Table S2. Oligonucleotide primers used in this study.

Gene	Primer	Sequence 5' – 3'
Split marker gene deletion		
ILV1 Sulfonylurea resistance	M13F:IL	**CGCCAGGGGTTTTCCCAGTCACGAC** GTCGACGTGCCAACGCCACAG
	ILSplit	AAGCATGTGCAGTGCCTTC
	M13R:LV1	**AGCGGATAACAATTTCACACAGGA**TCGACGTGAGAGCATGCTAA
	LV1Split	GAGGCCGACGTCATAGGCATC
HPH Hygromycin resistance	M13F:HY	**CGCCAGGGGTTTTCCCAGTCACGAC** CTGATATTGAAGGAGCATT
	HYSplitR	GGATGCCTCCGCTCGAAGTA
	M13R:YG	**AGCGGATAACAATTTCACACAGGA** CTATTCCTTTGCCCTCGGACGA
	YGSplitF	CGTTGCAAGACCTGCCTGAA
MoMca1; MGG_04926	LF-FW	ATAGATGAAGTGATAGTAGCAGGTGAG
	LF-REV	**GTCGTGACTGGGAAAACCCTGGCG** GTGAAGGTGTGGATATCTCAGATAT
	RF-FW	**TCCTGTGTGAAATTGTTATCCGCT** CTACACTCTACCAACAGACTACGGAT
	RF-REV	GTCTGATTAGAACATGATTAGTCTCTTG
	NesFW	CCTTGTCAGATTATGGTCGAGG
	NesREV	TTGCATTTTATAGAGAAG
MoMca2; MGG_13530	LF-FW	GCTAAGACACTCGACCCAAGTGC
	LF-REV	**GTCGTGACTGGGAAAACCCTGGCG** CAAGGTGGAAATGTTGCGTATAAG
	RF-FW	**TCCTGTGTGAAATTGTTATCCGCT** CCGCAGCTGAGACCTATATACTCTCT
	RF-REV	ATAACCACAGTGCTGAGCGTCG
	NesFW	AGGACTAGCGGTGCCGTTTATC
	NesREV	TCTCAGAATAAGCCGACCCTTTGT
Gene specific primers for qPCR		
MoMca1	*qMoMca2-F*	CAGGAACCAGACTTACAACCAG
	qMoMca2-R	CTGAGGTTTCTGGCTGTACTG
MoMca2	*qMoMca1-F*	AACAAAAGACCTCGACGGAG
	qMoMca1-R	ATGTACGGCAAATCTAGGGC
MoAct1; MGG_03982	*qMoAct1-F*	ACAATGGTTCGGGTATGTGC
	qMoAct1-R	CGACAATGGACGGGAAGAC
Protein expression		
pET15b *MoMca1* Nde1 FW		GATCCATATGATGAGCGGTTATCCCGGTCA
pET15b *MoMca1* XhoI REV		GATCCTCGAGTTA CATGACAAACCACACGTTTTCG
pET15b *MoMca2* Nde1 FW		GATCCATATGATGTCTGGATACCCGGGTCAG
pET15b		GATCCTCGAGTTACAAGATGAACCTTAGATCCG

MoMca2 XhoI REV		
pET15b; *Yca1* NdeI FW		GATCCATATGATGTATCCAGGTAGTGGACGT
pET15b; *Yca1* XhoI REV		GATCCTCGAGCTACATAATAAATTGCAGATTTACG
Missense mutation		
pET15b; Yca1 C276A FW		CAGCATTGTTTGACTCTGCTCATTCGGGTACAGTGT
pET15b; Yca1 C276A REV		ACACTGTACCCGAATGAGCAGAGTCAAACAATGCTG
pET15b; MoMca1 C242A FW		GCCATCTTTGACTCTGCTCACTCTGGCACTGC
pET15b; MoMca1 C242A REV		GCAGTGCCAGAGTGAGCAGAGTCAAAGATGGC
pET15b; MoMca2 C257A FW		ATCTTCGACTCCGCCCATTCGGGAAC
pET15b; MoMca2 C257A REV		GTTCCCGAATGGGCGGAGTCGAAGAT
Complementation		
pBGt *MoMca1, MoMca2*	FW	ACAGCTATGACATGATTACGAATTCGTGGGTAGCTGCAACCTAG
	REV	TTACTTATCGTCGTCATCCTTGTAATCCATGACAAACCACACGTTTTC
	FW	GATTACAAGGATGACGACGATAAGTAATGAGACTGCGGTTCGGAC
	REV	TAAAACGACGGCCAGTGCCAAGCTTTTAGAGGTCTTCTTCGGAAATCA ACTTCTGTTCCAA GATGAACCTTAGATCCGTG
Yeast expression		
pESC-Leu *MoMca1* XhoI FW		GATCCTCGAGATGAGCGGTTATCCCGGTCAAG
pESC-Leu *MoMca1* HindII REV		CCTAAAGCTTTTACATGACAAACCACACGTTTTCGGTA
pESC-Leu *MoMca2* XhoI FW		GATCCTCGAGATGTCTGGATACCCGGGTCAGG
pESC-Leu *MoMca2* HindII REV		CCTAAAGCTTTTA CAAGATGAACCTTAGATCCGTGTTCAG
pESC-Leu *Yca1* XhoI FW		GATCCTCGAGATGTATCCAGGTAGTGGACGT
pESC-Leu *Yca1* HindII REV		CCTAAAGCTTCTACATAATAAATTGCAGATTTACG

2

3