

Supplementary Table 1. List of mutations sequenced from pool recombinant DNA within linkage interval for *m48*.

Chrome	chromosomal position	reference base	consensus base	Gene/Intergenic		
3	8183304	C	T	Intergenic		
3	8570260	C	T	AT3G23780: PolIV large catalytic subunit		
3	8901305	C	T	AT3G24480: Luecine Rich Repeat		
3	9575990	C	T	AT3G26170: Cytochrome p450		
3	9872818	C	T	intergenic		
3	9876968	C	T	MIR169k		
3	10155521	C	T	AT3G27430: 20S proteasome		
3	10279989	C	T	AT3G27730: DNA helicase		
3	10627624	C	T	AT3G28380	P-glycoprotein17	
3	10972694	C	T	AT3G28380	P-glycoprotein17	
3	10995403	G	A	AT3G28980	Unknown Function	

Supplementary Table 2. List of mutations sequenced from pool recombinant DNA within linkage interval for *m61*. Note: only mutations within protein coding genes are listed for *m61*.

Chrome	chromosomal position	reference base	consensus base	Gene	
2	11630347	T	G	AT2G27190	PAP1
2	11645660	A	G	AT2G27220	BLH5
2	11846679	C	A	[none]	[none]
2	12193566	A	G	AT2G28500	LBD11
2	13097195	G	A	AT2G30720	—
2	13141262	G	A	AT2G30830	—
2	13525505	G	A	AT2G31790	—
2	13549099	G	A	AT2G31850/AT2G31860	—/—
2	13692955	G	A	AT2G32240	—
2	13786274	G	A	AT2G32450	—
2	13889734	G	A	AT2G32730	—
2	13898532	G	T	AT2G32760/AT2G32750	—/—
2	13924797	G	A	AT2G32800	AP4.3A
2	14229968	G	A	AT2G33580/AT2G33585	—/—
2	14666726	G	A	AT2G34740	—
2	14674736	G	A	AT2G34770	FAH1
2	14876936	C	T	AT2G35330	—
2	15402554	G	A	AT2G36720	—
2	15468941	G	A	AT2G36850	ATGSL08
2	15727791	G	A	AT2G37440	—
2	16017598	G	A	AT2G38230/AT2G38220	ATPDX1.1/—
2	16722567	G	A	AT2G40030	NRPE1
2	16766778	A	G	AT2G40120	—
2	16795748	A	T	AT2G40190	—
2	16928592	A	G	AT2G40520/AT2G40510	—/—
2	16965705	G	A	AT2G40630	—
2	17321775	A	G	AT2G41510	ATCKX1
2	17325536	G	A	AT2G41520	—
2	17498243	G	A	AT2G41900	—
2	17953296	G	T	AT2G43150	—
2	18288305	G	A	AT2G44210	—
2	18571227	C	T	AT2G45000	—
2	18631649	G	A	AT2G45170	AtATG8e
2	18755251	G	T	AT2G45490	ATAUR3
2	18832271	G	A	AT2G45690	SSE1
2	19702295	C	A	AT2G48160	—
2	19702746	G	A	AT2G48160	—
2	19703119	C	T	AT2G48160	—
2	19703781	A	G	AT2G48160	—
2	19704906	A	T	AT2G48160	—

Primer	Sequence
MEA-ISR Bisulfite	AAAGTGGTTGTAGTTTATGAAAGGTTTTAT
MEA-ISR Bisulfite	CTTAAAAAATTTTCAACTCATTTTTAAAAAA
FWA Bisulfite	GGTTTTATATTAATATTAAGAGTTATGGGTYGAAGTTT
FWA Bisulfite	AACCAAATCATTCTCTAAACAAAATATAAAAAATC
IGN5 Bisulfite	GTTYYYGAGAAGAGTAGAAYAAATGYTAAATGTATYATGYGGTT
IGN5 Bisulfite	RRACTAARTCTTRTCRAACAARRACCCAACCATRTCCRCTTAAAAA
MEA-ISR Southern Probe	AAACCTTTCGTAAGCTACAGCCACTTTGTT
MEA-ISR Southern Probe	TCGGATTGGTTCTTCCTACCTCTTTACCTT