## S2 Table: Microsatellite DNA Loci

Details of 23 microsatellite DNA loci successfully amplified in *M. ochrogaster* and *M. pennsylvanicus*. Loci were combined into six multiplex panels for data generation. Listed for each locus: Primer Name = published primer name; ABI Dye = fluorescent dye used to label forward primer; Motif = repeat motif; Citation = source of primer; Forward/ Reverse Primer = primer sequences. Amplifications were conducted in 10–15μl volume polymerase chain reactions (PCR) using 1X *Flexi*-buffer (PROMEGA), 2.5–3.5mM $MgCl_2$, 0.25mM dNTPs, 0.2μg BSA, 1 unit *Go*-taq polymerase (PROMEGA), 0.1μM of each forward and reverse primer, and approximately 10–15ng template DNA. Reactions were carried out under the following conditions: initial denaturation at 94°C for 3min, followed by 15 cycles of 94°C for 45s, 55°C annealing temperature for 45s, and a 72°C extension for 30s, followed by an additional 25 cycles of 95°C for 30s, 55°C annealing temperature for 30s, and a 72°C extension for 15s, followed by a final extension at 72°C for 3min.

| Multiplex | Primer Name | ABI Dye | Motif | Citation | Forward Primer | Reverse Primer |
|---|---|---|---|---|---|---|
| 1 | AV14 | 6-FAM | $(GATA)_{16}$ | Stewart et al. 1998 | TATGTGATATGGCACTAGCATGT | AGCCTGTCTCAGCAGAAGG |
| | Ma35 | VIC | $(GT)_{18}$ | Gauffre et al. 2007 | AGAGTATGGCTGAGGGTG | GCCAGAGCAGTGTGATG |
| | AV15 | NED | $(GATA)_{14}$ | Stewart et al. 1998 | TATATGGAAGGTCGTAGATTCAG | ATTAAAGCATTTGTTGAGAAAGC |
| | AV13 | PET | $(GATA)_{14}$ | Stewart et al. 1998 | CTGGCTCTATCTATCTGTCTATC | ACAATTACAGCATCCAGAAG |
| 2 | AT23 | 6-FAM | $(TG)_{20}$ | Berthier et al. 2004 | GGATCATCTTCGCTAAGGAG | CCATCTCAGGCCTAATTCAG |
| | MSMM-3 | VIC | (CA)15 | Ishibashi et al. 1999 | TACGCCCCTTCAAACTCATGTG | TCCTTTATCTTAGGTGATGGAG |
| | MSMM-2 | NED | $(CA)_{21}(GA)_{22}$ | Ishibashi et al. 1999 | TAACCACAACCCCTCCAACTG | TCATTTGGAGTTGCTGAGAAC |
| | MSMM-6 | PET | $(CA)_{18}$ | Ishibashi et al. 1999 | TACAAATCTATCCTCTGACCTC | TACAAAGCCATTGTTCCCTGCT |
| 3 | Mar076 | VIC | $(AC)_{16}$ | Walser and Heckel 2008 | TCACCAGGACCTACTGAGCA | GCCAGCTTCATTTCAAGAGG |
| | Cg17A7 | NED | $(ATGT)_{9}$ | Rikalainen et al. 2008 | ACATTCAAACCTATGGGACA | GAAGGCTATTGATCTTGCAC |
| | Ma66 | PET | $(TG)_{24}$ | Gauffre et al. 2007 | AAGGTCTGGTGGATGTCAGG | TGCAAGGCAGGATTCTACC |
| | LIST3-005 | PET | $(GT)_{21}$ | Barker et al. 2005 | ATGAGGCTTCTTTCTATGTCC | CCTGCTCTGTATGCTTTGA |
| 4 | Mar113 | 6-FAM | $(AC)_{12}$ | Walser and Heckel 2008 | AAGAGCCTGCTGTGGTTTGT | TCAGCTGGGAATCAGGTCTT |
| | Mar003 | VIC | $(TG)_{21}$ | Walser and Heckel 2008 | GGAGATACAAGGCCCAAACA | TGGCATTAGATGACCTGTGG |
| | Ma-09 | NED | $(AC)_{18}$ | Gauffre et al. 2007 | CCCTAAGGAATAGCATCTGAG | GAATGTATGTGGAAGCCAGG |
| | Mar016 | PET | $(CA)_{19}$ | Walser and Heckel 2008 | CATCATCTTCTGGGGCACTG | ACGGTCTGTGCAAACCACTT |
| 5 | MAG25 | 6-FAM | $(CA)_{17}$ | Jaarola et al. 2007 | TGGGATAGCCTAGCAGCAAGA | GTTTGTAGGGTTAGGTTCTCAGTTG |
| | AT2 | VIC | $(TC)_{20}$ | Berthier et al. 2004 | CAAAGAGGAAGTGCTAGGTTGG | ACCCTTGGGACTCTGTTTGC |
| | Mar063 | PET | $(AC)_{23}$ | Walser and Heckel 2008 | GCCTGGACACAACCAAACTT | GGCTATGGGCAGCTCCTG |
| 6 | MSMM-5 | 6-FAM | $(CA)_{17}$ | Ishibashi et al. 1999 | TCTAATACCCTCTTCCTTGGG | TCCTATCAAGGGGCATTCATCT |
| | MAG18 | VIC | $(AC)_{22}$ | Jaarola et al. 2007 | GTATGCCTGCTATTGTGAAGAC | GTTTGCTCTTTTGCTCCCAGTAACTCAC |
| | MAG26 | NED | $(AG)_{31}$ | Jaarola et al. 2007 | CCTCTCAAAGCAGTTAAGC | GTTTAGCGTTACTATTGTAGCC |
| | MSMM-4 | PET | $(CA)_{19}$ | Ishibashi et al. 1999 | TGTTTCAAGGCAATAAGGTGG | TCGTTTCCCTGGAGATTGGG |

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