Table S2. Primers and PCR conditions utilized in the amplification of the 10 loci microsatellites.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Locus** | **Accession no.** | **Primer sequences (5´-3´)** | **PCR Conditions** | **Amplification Program** |
| Ast02a | AY178849 | F-GAGGGTCTGATGTACTGAGA R-CGAACCCGAGAAACTG | Buffer 1.0x MgCl2 2.5.mM dNTPs 0.2mM Primers 0.4μM each Taq Pol 1.0 U | 95°C/5min 95°C/1min 30c 57°C/30s …… .72°C/30s 72°C/5min |
| Ast09a | AY178851 | F-TCCACAATAGACTCGGAAAGAATC R-GACAAAAGAGGCTTCCATGAACT | Buffer 1.0xMgCl2 2.5.mM dNTPs 0.2mM Primers 0.4μM each Taq Pol 1.0 | 95°C/5min95°C/1min 30c 60°C/30s …… .72°C/30s 72°C/5min |
| Ast10a | AY178852 | F-ACAGAAACACGTTGATGTATGGC R-CAAACTGACTGACTGAGTGAGC | Buffer 1.0x MgCl2 2.5.mM dNTPs 0.2mM Primers 0.4μM each Taq Pol 1.0 U | 95°C/5min 95°C/1min 30c 60°C/30s …… .72°C/30s 72°C/5min |
| Am2bb | BV678705 | F-TTTCCAATATTGCCCAGCC R-GACTGACCTCCCACAAGGG | Buffer 1.0x MgCl2 2.0.mM dNTPs 0.2mM Primers 0.4μM each Taq Pol 1.0 U | 95°C/5min 95°C/1min 30c 53°C/30s …… .72°C/30s 72°C/5min |
| Am214db | BV678864 | F-CTGCAAATGAACACTCAGCG R-TCCTCCTCGTCACATATAGGC | Buffer 1.0x MgCl2 2.5.mM dNTPs 0.2mM Primers 0.4μM each Taq Pol 1.0 U | 95°C/5min 95°C/1min 30c 56°C/30s …… .72°C/30s 72°C/5min |
| Am241bb | BV678952 | F-CATAATGTAAAGTGCGGGGG R-TCACCTCCTATTAGCTCACGC | Buffer 1.0xMgCl2 2.5.mM dNTPs 0.2mM Primers 0.4μM each Taq Pol 1.0 U | 95°C/5min95°C/1min 30c 52°C/30s …… .72°C/30s 72°C/5min |
| Am145ab | BV678816 | F-TTTTCAGGGTCCAGTAACGC R-CCAGACCATCAAGAAGACGG | Buffer 1.0xMgCl2 2.5.mM dNTPs 0.2mM Primers 0.4μM each Taq Pol 1.0 U | 95°C/5min95°C/1min 30c 52°C/30s …… .72°C/30s 72°C/5min |
| Am26cb | BV678725 | F-ATGTGGTGAAACTGATTGGC R-ACAGCACCTCCCTCGACCC | Buffer 1.0xMgCl2 2.5.mM dNTPs 0.2mM Primers 0.4μM each Taq Pol 1.0 U | 95°C/5min95°C/1min 30c 52°C/30s …… .72°C/30s 72°C/5min |
| Am122bb | BV678784 | F-ACAACATCAGCAAGTTCCCC R-ATGGCACTCGATTACAGCG | Buffer 1.0xMgCl2 2.5.mM dNTPs 0.2mM Primers 0.4μM each Taq Pol 1.0 U | 95°C/5min95°C/1min 30c 55°C/30s …… .72°C/30s 72°C/5min |
| Am106bb | BV678756 | F-CTCACGAGTCAGCATTTCCC R-TCAACTTGCATAGACAGGGC | Buffer 1.0xMgCl2 2.5.mM dNTPs 0.2mM Primers 0.4μM each Taq Pol 1.0 U | 95°C/5min95°C/1min 30c 55°C/30s …… .72°C/30s 72°C/5min |

Primers from:

a: Strecker, U. 2003. Polymorphic microsatellites isolated from the cave fish *Astyanax fasciatus*. Molecular Ecology Notes 3:150-151.

b: Protas, E. M., C. Hersey, D. Kochanek, Y. Zhou, H. Wilkens, W.R. Jeffery, L.I. Zon, R. Borowsky y C. Tabin. 2006. Genetic analysis of cavefish reveals molecular convergence in the evolution of albinism. Nature Genetics, 38(1): 107-111.