

ht1R1 -----MLLCTARLVGLQLLISCCWAFACHSTESS---PDFTLPGDYLLAGLFPPLHSGCLQVRHR----
rT1R1 -----MLFWAAHLL-LSLQLVYCWAFSCQRTSS---PGFSLPGDFLLAGLFSLHGDCLOVRHR----
CAG03219.1 -----MHLQTGTFAILLSTTNLVLQLVRGELDRSSHGQGMQLHGNFSIAGFFPLHYGYEPDGRLP----
rT1R2 -----MGPOARTLCLLSLLHLVLPKPKLVENSND---FHLAGDYLLGGLFTLHANVKSISHLSS---
ht1R2 -----MGPRAKTIICSLFFLLWVLAEP---AENSD---FYLPGDYLLGGLFSLHANMKGIVHLN---
rT1R3 -----MPGLAILGLSLAAFLLELGMGSSSLCLSQQ---FKAQGDYILGGLFPLGTTEEATLNQR---
ht1R3 -----MLGPAVLGLSLWALLHPGTGAPLCLSQQ---LRMKGDYVLGGLFPLGEAEAEAGLRSR---
CAG07037.1 -----MAVPPTLLVFLLVCKLTCSTPAWFQNIISTN--LFNLPGDIMLGGFLFPINQLTSNLSQRT---
CAG03196.1 MSEGDSVGESIHGKPSVVSFAFFTRIGQIYQSWLDKSTPFYAVRWAATLLLTAVYMRVYLLQGWYIVTYA
CAG03199.1 -----MGRSLACLCLLGLVLYPLARGTVPASE---FRLEGDYLLGGLFEIHYDTFPTPHDR---
mGluR1 ---MVRLLLIFFPMIFLEMSILPRMPDRKVLLAGASSQRSVARMGDVVIIGALFSVHHQPPAEKVPE---

ht1R1 -----PEVTLCDRSCSFNEHGYHLFQAMRLGVVEINNST---ALLPNITLG--YQLYDVC
rT1R1 -----PLVTSICDRPDSFNHGYHLFQAMRFTVEEINNSS---ALLPNITLG--YELYDVC
CAG03219.1 -----ALALCKDGD-LNKHGFHLLHAMKLAVEEINSNTGAQSLLPGVMLG--YQMYDTC
rT1R2 -----YLQVPKCN-EFTMKVLGYNLMQAMRFAVEEINNCS---SLLPGVLLG--YEMVDVC
ht1R2 -----FLQVPMCK-EYEVKVIQYNLMQAMRFAVEEINNDS---SLLPGVLLG--YEIVDVC
rT1R3 -----TQPNGILCTRFSPLGLFLAMAMKMAVEEINNGS---ALLPGLRLG--YDLFDTC
ht1R3 -----TRPSSPVCTRFSSNGLLWALAMKMAVEEINNKSS---DLLPGLRLG--YDLFDTC
CAG07037.1 -----EPDQITCDRIDSGLGMAIVMKYAVDEINANQ---FLLPGIRLG--YEIHDTG
CAG03196.1 LGIYHLNLFIAFLSPKVDPSLLDEDEGPAIPKQNEEFRRPFIIRLPEFKFVHSATKGIVIAMVCTFFFEVF
CAG03199.1 -----PESLDCSSKTLFPLSNYRRFQLMRFAVAEINNST---DLLPNVTLG--YEVFDHC
mGluR1 -----RKCGEIREQVGIQRVEAMFHTLDKINADP---VLLPNITLG--SEIRDSC

ht1R1 SDSAN-VYATLRVLSLPGQHHELOGLLHYSPE-----TVLAVI
rT1R1 SESAN-VYATLRVLALQGRHIEIQKDLRNHSS-----KVVAFI
CAG03219.1 SESAS-ILASLDVLDYWSSSASGTEPDEFSTSQ-----PLAVI
rT1R2 YLSNN-IHPGLYFLAQD-DDLLPILKDYSSQYMP-----HVVAVI
ht1R2 YISNN-VQPVLYFLAHE-DNLLPIQEDYSNYIS-----RVVAVI
rT1R3 SEPVVTKPMSLMFMKAVGSSQIAAYCNYTQYQP-----RVLAVI
ht1R3 SEPVVAMKPSLMFLAKAGSRDIAAYCNYTQYQP-----RVLAVI
CAG07037.1 RQSAVIIIRPTIYYLRAKHNDNLIAQCNYTNYET-----RISAVI
CAG03196.1 NVPVFWPILVMYFIMLFCLTMKRQIKHMLKYRYLPFTHGKRTYKGDDETKGPLHLNEFFIRMLKSKLSTL
CAG03199.1 SDTRCFAGIFKLLSVDNVVQPNVPGKVS-----KVVAVV
mGluR1 WHSSVALEQSIFFIRDSLISIRDEKDGLENRCLPDGQTL-----PPGRTKKPIAGVI

ht1R1 GPDS-----INRAATTAALLSPFLVPMISYAAAS
rT1R1 GPDN-----TDHAVTTAALLGPFLMPLVSYEAS
CAG03219.1 GPDS-----SSKSFTPATLLGAYLVPQVSYEAN
rT1R2 GPDN-----SESAITVSNILSHFLIPQITYSAS
ht1R2 GPDN-----SESVMTVANFLSLFLLPQITYSAS
rT1R3 GPHS-----SELALITGKFFSFFLMPQVSYSAM
ht1R3 GPHS-----SELAMVTGKFFSFFLMPQVSYSAM
CAG07037.1 GPNN-----SELVSVIGKLLGFFLMPQISYGAS
CAG03196.1 NPSSQSFLLPNYRRFQLMRFSMEEINNSSDLLPGVSLGYEIFDICSDDLQSFPGVLKQISVNGSVSYGAS
CAG03199.1 GLFT-----STFTLTVPAPLFMMDFIPMISYGSAS
mGluR1 GPGS-----SSVAIQVQNLQLFDIPQIAYSAS

ht1R1 ETLVSKRQYPSFLRTPNPKYQVETMVLQKFGWTWISLVGSSDDYGGQLGVQALENQATGQ-GICIAFK
rT1R1 VVLSAKRKFPFSLRTPVPSRHQVEVMVQLLQSFQWVWISLIGSYGDYGGQLGVQALEELAVPR-GICVAFK
CAG03219.1 EMLSNKIFYPAFFRTIPSKNQVAAMIQLLVRFNWTWVALLGSDNSYGLEGMRSLSQQAAPH-HICIAFQ
rT1R2 DKLRDKRHFPFSLRTPVPSHHEIAMVQMLVHFQWNWIVLVSDDDYGRNSHLLSQRLLTKTSDICIAFQ
ht1R2 DELRDKVRFPFALLRTPVPSDHHVEAMVQMLHFRWNWIVLVSSDTPYGRDNGQLLGERVARR-DICIAFQ
rT1R3 DRLSDRETFPSFFRTVPSRVQLQAVVTLQNFNSWNVVAALGSDDDYGREGLSIFSGLANSR-GICIAHE
ht1R3 ELLSARETFPSFFRTVPSRVQLTAAEELLQEFQGNWVAALGSDDEYGRQGLSIFSAALAAAR-GICIAHE
CAG07037.1 DKFSDNLLYPSFFRTVPSKQVQVEAMVLLLEFNWNVVAVVGSDEEYQGRGVQDFSKVAANR-SICVAYQ
CAG03196.1 SVFSSNENFPFSLRTPVPSKEVINVIIRILQHFNRWAAFLNSDNDYFGIDGRNLFIQGKIDT-DICLAYT
CAG03199.1 SILSEKVKFPFSLRTPVPSQEVIVQVIVKLLQYFKWHWVAFVLYSNDDYGANAKLFIKIKNT-DICLAYT
mGluR1 IDLSDKTLYKYFLRVVPSHTLQARAMLDIVKRYNWTYVSAVHTEGNYGESGMDAFKELAAQE-GLCIAHS

hT1R1 DIMPFSQVVG-----DERMQLMRHLAQ--AGATVVVVVSSRQLARVFFESVVLNLT-GKVWVASZAW
rT1R1 DIVPFSARVG-----DPRMQSMMQHLAQ--ARTTVVVVFSNRHLARVFFRSVVLNLT-GKVWVASEDW
CAG03219.1 GVIPEYTRDT-----VALMRNIVDGILM--TKVTTIVVFSKSKLKFMPFVIERNVT-EKVWIGTEDW
rT1R2 EVLPIPESSQVMRSEEQRQLDNILDKLRR--TSARVVVVSPELSLYSFFHEVLRWNFT-GFVWIASZSW
hT1R2 ETLPTLQPNQNTSEERQRLVTIVDKLQQ--STARVVVVSFDPDLTLYHFFNEVLRQNFT-GAVWIASZSW
rT1R3 GLVPQHDTSG---QQLGKVVVDVLRQVNO--SKVQVVVLFASARAVYSLFSYSILHDLS-PKVWVASESW
hT1R3 GLVPLPRADD----SRLGKVDVLRQVNO--SSVQVVVLFASVHAHAHLFNYSISSRLS-PKVWVASZAW
CAG07037.1 GLIPVYTDPE-----PVVKTIISNINS--TKANVVIVFSLPNQAEIFFQEVIRTELK--GVWIGSTAW
CAG03196.1 ENLNMLTDFT-----QTFQQINL--QKINVIIVFAPKMFVEALINSAIKLNIS-DKVWIADZGW
CAG03199.1 HDLVSSDFLS-----IFQWIKS--QKIVVIVVMAPEWSAKPLVKSALQHNVT-DKVWIAGEAW
mGluR1 DKIIYSNAGEK-----SFDRLRLKRLRELPKARVVVCFCEGMTVRGLLSAMRRLGVVGEFSLIGSDGW

hT1R1 ALRHHITGVPGIQRIGMVLGVAIQKRAVPG-LKAFEEAYARADKKA----PRPCHK-----GSWCSS
rT1R1 AISTYITSVTGIQIGITVLGVAVQQRQVPG-LKEFEESYVRAVTA--PSACPE-----GSWCST
CAG03219.1 SQSLSIAGIPGIHTIGTIVGVAIKYTVIPGFVERLAEASLQRSNEE----NASTV-----TVNP
rT1R2 AIDPVLHNLTELRLHTGTFLGVTIQVSIIPG-FSQFRVRDKPGYPV---PNTTNL-----RTTCN-
hT1R2 AIDPVLHNLTELGHGTFGLGITIQSVPIPG-FSEFREWGPQAGPPP---LSRTSQ-----SYTCN-
rT1R3 LTRDLVMTLPNIARVGTVLGFLQRGALLPEFSHYVETRLALAADP----TFCASL---KAELDLEERVM
hT1R3 LTRDLVMTLPGMAQMGTVLGFQGAQLHEFPQYVKTHLALATDP----AFCSALG--EREQGLEEDVV
CAG07037.1 TIERVELLPNLHTVGTILGFAFTTQSLDLLRAYTHELTKVSEEH-AHTPPPVEN-----LNDY
CAG03196.1 SLKKNLPKKEGIRRTIGVIGVSPVVTIPAFDDFIFSSKSKQKQCE-----EREE
CAG03199.1 SLKRELPKKEGIRRTIGVIGVQLYLNLPRFQDFIYSVKKQNECES-----AE
mGluR1 ADRDEVIEGYEVEANGGIT-IKLQSPVEVSEFDDYFLKLRDLDTNTRNP-WFPEFWQHRFQCRLPGLLENP

hT1R1 NQLCRECQAFMAHTMPKLFKAFS-----MSSAYNAYRAVYAVAHGLHQLLG--CASGA--CS---RGRVY
rT1R1 NQLCRECHTFTRNMPGLGAFS-----MSAAYRVYEAAYAVAHGLHQLLG--CTSEI--CS---RGPVY
CAG03219.1 NNTCLQSRRELYSLAEMNPLPLDN---YDIASAVNVYKAVYAVAHALHQLLR--CGSVE--CQ---RKRKY
rT1R2 -QDCDACLNNTKSFNNILLSG-----ERVVYSVYSAVYAVAHALHRLLG--CNRGR--CT---KQKVY
hT1R2 -QECDNCLNATLSFNLTILRLSG-----ERVVYSVYSAVYAVAHALHSLLG--CDKST--CT---KRVVY
rT1R3 GPRCSQCDYIMLQNLSSGLMQLNSAGQLHHCIFATYAAVYSAVYAVAHALHNTLQ--CNVSH--CH--TSEPVO
hT1R3 GQRCPQCDCITLQNVSAGLN-----HHQTFSVYAAVYSAVYAVAHALHNTLQ--CNASG--CP--AQDPVK
CAG07037.1 SNSCPHCWNLSPANISLDAEVA-----IQRSARVYAAVYSAVYAVAHALHNTLQ--CNSTA--CMKTSVQIY
CAG03196.1 QPFCNQACKCGYLSAEEITSAD-----PTSFSPVYSAVYAVAHALHNTLQ--CGAGS--CNRS--VTVH
CAG03199.1 QQFCNRVCKCSNVSAEDTLAVD-----PSYAFSVYSAVYAAHALHNTLQ--CGTGT--CDSG--SVVS
mGluR1 NFKKVCCTGNESLEENYVQ-----DSKMGFVINAIYAMAHALHNTLQ--CGTGT--CDSG--SVVS

hT1R1 PWQLLEQIHKVHFL-LHKDTVAFNDNRDP-LSSYNIIAWDWNGPKWTFVTLGSSTWSPVQLNINETKIQW
rT1R1 PWQLLQQIYKVNFL-LHENTVAFDDNGDT-LGYDYDIIAWDWNGPEWTFEIIIGSASLSPVHLDINKTKIQW
CAG03219.1 PWELLSRLKQVQFP-MANASVYFDSNGDP-PTGYDIIISWVRGAKWSRVVGSFSPTPISLTVADAVEV
rT1R2 PWQLLREIWHVNFT-LLGNLFFDQQGDMLPMLLDIIQWQWDLSONPFQSIASYSPTSKRITY-INNVSW
hT1R2 PWQLLEEIWKVNFT-LLDHQIFFDQGDV-ALHLEIVQWQWDRSQNPFSVASYPLQRLKN-IQDISW
rT1R3 PWQLLENMYNMSFR-ARDLTLQFDAQGSV-DMEYDLKMWVWQSPPTVPLHTVGTFNGT---LQLQHSKMYW
hT1R3 PWQLLENMYNMTFH-VGGLPLRFDSGGNV-DMEYDLKMWVWQGSVPRLHDVGRFNGS---LRTERLKIRW
CAG07037.1 PWKLLKALRNTVD-INGTMLKFRDNGNP-NIGYSVVELILKNSLEFLEVGSFNKI---LDIKKSLFKW
CAG03196.1 PHMVLAELKRSNFT-LLNNTIRFNEYGDPKFGSYSIVFWDKGFPEEVGFFHYFPAT--KFYINGTKIQW
CAG03199.1 PPALLAELKRSNFT-LLNQTIFNEDGDPFGYSYAVHFWRNSGAAENFGICSFYPSIQ--IFINESKIQW
mGluR1 GRKLLDFLIKSSFVGVSAGEVWFDEKQDA-PGRYDIMNLQYTEAN-RYDYVHVGTWHEGVLNIDYKIQW

hT1R1 HGK--DNQVPKSVCSDDCLEGHQRVV-TGFHCCFECVPCGAGTFLNK--SDLYRCQPCGKBEWAPESQT
rT1R1 HGK--NNQVPVSVCTTDCLAGHHRVV-VGSHCCFECVPCAGTFLNM--SELHICQPCGTEWAPKESIT
CAG03219.1 HISGDSRSVPQISCPPEFGHKRL--TGQHECCFDCQACAEATFLNE--SDPTTCTCLPBEWAPKSSQR
rT1R2 YTP--NNTVPSMCSKSCQPGQMKKS-VGLHPCCFECIDCMPGTYLNRSADEFNCLSCPGSMWSYKNDIT
hT1R2 HTV--NNTIPMSMCSKRCQSGQKKP-VGLHVCCFECIDCLPGTFLNHTEDYEYECQACPNNEWSYQETS
rT1R3 PG---NQVPVQCSRQCKDQVRRV-KGFHSCCYDCVDCAGSYRKH-PDDFTCTPCGKDQWSPEKSTT
hT1R3 HTS--DNQKPVSRCSRQCEGQVRRV-KGFHSCCYDCVDCAGSYRQN-PDDIACTFCGQDEWSPERSTR
CAG07037.1 HTE--NSEVPESTCSAACGEGVHRV-KGFHSCCFDCIDCLPGTYQRE-KDDIQCTPCPPRQWSLKRSTR
CAG03196.1 FQN---GEVPTSLCSTECLEGYIKKL-NGIHKCCFTCEVCPMGTFVNSTADPYSCLPCKHQWSTAGSTS
CAG03199.1 HSK---EVPVQCSKECEEGNAKRQ-EGIHRCCFTCEICPNGTYVNIADPYSCLPCKHQWSTAGSTS

mGluR1 NK---SGMVRSVCSSEPC~~CKGQIKVIRKGEVSCCWICTACKENE~~FVQD---EFTCRACDLGW~~WPNAELTG~~

TM-I TM-II

ht1R1 CFPRTVVF~~LALREHTSWVLLAANTLLLLLL~~LGTAGLFAWHLDTPV~~VRSAGGRLCFLMLGSLAAGSGSLY~~G
rT1R1 CFPRTVEFLAWHEPISLVLLAANTLLLLLLVGTAGLFAWHFHTPV~~VRSAGGRLCFLMLGSLVAGS~~CSFY~~S~~
CAG03219.1 CLKRTRLLLEWDHPMSVALLFFLVCCLLMTSSSAVILLNINTPVAKSAGGRTCLLMLAALTAAMSSLC
rT1R2 CFQRRPTFLEWHEVPTIVVAIALAALGFSTLAILFIFWRHFQTPM~~VRSAGGPMCFLMLVPLLLAFGM~~VPV
ht1R2 CFKRQLVFLEWHEAPTIAVALLAALGFSTLAILVIFWRHFQTP~~IVRSAGGPMCFLMLTLLLVAYMV~~VPV
rT1R3 CLPRRPKFLAWGEPAVLSLLLLLCLVLGLTLAALGLFVHYWDSPLVQASGGSLFCFGLICLGLFCLSVLL
ht1R3 CFRRRSRFLAWGEPAVLLLLLLLLSLALGLVLAALGLFVHHRDSPLVQASGGPLACFVGLVCLGLSVLL
CAG07037.1 CTDPTYDLSWDTPEALLTLTAIVLVLLKGAVVVLF~~LKHRGTVLVAASGGTMSFVLLGMGACLS~~LLL
CAG03196.1 CLPRTVEWVPFTDPAAVVILAGACLLVALTAAMCVLFAVNYNTPV~~VRSAGGPMCFLILGCLSLCSIS~~VFF
CAG03199.1 CLPRTVEWVPFTDPAAVVILAGACLLVALTAAMCVLFAVNYNTPV~~VRSAGGPMCFLILGCLSLCSIS~~VFF
mGluR1 CEP~~IPVRYLEWSDIESIIAIAF~~SCLGILVTLFVTLIFVLYRDTPV~~VKSSSRELCYIILAGIFLGYV~~CPFT

TM-III TM-IV

ht1R1 FFGEPTRPACLLRQALFALGFTIFLSCLTVRSFQ~~LIIIFKFSTKVPTFYHAWVQNHGAGLFVMI~~SSAAQ~~L~~
rT1R1 FFGEPTVPACLLRQPLFSLGFAIFLSCLTIRSFQ~~LVIIIFKFSTKVPTFYRTWAQNHGAGLFVIV~~SS~~TVHL~~
CAG03219.1 HFGQPSPLACMLKQPLFTFSFTVCLACIAVRS~~LQVVCIFKFASRLPPAYDRWAKNHGPEATIFIASA~~IL
rT1R2 YVGPPTVFSFCFRQAFFTVCF~~SICLSCITVRSFQIVCVFKMARRLPSAYSFWMRYHGPYVFA~~FITAIK~~V~~
ht1R2 YVGPVKVSTCLCRQALFPLCFTICISCI~~AVRSFQIVCAFKMASRFPRAYSYWVRYQGPYV~~SMAFITV~~LKM~~
rT1R3 FPGRPRSASCLAQQPMAHLPLTGCLSTLFLQAAE~~IFVESELPLSWANWLCSYLRGPWAWLVLLATL~~VEA
ht1R3 FPGQPSPARCLAQQPLSHLPLTGCLSTLFLQAAE~~IFVESELPLSWADRLSGCLRGPWAWLVLLAM~~LVE
CAG07037.1 FLGQPGDTCRLQLPLVSI~~FQTVPLCIIMSISLQIFFVSEFP-TLAASYLHVL~~RGP~~TWLLLLICCAVQA~~
CAG03196.1 YFERPTEAF~~CILRFMPFLLFYAVCLACFAVRSFQIVIIIFKIAAKFPRVHSWMMKYHGQWLVI~~SMTFV~~LQA~~
CAG03199.1 YFERPTEAF~~CILRFMPFLLFYAVCLACFAVRSFQIVIIIFKIAAKFPRVHSWMMKYHGQWLVI~~SVA~~FVLQA~~
mGluR1 LIAKPTTSCYLQRLLVGLSSAMCYSALVTKTNRIARILAGS~~KKKICTRKRPFMSAWAQVIIASILISVQ~~

TM-V

ht1R1 LICLTWLVVWT-PLPA-REYQRFPHLVMLECTETNSL~~GFILAFLYNGLLSISAFACSYLGD~~KDLPENYNEA
rT1R1 LICLTWLVMT-PRPT-REYQRFPHLVILECTEVNSV~~GFLAFTHNILLSISTFVCSYLKELPENYNEA~~
CAG03219.1 CVSVLRVAVGP-PQPS-QDLDFYTD~~SIVLECSNTLSPGSFVELCYVSLLSAVCFVFSYMGKDL~~PANYNEA
rT1R2 ALVVG~~NMLATT-INPIGR~~TDPDDPNIMILSCHPNYRN~~GLEFN~~TSM~~DL~~LLSVLGF~~SFA~~YMGKELPTNYNEA
ht1R2 VIVVIGMLATG-LSPTTRTDPDDPKITIVSCNPNY~~RNSLLEFN~~TS~~LD~~LLSVVGF~~SFA~~YMGKELPTNYNEA
rT1R3 ALCAWYLMAFP-PEVV-TD~~WQVLPTEVLEHCRMRSWV~~SLGLVHITNAVLAFLCFLG~~TFLVQSOPGRY~~NRA
ht1R3 ALCTWYLVAFP-PEVV-TD~~WHMLPTEALVHCRTRS~~WV~~SFGLAHATNATLAF~~LCFLG~~TFLVRSOPGRY~~NRA
CAG07037.1 GICGWFVQEGPSLSEYLANRRIDFVRSFLACPV~~SLSGFLMQGLITVMALISFMC~~TFMATKPLHQYNLA
CAG03196.1 VVIVIGFSSDP--PLPYSN~~FLSYPDKIILGCDVN-LNMA~~ST~~SFF~~LL~~LL~~LCILCFTFSYMGKDL~~PKNYNEA~~
CAG03199.1 VLIVIAFSSDP--PLPYS~~DFLSYPDKIILGCDVN-LNMA~~ST~~SFF~~FA~~IVVHPLLYFLLHGERPPEELQ~~
mGluR1 LTLVVTLIIME-PPMPILSYPSI~~KEVYLICNTSN--LGVVAPVGYNGLLIMSCTYYAFKTRNVPANFNEA~~

TM-VI TM-VII

ht1R1 KCVTFSLLENFVSWIAFFTTASVYDGKYLPAANM~~MAGLSSLS~~SGFGGYFLPKCYVILCRP~~DLN~~STE~~HFQA~~
rT1R1 KCVTFSLLLNFVSWIAFFTMAS~~IYQGSYLP~~AVNVL~~AGLTTLSGGFSGYFLPKCYVILCRPELN~~NTE~~HFQA~~
CAG03219.1 KCVTFSLMVY~~MISWISFFTVYLI~~SRGPF~~TMAAYVCATL~~VSVLAFFGGYFLPKIYIIIVL~~KPHMNTTAHFQ~~
rT1R2 KFITLSMTFSFTSSISLCTFMSVHDGVLVTIM~~DLLVTVLNFLAIGLGYFGPKCYMILFYPER~~NTSAY~~FNS~~
ht1R2 KFITLSMTFYFTSSVSLCTFMSAYS~~GV~~LVTIVD~~LLVTVLNLLAISLGYFGPKCYMILFYPER~~NTPAY~~FNS~~
rT1R3 RGLTFAMLAYFIIWVSFV~~PLLANVQVAYQPAVQMGAILFCALGILATFHL~~PKCYVLLWLP~~ELNTQE~~FFLG
ht1R3 RGLTFAMLAYFITWVSFV~~PLLANVQVVLPAVQMGALLCVL~~GILAA~~FHLPRCYLLMRQPG~~LNTPE~~FFLG~~
CAG07037.1 RDITFSSLIYCI~~IWVTFIPIYV~~GLEEK~~FKSIVVVS~~FILTSN~~LGMVAMYYIPKCYLLLRKPELN~~TAD~~HF--~~
CAG03196.1 KAITFCLLLILTWII~~FATAFM~~LHYGKYIHTL~~NALAVLSSAYCFL~~LWYFLPKCYIIIFQ~~PHKNTQKYFQ~~
CAG03199.1 QSHNLLASADPHLDHIC~~HRDHALPRQLH~~PH~~QRPGRALQ~~RLLLS~~PVVFP~~QMLHYHLSAP~~QEHPEVLP~~
mGluR1 KYIAFTMYTTCIIWLA~~FVPIYFGSN--YKII~~TTCFAV~~SLSVTVALGCMFTPKMYIIIAKPER~~NVRS~~AFTT~~