

TABLE S1**Primers used in this study**

Primer	Sequence
A) <i>ade2</i> P element excision allele analysis	
ade2_for	CCTTGCAAGTTACGCAATGG
ade2_rev2	TGAACATGATCGGTTTCACG
B) p35 RTPCR analysis	
p34_for	AGCGATCAAATGGATGGATTCCACG
p35_rev	CGGCTTCAACACGCATACCGC
CG7939_rp49 L	CTA AGC TGT CGC ACA AAT GG
CG7939_rp49 R	AAT CTC CTT GCG CTT CTT G
C) qRT-PCR analysis of genes identified in microarray experiment	
CG6660L	CCTGAGCAACACCTACCTC
CG6660R	CAGCACTATGAATACCGTGTC
CG6660newL	CTCGACACGGTATTCATAGTG
CG6660newR	AATGAGGCGGCATAGTAGTAG
CG6660L-2	TGCACACGGTGATGTATGC
CG6660R-2	CTGAATGAAGCCGATGAAGG
CG3649L	GTAACCAAAGAGTCGGATCG
CG3649R	CTTTGGTGATGCTTCTGTTTC
ade2 1 F	TCAGCTATGCGGACACTTTG
ade 2 1 R	CATCTTGACGACGCTTGAAA
RpII215L	CCCAGGTTATTGCTTGTGTG
RpII215R	CCCATAGCGTGGAATAGAAC
CG5866-3L	GAGACACATCGGTCATCACG
CG5866-3R	CAGAAAAAGAAAACAATACAACCTTAGG
DNaseIII	AATGCGATCTCTGTGCTTC
DNaseIIR	TAAAGGTGCCACCAATCTAC

CG41436L	GAACACCAGGAGCCGAATAG
CG41436R	CCTGTGCCTGTGTATCGTTG
CG17612-5L	CGATGGAGAACGTGTGTCAG
CG17612-5R	CCGTCTTCGCCGTTTATG
CG17612Lnew	ATTTGGCACCAAGCATAAGG
CG17612Rnew	TGCTCGCTCCTATGATCTCC
CG5773L	ACACAGTGGCTTGTGCTCAG
CG5773R	CACCGCCATTATTGCATTC
Pph13L	ACTACTCGCCACCCACTC
Pph13R	TGTTAAATGTGGTTCTGTATCTCC
CG31002L	TTTAATGAGGTCCTTAGGATTG
CG31002R	TCGTTATTCAGCACTGTCTTC
CG34439L	ATGATCGGCAATGCTTTC
CG34439R	CTCCTCCTTCTTCACCTCTTC
CG13283-3L	CGAAAAGGCCATGAATCC
CG13283-3R	TTTAAAGTTGAAAACATCAAGTATGTG
CG14332-3L	ATCATCAGCAAATGACCAAAC
CG14332-3R	TTCCGATAGAAAAAGGTTTGAGAG
HtrA2L	GCGCACAGTGGTGGACTC
HtrA2R	AGGGATCTTCTGGCGTAATG
MESK2-2L	ACGGAAAGCGTCAGAAAC
MESK-2R	CGCTTGATTCTGATTTATTG
CG4615L	TTACTCACGGCATTGGATAC
CG4615R	CATTCTTCGGTGGTTTGTTG
Ank2-3L	CGGGATTAGGAGAGAGAAAGAG
Ank2-3-R	AGAAGAGCGCCTTGTCTAGC
Ank2Lnew	TGTGCTAGGCGTTGTAATGG
Ank2Rnew	TGTGCTAGGCGTTGTAATGG
FKBP59L	ACGACAAAGAGACCGAACC

FKBP59R	TTCGTATAAGCATTAAAGACCATTTC
CG11436L	GACATTGATGTGCTGGAACG
CG11436R	TGCTTTGTGAAGGGAATGTG
CG7939_rp49 L	CTAAGCTGTCGCACAAATGG
CG7939_rp49 R	AATTCCTTGCGCTTCTTG

Multiple primer pairs were tested for the genes for which transcripts were not measurable by qRT-PCR due to very low abundance or no detection.