**Supporting Information Table S2**. List of microsatellites analyzed, their Genbank accession numbers, the chromosomal location of each locus in the *Rhagoletis* genome (Michel et al. 2010), and the primer pairs used to PCR amplify the microsatellites.

|  |  |  |  |
| --- | --- | --- | --- |
| Locus designation | Genbank accession number | Chromosome # | Primer sequences (5' to 3') |
| p03 | AY734887 | 1 | TCCACTCAAATACGGCAACA |
|  |  |  | GCAGCCGATCTTTTCGTCTA |
| p04 | AY734888 | 1 | GCAAGCGAGTCGTAATCACA |
|  |  |  | CCCTCATCATTGTGGTCCTC |
| p07 | AY734891 | 3 | CATTGGCAACGCTAGTTCAA |
|  |  |  | GCGCTGAAACCATGAAAAAT |
| p09 | AY734893 | 5 | CGGCAGGTAAATGACCAAAA |
|  |  |  | GCAATGACCGTTGGCTATTA |
| p11 | AY734895 | 4 | ATGCAGCCATGACTGAGATG |
|  |  |  | TGGAAAGTAATTTCACAAAGGCTA |
| p16 | AY734900 | 3 | CGCTTTAGATTTTCGCTACACA |
|  |  |  | ACGCAGTGCCAAATCTTCTT |
| p18 | AY734902 | 5 | CCCAATGTCCCGTAAACTTC |
|  |  |  | TTCACTCAATGCCCATTTCA |
| p25 | AY734909 | 4 | ATGACATTCGCTACGGGGTA |
|  |  |  | TCTCGGAGAGTGGCAGTTTT |
| p27 | AY734911 | 5 | TTCTCACATTTTCGCGTTTG |
|  |  |  | CTGGCCAATGCATAAATCCT |
| p29 | AY734913 | 4 | TCCATGTGTGCCAGAACATT |
|  |  |  | GACGTTATTTCGCTCGGTTG |
| p37 | AY734921 | 1 | CAACAGCGCGACTTAGTGAA |
|  |  |  | TGGCTTCCACCTTTGTTTTT |
| p46 | AY734930 | 2 | GCGCATTTCTCCATTCATTT |
|  |  |  | GCGGTAATTGTGCGTATGTG |
| p50 | AY734934 | 4 | GTGCAACCAGTGAGCAGTGT |
|  |  |  | TCTGACTGGCCCGTATTTGT |
| p60 | AY734944 | 4 | TACAACCTAGGCAGCCCAAC |
|  |  |  | GTCTGGTTTGGCGATCACTT |
| p66 | AY734950 | 3 | GCAAACCATTTTCCACGAAT |
|  |  |  | CGAAGCATGAATGCAACAAC |
| p70 | AY734954 | 2 | CAGCCTGCCAACACCATT |
|  |  |  | GCAACGCCTTCAAATTCATC |
| p71 | AY734955 | 1 | CGCAAGCACTTTTTGAACTG |
|  |  |  | CTGCTGAATTGGCAGCATAA |
| p73 | AY734957 | 2 | TTTTCTCGTCTACTCGTGTTAGTTAAT |
|  |  |  | AAAATGCACTTTGTAAATAGTCACTCA |
| p80 | AY734964 | 3 | GGACAGTTGTGGTTGCTGAA |
|  |  |  | TCCTTTGCAATGTTATGGTAATTG |