCTTCCAGGGACCTAT | (T)13 | 51 | 280 | Pr032105580 |
| L32 | F: CCAAGACAACGAGTCACACAR: TGGATCAGAGAAGGAAGGGTT | (T)10 | 51 | 298 | Pr032105581 |
| L34 | F: GGAGCATACCCTGGAGCATAR: ATCCGACCTGCTTTTGACAT | (TA)9 | 51 | 233 | Pr032105582 |
| L36 | F: TCTTTGGTGAGTGCAGAAATGR: TGAAATTCGACAGACCCTTTG | (A)14 | 51 | 286 | Pr032105583 |
| L38 | F: GGATTCGAGCCATAGCACATR: CAAGAAGAACGGGTTGATCC | (A)10 | 51 | 220 | Pr032105584 |

*Note*: *T*a = annealing temperature.