

Table S1. Microsatellites used in the study.

Microsatellites list	Primer sequence	GenBank accession n°	Literature source
Neutral			
R1atCa17	F:CCCAATGTTTTTCGTTCAACC R:TGATTAGGAACCCCTGTGTTG	AF327361	Garner <i>et al.</i> 2002
Rtempμ4	F:TCATGCAGGCAAAGGTCAGG R:AGAACCGCTGGTGTCCCAAC	AF297975	Rowe <i>et al.</i> 2001
Rtempμ5	F:GATCCACGTATGAGGATAGTTCAG R:AGCAGGACTTGTGGACTGCG	AF297976	Rowe <i>et al.</i> 2001
RCIDII	F: GCTGAATTTTGGAAAGATGAG R: CAGGAAGAGCAAAAGTTCC	L42815	Davey <i>et al.</i> 1995
EU334906 (EU_06)	F:AATAAACGTGCTCAGGAGTGTG R: TGACCAGCTAAGATAAATCGCA	BFG004	Matsuba <i>et al.</i> 2009
EU334912 (EU_12)	F:CAGCTCTCAATAGGACAGGCTC R:ATCAGAAGGGAAAGGGGATAAG	BFG014	Matsuba <i>et al.</i> 2009
EU334915 (EU_15)	F:GACCTCGATTAGCCAGAAGACA R:GCCCAAGGAAACATTACACAAT	BFG021	Matsuba <i>et al.</i> 2009
EU334919 (EU_19)	F:GCTCCCATTCCTTCTCTCTTTC R:TAAACACCTTGCGGAGTAAAGC	BFG028	Matsuba <i>et al.</i> 2009
EU334924 (EU_24)	F:TCTGGGACATTGAAGAAGGATT R:AAATAGACTGGGCACGAAGGT	BFG038	Matsuba <i>et al.</i> 2009
Stabilizing selection			
RtCa25	F: GCCAGGGTATGTAACTTATGAGC R: GTTTCAAATGTATATTATTGGTGCAATG	AF447866	Garner <i>et al.</i> 2002
WRA1-160	F: TCAAGCCCTGCATTACGGTGTG R: CTGAAACATTCCCTGCAGCAGCT	AJ419883	Arens 2002
RRD590	F: GATTAGTAACAATAAAGGCACATG R: CTTTGGAGCAGGAGGTG	D78590	Nakamura 1996
R1atCa18	F:ACTGCTGCATCCAAATCTCC R:GGGTATAGCCATACACCTGTGC	AF327356	Garner <i>et al.</i> 2002
RtμP	F: TCATCCCTGCTACCTAATC R: AAGCAATCAGGAATAAGGGG	AF489582	Pidancier <i>et al.</i> 2002
Diversifying selection			
RC08604	F: TTGGAGACCCTCAGGG R: TCATGGAAGTGTCTTATCAC	U08604	Chen <i>et al.</i> 1994

Null alleles

EU334911(EU_11)	F:TCAGCAATAGCATCTCTAGGGC R:TCTGCATGGGTTTACTCCAGAT	BFG010	Matsuba <i>et al.</i> 2009
RECALQ	F: GGAGGGTGAAGTCAACACT R:ACATTTGAATATATAAACTAGTTAGATGC	X64324	Zorzato 1992
R1atCa41	F: TGGTCTGCAAACACTCATTAC R: GCAACAATGGGACTAATATAAGTGAG	AF327362	Garner <i>et al.</i> 2002
Tried but not used			
WRA1-22	F: GCACTGTCCTGTGTAGGAAT R: GTTGCTATGACACAGGGC	AJ419881	Arens 2002
WRA1-28	F: GCCAGACCGTGACATAAAT R: TAACCCCTTCCATTGAGC	AJ419882	Arens 2002
WRA6-8	F: CTAATGGCATATTCCTGCTC R: TCGTTTTTTGAAGTGGACTT	AJ419884	Arens 2002
Rtemp μ 9	AGCGCCATGCTTATGCTGAG TTGATATTTGCTTGCGGGGC	AF297980	Rowe <i>et al.</i> 2001
RNTYR2	F: TGGGACTTTTGCTAGCTG R: GCCATAGGCCATAGACG	D37779	Nishioka 1995
RtCa11	F: CCTCTCCAGTACCTTTTCAGG R: GCCCCCAGTCAATAGATTATG	AF447862	Garner <i>et al.</i> 2002
Rtemp μ 7	F:TCTTTCCTGCAACCCGTGTG R:CCTTGTCCTCTGGCAAAGC	AF297978	Rowe <i>et al.</i> 2001
Rt μ J	F: TGGTCAACAACACACGGAAAGC R: GATGTATTTGTCTCTGCTGCC	AF489580	Pidancier <i>et al.</i> 2002
RNTYR2	F: TGGGACTTTTGCTAGCTG R: GCCATAGGCCATAGACG	D37779	Nishioka 1995
Rt2Ca9	F:TCCCTTAATTGTGCATTTTTCC R:CTCTTTTCCCTTATAGGTGCAG	AF327358.	Garner <i>et al.</i> 2002
