**Supplementary Table S3.** PCR conditions (primer, temperature, and concentration of template DNA) for the optimal amplification of satellite DNAs from *P. marilynae* and *P. semifasciata*.

| Satellite | Primer F | Primer R | Anneraling temperature range | [DNA] ng/µl |
|---|---|---|---|---|
| PmaSat01-1627 | 5'CACACCTTTGGCATTC TAGC | 5'TCTGTTAAGCAT GGTGGAGG | 56°C – 57,4°C | 100 |
| PmaSat04-50 | 5'GGGTGTGGTTATCTCT GTAC | 5'CCCCTCTAAAC AGAGTATAAAC | 50°C – 51,7°C | 100; 10; 1; 0,1 |
| PmaSat05-226 | 5'GCAAGCTGAATACAT TCATG | 5'GACTGTCTGAG AGCACAAAC | 53°C - 54,5°C | 100; 10; 1; 0,1 |
| PmaSat06-198 | 5'AAGACAGCTTCTGCA TCCATG | 5'TTGCAGATTTGC CCAAAAAC | 55°C - 55,6°C | 100; 10; 1; 0,1 |
| PmaSat07-45 | 5'CCTCTGTAACACATTA AACTGT | 5'TAGGAGAGTGT AGTGTTAGTCT | 51,7°C – 58°C | 100; 10 |
| PmaSat09-335 | 5'CTGCAACCACTTCCA GTGAT | 5'ACACTTAGTTGT GTCTGAAA | 53°C - 53,5°C | 100; 10; 1; 0,1 |
| PmaSat10-4663 | 5'AGAACGGAGGTCTCT TGCGT | 5'CTCCATTCATTT CCATCACGC | 56°C – 62,5°C | 100 |
| PseSat01-304 | 5'CTGCAACCACT TCCAGTGAT | 5'ACACTTAGTTGT GTCTGAAA | 53°C - 53,5°C | 100; 10; 1; 0,1 |
| PseSat04-226 | 5'GCAAGCTGAAT ACATTCATG | 5'GACTGTCTGAG AGCACAAAC | 53°C - 54,5°C | 100; 10; 1; 0,1 |
| PseSat06-198 | 5'AAGACAGCTTC TGCATCCATG | 5'TTGCAGATTTGC CCAAAAAC | 55°C - 55,6°C | 100; 10; 1; 0,1 |
| PseSat32-186 | 5'TGAGAGAAGAC TTTACAAGC | 5'TGACACATTTA AGGCATTTC | 50°C - 54,9°C | 100 |
| PseSat34-165 | 5'CATGGCTGATAG GGTAAAAG | 5'ATGTGACCACA CTGTATCCC | 56,5°C - 63°C | 1; 0,1 |
| PseSat38-300 | 5'ATAGACGGATGG ATTAACGG | 5'AAAGACTGACA GACCATTAT | 53°C - 61°C | 100; 10; 1; 0,1 |
| PseSat39-80 | 5'CTTACTGTCTCAT ATCTGTG | 5'AGTTAAGACCA GTATCTCTA | 50,5°C - 57,4°C | 100 |
| PseSat50-1125 | 5'CTGTACAGTGGA TTATGGAG | 5'TTCGTGTTACTC AGAATGTC | 53 - 53,5 | 100; 10 |
| PseSat54-159 | 5'AATCTCTGCATAT AAAATGGC | 5'AGATGGACCAA AAGGTGTAT | 50°C - 58°C | 100; 10; 1; 0,1 |
| PseSat55-43 | 5'CTGTGGTGCACTA ACCAGA | 5'CCCTATCATTTA CAGTACA | 50°C - 58°C | 100; 10; 1; 0,1 |
| PseSat56-87 | 5'CACCCAGCCACTT TTTTA | 5'TGGAGGTAGTT AGTTAGATG | 50°C - 51,5°C | 100 |
| PseSat57-162 | 5'AGGGTCAGTACTC TCACT | 5'CACTTCATAAC AGTCATTTTAA | 52°C - 60°C | 100; 10; 1; 0,1 |
| PseSat61-213 | 5'ATTCCAGGCAATAA TCTGCC | 5'CAGGCGAGAAT TCTACCACT | 53°C - 57,9°C | 100; 10; 0,1 |
| PseSat63-463 | 5'ATTGGTCAGATATT GTGAAG | 5'ATTGCGCCGTTC ATATTCAC | 52°C - 60°C | 100; 10 |
| PseSat64-182 | 5'TTTACTGCTGTTAAGA TTTC | 5'CCTTTGGTAGG ACATGTAGC | 50°C - 50,7°C | 100; 10; 1; 0,1 |
| PseSat67-198 | 5'CTAACTTCATTCGGCG TTCT | 5'CCACCATGGCA CACCTGATA | 55°C - 55,6°C | 10; 1; 0,1 |