

TfMSR 1 MNSMEIRQAFAGLLTLSMFIIMLGNIKKDHFY-----PAEEVEIQTTTEVSOHDLATV
AtMSR1 1 M-GVDLRQVVAGILTIITMFVMLGQMLHRDYFDSIQEKAQGDADIEFEGSKVSVKD-GLV
AtMSR2 1 M-GVDLRQVVAGILTIITMFVMLGQMLHRDYFDAVQEKVQGDADHIEFHGSKVAVED-GLV

TfMSR 54 SHISQKSK----QNDKALKPCWNPPTLKEVEQSKGFTIFSLTNGPEYHIAQVADAVVVAK
AtMSR1 59 GTVE-GSKGLWMEDNTDLTPCWPTLLSDAVSSKGYVTFSLTNGPEYHISQITDAVMVAK
AtMSR2 59 RAFAAGIKGPWMEDSHELKPCWSISQSDAVSSKGYVTFSLTNGPEYHVSQITDAVMVAK

TfMSR 110 YLGATLVLPDIKNSKSGNSMNLGDIYDVENVLNKLNGLVKVTKTLPFHVSTRNTPIVRVP
AtMSR1 118 HLGATLVLPDIRGSKPGDERNFEDIYDAKLIKSLENVVKVVKLPPEEVSLRNMAIVKVP
AtMSR2 119 HLGATLVLPDIRGSKPGDEMRFEDIYDVDKLIKLESVVKVVKLPESHVSLRDIAIVKVP

TfMSR 170 NKVSQDYIMKKLKPIVQAKGIKTESYFPSKN-TISRNNNSLESLLCQTMFGGTLELKKK
AtMSR1 178 TRVTEDIYKEHIDPIFKSKGNIRVASYFPSVNLKSSQDGETDPVAACLAMF-GSLELQPE
AtMSR2 179 TRVAEDIYKEHIDPIFKSKGNIRVTIYFPSVNLKSSQGAETDPVSCLAMF-GSLELQPA

TfMSR 229 IQEEAESIVQKLETWSQESNGPFVAVDLRIGSL-KNECNGKDKCKGRKQCYQGHEICEFLK
AtMSR1 237 VNAAVAESMVERLRTHSRKSGGRFIAVDLRIDILEKKNCHTTGAVGSKTCYNAQEIALFLR
AtMSR2 238 VNELVESMIQRLKTHSKSGGRFIAVDLRVEILEKKNCHETGAVGSKTCYNAQEIALFLR

TfMSR 288 RIGFGQETVIYVTQTKWSPDLNSLRYMFPKTYTKENIMSSITKKEKFINSESIEFEKATDF
AtMSR1 297 KLGFDSDTTIYLTQPRWSSLNILKDIKPKTITKEAIMPASKRSKYLESVSSEYENVVIDF
AtMSR2 298 KLGFDSDTTIYLTQPRWESSLNILKDIKPKTYTKEAIMPDKKTKYLELENSEYENVVIDF

TfMSR 348 YICSESDVFPVPSILGPFYENVAGMRTVSGKNEIIVPSEMVSPSASASEHMSPYVTTKNHL
AtMSR1 357 YISSRSDVFPVAISGLFYANTVVGKRIALGKPOVLVPAEISSETSGLATDFISPYISKKNHL
AtMSR2 358 YISSRSDVFPVAIPGLFYANTVVGKRIALGKPOVLVPAEISGTSGLPANYISPYISKKNHL

TfMSR 408 AYKCFC
AtMSR1 417 AYSCFC
AtMSR2 418 AYSCFC