

RpMR1	VWEDGSPTLYSSWYNPNPDEFESDEDCAV. . . I MGNGLVNDVRYCFVFRYI CK. . .	LPKCSVKNKDPKMTTFKACDESS	762		
RpMR2	KWSDGS AVNFTS VGRGEPNDADGSDCDE. . . YNSGLRKWDNSCYLAKNFACK. . .	I KL CVLQKTLTATRPPTNP. . .	601		
RpMR3	YKTDGWI GLVYRNGWCAQYCGDNTLI N. . . VRNLPDNYTEQDCAL NSYGLLS. . .	DEYCKSLGFI CSYPI TRDECPGSA	173		
RpMR4	VWENGSP TLYT YFWRNPNNAGAGEDCAA. . . I SPGDGYNDLTCYI AKRYI CK. . .	I PRKCSVKNKDPPI NTFKACDESS	75		
RpMR5	VWEDGSP TLYT YFWRNPNNAGAGEDCAA. . . I SPGDGYNDLTCYI AKRYI CK. . .	I PRKCSVKNKDPPI NTFKACDESS	99		
RpMR6	. . . NI I LLLAL VTI PVVDADFCKVCN. . . YNI EKCVFPTTSENG. . .	KAI CYLYEFDCCKPI VTEINLPSGW	62		
RpMR7	TTVDGLTVAYIDWGQNEP NLTGTECVS MRDLS SYSSGWNKK DAPLRAACREETS TTTTTTTTTTTTTT	PMTTTTTI ATTAPVLI TLPTCGACR	1395		
RpMR8	AAQEDGQFLRKVGTNTTPSL YLQEPYGPKNP I PGNVINS SPVTYFKFSHFQARI R. . .	I VPNGWHTI ALAFI GLVQCGNGCVA	605		
RpMR9	I TIGM NMLMI GWGKKI VSTS SF SQVI EKTLLI LELKREWNDDH ARQYGVYCK. . .	VRVQSI I TPVVPITGLWACN. . .	86		
RpMR10	. . . MGNKKQKSI VI D. . . KYQKELSLSPSPVSS. . .	QTYGLCFLLDDFNRLNYRCPYPN H	53		
RpMR11	. . . MQRFAFVA I I CVT. . .	HAKCYDVNNTPS DI DARYLI DVG	78		
RpMR12	. . . MPYLHECDH KQCPHQVCYSKLI VSDSGFVYDTGCI EQLKCFI QQVS. . .	CI GENVLYKSGCTSSCAFDLI GVG	33		
RpMR13	. . .	. . .	0		
Consensus	. . .	. . .			
RpMR1	PDLGKWKVFGDFCYFFGY. . . DEALTWHEANANL DKS. . . NSVS VHSHEENRFLLSMASQ. . .	KLGVYI GFNOLDLDRFS VSDG. SVDI. . .	844		
RpMR2	SLPGWKL FNGSCYYVNTSDGPNRL SWF DARDYI QCGG. . . ELVSI HSLQENGSLTI I TQT. . .	VKS DCWI GFIDNGVN. QFGWIDG. SPS D. . .	680		
RpMR3	DNSRVLMTDTTCFYI SLLDLS. TKHL SWNDANTYKNLSP THGAKLASI LS ADDMRSL KSL LSSFNKP. GVL L	PWITS LNDQQTGGS YVGL NCPQANGS	27		
RpMR4	PDLGKWKVFGDFCYFFGY. . . DEM TWH DANANL SKGS. . . NLAS VHSHEENRFLLSMAH. . .	ESDVCWI GFNOLDLDRFS VDE. SVDI. . .	166		
RpMR5	PDLGKWKVFGDFCYFFGY. . . DEM TWH DANANL SKGS. . . NLAS VHSHEENRFLLSMAH. . .	ESDVCWI GFNOLDLDRFS VDE. SVDI. . .	177		
RpMR6	SAVAFEHQGYVLGDPN. . . TKI EVQCEPLSTDI LS. . . STNS IDATTS ITTLPTTTC. . .	TTTTTTTTTQPTITATTKMTTTPAP. . .	145		
RpMR7	SGWL SVKYSTCFRI FE. . . ESDVNL LSAASKONNA. . . RLASI KNI YEQVFTI LIRTI VGVNGDGMV GGI DEHAGS VQVMTNLFIR. . .	1485			
RpMR8	LI SGAIHI ADELSSSS. . . VLDTHTIVARLRNLP ANGAYA. . . CAVI PKYSDKQYLKADLFC AI QI TAVSTOGAFS ADWWS YKI S YSSD. . .	NQWA. . .	697		
RpMR9	. . . PSGEHMFNRCYRI YP. . . KPVNMTI ALANQCLGSGY. . . SLASI LDIYVNAI TILNAD. . .	MQVNPVI G. LHKDENNQLL WNN. . .	167		
RpMR10	RSARLFTYQQYCI EFVVG. . . NPTVMS DARDYI QHRRG. . . TLVSI PDSGTQKFLMAVEWQFS. . .	PESKCLVI GLNDRS NENHWVNG. DCLHE. . .	141		
RpMR11	VKTNDAKLEAVGI AI KN. . . LHQITDEGG. . . FLVHI NSQAKYDAI VEMDPN. . .	NVAGYI HLGGRKNSNNTFNDG. TRMT. . .	114		
RpMR12	TI VGRSLAI GCSGCC. . . TTF CNSNS LLENVLS. . . PTHAVTVESTI TTTSGQSTS. . .	TPASKLPTTTATP VCRHSHYI YAVI CGTC. . .	158		
RpMR13	. . .	MLA. . . RLVI VETTEENS FLNRRLRSR. . .	TKNDYVI G. KMFSSPGGWK VSETNETVT. . .	51	
Consensus	. . .	. . .			
RpMR1	. . . FTYVASGKPN. YG. GERYVTFHYH. . .	GNKCFYFNFDKTYVAHAKDKCEM RG	893		
RpMR2	. . . FTHVNGCEPNDFA GAENCAQI RAS. . .	NSYVNDNENKHYFI KRPRTGNVPT	739		
RpMR3	I I NSNDVAPSAIDRTQNRNCCI MYCGCSI DEVICDKR. . . SHYI CENSAYCGHLNLCQCSWI RAGOS	CYLLGNGKGYTVNARDCC ARANA	359		
RpMR4	. . . FTSVASGQPNII Y. GEKVPI VEDCS WHEYPNDNRKPYI CMKRKDVITMTTI APTKVM	NGCPEQFNHFFGNKCFYFNFDKTYRDAHAKDCETI RG	258		
RpMR5	. . . FTSVASGQPNII Y. GEKVPI VED. . .	GNKCFYFNFDKTYRDAHAKDCETI RG	227		
RpMR6	. . . VYVCPSSI CQSAS. CDKTMFI NN. . .	KLKCMYENKQVETWASADNCKVEHG	195		
RpMR7	. . . SVVVS TGQPDNYK. QENCATMRTHS VVCELNDAG. . . CVI QAGQVI CQYSQDDKNS	EGWYNGEITTCYKYLQERETVNAARLCKVHGG	1574		
RpMR8	. . . VYVYELGSGQKVFDCNENRI ARK. . .	HYLLVPIFI ARYI LI YPCSWNNRI ALRF	248		
RpMR9	. . . YTNMADEPNRG. KEACVILVGMMLI VQLN. . .	MPPTI LTAETPI KSI CDVQGGI LFKTCYFFLLQASNSQASITCLKQGG	748		
RpMR10	. . . FTYVGNDEPS. . . KLI HFA. . .	QDCVWLQI KDGGHWDPECGLPFTYN	184		
RpMR11	. . . FFRMAPNEPS. . .	KNSCELQLFLETQKTMHGVCREKAP	151		
RpMR12	. . . FHYVDNQLSLSAARQEQKEG. . .	ADLLQLKLSNAEHFFQHLSTFNKNNN	207		
RpMR13	. . . FFDALGEPLD. . . CD. . .	IEDCAVFG. . . DITI EYKWDVICTSARN	88		
Consensus	. . .	. . .			
RpMR1	HELPSI HSEI EKDFI ALNVYG. . I STSVLMGQJLNTDGHFCMACNS PLDYSNMAPNEPS. . .		950		
RpMR2	NPAPITPI AGCQPTGFTPVPHCNKCYKI GARRTADRRNYTS ARITCRLYGAGYCI ASVTN. . .		800		
RpMR3	QLVQDFDEKCVLEGLNLG. . . PCGYVTLTRVQNSHGWAQCE VSAVP ALI KYSTEP. . .		415		
RpMR4	HELPSI HSENEKDFI ALFVNG. . VSTS VLMGQJLNTDGRF LWTITNS PLDYSNMAPNEPS. . .		315		
RpMR5	HELPSI HSENEKDFI ALFVNG. . VSTS VLMGQJLNTDGRF LWTITNS PLDYSNMAPNEPS. . .		284		
RpMR6	HELVTI SSAATDEQEVYQYVRS. . YGHETWI GLNDVKTEEKFMTS CKPVVNL MYWPKS PLSDI EDCVALG. . .		265		
RpMR7	I LATI ANKPEFCLFKAASADLS MGCAVI GAHMQEDQLFQWI ECTTMI NGLMAPNPNMKNQCNQGLTVNAL	DALGLI QDDFCEDKRYPI CAI KSC	1674		
RpMR8	EL YGCGAASGVRI GCEADDAHDLRLKYEPYITP RVGMPPNCVHEHCFRKGYYIAGLQ. . .		807		
RpMR9	AYLS SVNSGYEQAFI YLTMRQHNVAIVI GLNEI KQSGTYWTTI NMPVYVNSMDAGCPVG. . .		308		
RpMR10	FI CQYSMLPTTTHCTHTTIS NI KTTTASTPNKTTTTT VRETTLS TSTPTTKITTPVMT. . .		243		
RpMR11	YLCEI TDI NE. . .		161		
RpMR12	RRYVLGAHKHAGDNFYW DG. . . RKVDSYEWAPGEPNNV LKNECDLTLTF AANPG. . .		261		
RpMR13	I LCEMENLAK. . .		98		
Consensus	. . .	. . .			
RpMR1	. . .	SNHDAYAHEPCVEMWTD			
RpMR2	. . .	FLECGKSLKYI PPACTTGNLP			
RpMR3	. . .	NNQGI EDCVEI HFDCLYNDRC			
RpMR4	. . .	SNHDAYAHEPCVEMWTD			
RpMR5	. . .	SNHDAYAHEPCVEMWTD			
RpMR6	. . .	PNTGTVEDNCSLRHAYCEYKAVI			
RpMR7	. . .	KSCWEKFCGNCYLFLS			
RpMR8	. . .	QKFCQGS YGKYGPACTC			
RpMR9	. . .	CCQCVI ANITGRWI			
RpMR10	. . .	TTVACQDI DQKSCPCGSGVFNQ			
RpMR11	. . .	LHI PEAFSLNDENCD			
RpMR12	. . .	LHI PEAFSLNDENCD			
RpMR13	. . .	. . .			
Consensus	. . .	. . .			
RpMR1	LSVCPNGYI L. . LKQI CYKLI T. . .	ATCSVNQSLQSSDGA. . .	QM SI ANPVTF. ILLRVLLGSVLT. . .	1078	
RpMR2	VITI YEQAFL DILI GTLSTPVVI GLADQJRTS YADAEGDCTSRX. . .	QLASI SKKTEENAI LTMVNDPSTSI. NI V GFR. . .	KKGFFSVSDGS. . .	947	
RpMR3	KSLCSGVSN. . CQOS CYFSPAN. . . NSF AVTWYAEAKQMDLVAGYSI	SAYRLAVNDKKEQECI NGLRALPDGAPGYITELNLIQKQ WYALESNN	. . .	548	
RpMR4	LSVCPDGVYL. . LKQI CYKLI T. . .	ATCSVNQSLQSSDGA. . .	QM SI ANPVTF. ILLRVLLGSVLT. . .	1078	
RpMR5	LSVCPDGVYL. . LKQI CYKLI T. . .	ATCSVNQSLQSSDGA. . .	QM SI ANPVTF. ILLRVLLGSVLT. . .	1078	
RpMR6	SASMKDVSVLQYKSCYELI PN. . I RVS VHGECVYQRC. . .	HLAYI I DADEQ. CFVHYFLSYSSRH. AYI LCHDTI ENHFEVTS	SGSSV. . .	413	
RpMR7	KKCGDWGVNYETDTCYKYYLQ. . ERETVNAARLKVEHC. . .	I LATI ANKPEQ. FFLKVASADLSMK. GAVI GAHMQEDQLFQWI	EGTTW. . .	1057	
RpMR8	FKI CPTDWS. . YGNRCYVLQIT. . . KCSVYDGRAS	QNGCC. . .	DIAS PNSQAQEDFVSLLEYANKEN. . .	938	
RpMR9	ALCPDGWYS. . WKSHCYVLGVN. . I PRSALDAGFYCQHCC. . .	ALVSI HNJTNLNQLVKTMSLAVNQ. SFITELHKS ICSG. FCVI TRSPV	. . .	1029	
RpMR10	. . .	. . .	. . .	277	
RpMR11	. . .	. . .	. . .	161	
RpMR12	TQCRNSHYI YTAQSTCYHYVYN. . . KQLSASARQEQKEGA. . .	DLLQLKDANAHEHFFQHLSYNDKNNRRIYI	GAQKHPNEGNYFVFDQRVD	397	
RpMR13	. . .	. . .	. . .	98	
Consensus	. . .	. . .	. . .		
RpMR1	. . . SPTVPARTS. . .	IPTGCLYSQRHILSSAESENRAVI	QKI DN. . .	1117	
RpMR2	. . . GVAYVNMNGPT. . .	G. . . NDCVMRHTIDGRWQSVTSRKGVI	QKAPKLP. . .	993	
RpMR3	EPNCAVI SWAKENPNNF. . .	NSENCAYI YRGVYDNMCKDAKEYFI	CERTITTI SGRSKI SSWMFI YLLSLFI	VI RNH. . .	624
RpMR4	. . . SPTVPARTS. . .	IPTGCLYSQRHILSSAESENRAVI	QKI ENSI STTSSTTAVTITDPIYITCREKSW	LYKNCCYTTTLELTS. . .	527
RpMR5	. . . SPTVPARTS. . .	IPTGCLYSQRHILSSAESENRAVI	QKI DN. . .	. . .	452
RpMR6	SYTNWVPHLNFEGAHC. . .	YEDCVAFVPYKGDWDEI HCESI KLI	DHHLGDEHVPYI QOYDLPI VQALG. . .	. . .	478
RpMR7	I NGLWAPNPNMKGNC. . .	NCOLTVNALPNALGLI QDDEEDKYPYI	CAI KSCQSWKFCGNCYLFLS	LENRCWEAKAYCES VYARLAI VESAKE	1952
RpMR8	KYTNVGLNQPSHTILNDN. . .	QDCVVMQNTS GOWQES	CVSHMF VQMGKRRS SQPASTVLPDGCQKWDGVS	CYLYADAKRTWQES KAVCE	1029
RpMR9	QFTNRKCEPSTRGWAC. . .	NS. . . ENCAEVELSDGMNEED	NSRRLFVCEKSPVDNSKI HI C. . .	. . .	493
RpMR10	. . .	. . .	. . .	. . .	277
RpMR11	. . .	. . .	. . .	. . .	161
RpMR12	SSVWAPGEPNNVLRNEECDLTWFP	AVTDLHI PEAFANNDN	ICTSYFYI CEETRGI. . .	. . .	455
RpMR13	. . .	. . .	. . .	. . .	98
Consensus	. . .	. . .	. . .	. . .	