>Adder\_Tas2r1

MSVSGVHNWLCLIITTAVTLVGMTGNGFIFLSDCQDWIRSKTSSGPGLLLMMLSLTRFIFLGLTLSLHCLSFLDINRPKFAGSVTIFFWAFFNATTLWITTCLGIFYCVKIVNFSQPFLVKAKLRISSMIPHLLVAVVLVSLISALPFLWIDDHSQSDNTEDVPEMRARMLLLSILYILGTFPSFVIFLISSGFLIYSLVQHVKRMQNSSVGFRDQRMDVHLKTTKILTSFFILYTATFVTEISMTFSPSPWTLVISNMVVSSYNSGHTVALIVMNSKLRGRLSKMFWCFRKQT

>American\_alligator\_Tas2r1

MTPLNVVTLIGLAIEFVVGIIANGLIVGFNCIAWIKSQKLDSCALVLISLGTSRFFLLYAILINNIFFAIPKKRIEQCNMWRAINFTWMYLSTLSLWFATWLAVFYCVKITSFNQPLFLWLKLRFSGLLPWLILGSLLVSLATSLPSVNVIHINYLNNSINNLSRNITVVCLYKTNTSLSSLILTVLGQYSPFVLFFVPSLLLVTSLLRHTKRMGENMSTSRDISAEAHIRAIKALLSFIFLYIFYMLAQFFTLTNKFATSSPYLIWLCIMILGGYPSGHSVILILSNPKLKEAALKGLHNARCLQEDESQ

>American\_alligator\_Tas2r2

MEDNRGNISEGNIWEPDMSVLITVLFETFLGISLNAFIIAVNCIDWVKKRRLSTSDQLLTILSFSRICLLLSEDAEFVSSTFNPSFYNSKSGFLMFAGLAWFLSTSSLFFAACLSVYYCVKIANFSCRFFITLKRKISQLMPWLLLVSVMISLLSNLPIFIAIYNVSDNSCNSSCSQNHTGDNVTQKKLFMEMIIVFSFGSSIGFTILCISAVLLLFSLWRHIRHMKGSSAGVGKPSMEAHVKAVKMVMWVLFINLIHFLVWLSFITLAFSPNIFVQHFLTQVTIFCPSIHALVLILSIPKLKQALARILHYVKCKGCAKEGIP

>American\_alligator\_Tas2r3

MEDNRGNISEGNIWEPDMSVLITVLFETFLGISLNAFIIAVNCIDWVKKRCLSTSDQLLTILSFSRISLLLSEDADFVSSTFNPSFYYSKSGYFKFTGVAWFLSTSSLFFAACLSVYYCVKIANFSYRFFITLKRKISQLMPWLLLVSVMISLLNSLPIFIAIYNISDNSCNSSCSQNHTGDNVTGDTILLNTIIVFCFGLSIGFTILCISAVLLIFSLWRHIRHMQGSSAGVGKPSMEAHVKAVKMVMWVLFINLIHFLAWLSFITFAISPNIFVQRFLIQVTIFCPSIHALVLILSIPKLKQALARILHYVKCKGCAKEGLP

>American\_alligator\_Tas2r4

MVDKSCAFLSAIELSPIILFYLSIVAIESVTGIVGNGFILVINLASWVRNRVVSSCDMILIFLSFSRLCLQSCMLMDFVCNLFYPSFYNQEDVYENFKAIFVFLNNSSLWFATWLGVFYCAKIANFNHSSFLWLKQNISSLVPWLLAGSLLFSFGSSLSFYWDIYKVYCNYSTAFPLENTTELKVIKNTNLFYVIFLCNASLSLPTIVFVSSIVLLISSLWRHTKRMQNNGTGLRDPSTEAHRGAIKSVFSFLILYFFNLIALILTLSNIFSAYGTWDILCMLVMSAYPMVHSVILILGNPKLRRVSLNFLHYASCHFRGGPK

>American\_alligator\_Tas2r5

MTVRRNMFSSVSIIAITIVLIEISVGLLGNGFIVAINWTDWIKSRKLSSCNTILTSLGISRLLLQGTAIVFRSYSFFTLDTHKLDNVRITLRVIRMFANMTSAWLASCLSVFYCAKIATFTHPLFLRAKQRISGMVPQLLLGSLLLALFTSIPTVWANHDVYLCNSKGSLLGNTTSAKVNSNVIYLYFSFLYTVMAFFPFLIFLASSMLLMVSLWRHSRCMQDYAPDLQDSRTRAHVSAIKSLISFLILYTFSFVGETLQTMPTCLTDNTWTPAVTSVVVAAYPSGHSIVLILLNPRLKTALVQILRHIKCQLRLS

>American\_alligator\_Tas2r6

MLPPLLILLFTILGIEIIAGFMGNGFIAALIGSDWIRNRKISSSDMILISLGISRFVLQGTIIVYIHSLYFPGMPKLATLYKAFCILWMFVNHASLWFSTWLSVFYCVKIINFTQLILLRMKLRISGMVPWFLLGSVLVSSITTLPMFWIFPSISSHNSTGNHVNNSVKTTALDTSSLSIASLYCAGCFFPLTISFFTSVLLIVSLWKHTKKMQHNTTSCQDPRTNVHANAIKALVSFLILYLSSFIAQIPLILLASQNSHIWEVAVSLVVVAAYPSGHSIILILINSKLKQASVRLFNYTMYPLTKGTP

>American\_alligator\_Tas2r7

MSSLSVIIFIILYGVQFFVGIITNIFIVTVNVIDWTKDIKLSSNDQILVYLGLSNLFVQCTATAADFCFFFWTDLLYSGFSSQTFFFFVFFGSICASCFTGYLCTCYYVKITDSTYPLYLRMKMAFIKNLPWLLPWIIATSFGLSLAAVWDASKKVSLDMTANFSTNYTKPLLLFHYSTAFRIILLLLECIWPLIVTSFLVLKLIKTLCKHIRNMERTMAFGQPNLDAHKHATRTLTSLLILFISYNLLWSILVYDIFSYPSTGFLICITLFATLTSVQAITLILCNRRMKQKALRILQSIRQFSGG

>American\_alligator\_Tas2r8

MEGNRSNITEEDVARPSISLVIILLFTAFVGISVNTFIVAVNCTDWVRRKRLSTIDQILTILGFTRFSLSCIAVVDSFRQPFHSWPYGFIDKTFSILNWFLNVLNLWFGVCLGIFYCVKIANFSHHFCISLKLKISRLMPWLLMASVLLAIFNTFPAVTFIFKTQFKKSNSSIPENNKGEDIPQIIYFLHLFSLFVVGFPLCFTILCISTFLLLLSLWRHTRQLNSSSNNNPSMHAHILAVKIIMSFFIIHVIHFSAWLIVLAASIPNRKLQRLFLFQIANSCPLTHSVLLILSYPKLKQALTRILHYMGCAKGVS

>American\_alligator\_Tas2r9

MEGNRGNISKGNTWELDLSLLIAVLFETFLGISLNAFIIAVNCIDWVKKRCLSTSDQLLTILSFSRICLLLSEDADFVSSTFNPSFYHTKSTRLMLAGVAWFLSTSTLFFAACLSVYYCVKIANFSCRFFITLKRKISQLMPWLLLVSVMISLLNSLPIFIAIYNVSDNSCNSSCSQNHTGDNVTEDRILLDIIFGYSYGISIGFTILCISAVLLLFSLWRHIRHMQGSSAGAGKPSMEAHKKAVKIVMWVLFLNVIHFLVWLSFITFAVSPNIFVKHFLIQVTIFCPSIHALVLILSIPKLKQALARILHYVKCKGCVKKGIP

>Green\_Anole\_Tas2r1

MAAYPMYPFAIFSWSIIGILWIVSLSGNGFIFTVTVLQWLQKRKMPPCDFLLSCLSASRLLTQFNYMASYFLPFFYSPSIRKMFFFSRVFLHMASLWCVSWLSIFYCVKVINFSSSLLLWLKLRINLLVPKLLGISMVIFMVFSLPSIFTFHKFNKPCNQTITPPTSHEPEDSMWIRFFPVQITFTCINFSMNIAATLLLLISLWRHVRNLRKSGTSVQDLNTQVHLKVMRLLFITLLLYLLFIACSITMTTGFFHVQENQALISEIMISIFPSVHPIILIWTNPKLKDVAAHMLNIRERP

>Green\_Anole\_Tas2r2

MDNNLISPLGIFTWTIIEGISMVAILGNGFIIVVSGNRWLQTRKMVPSDFLLTSLSISRVFWHVTFGLSYVLEVSIGDIFMYSSAQEAIDFISTFSSMASLWCASWLSVFYCVKVTNFANRFLLWLKPRINVLSVRLLGMSISSLVFMSVPFFQHYAEAKKRCNLTGSLPLNTSQRNDCKFLLLIFRHFQVIVATMNFVISITATILLLTSLWKHTRNLKKSGIDAKDLSAQIHINVMKPLVLYIFLYLSYFAGILNFASHSVHNVDAVELLSDVLRTIFPAAHTITLVLSNPKLKALLVRTLNIRQKVNLVSKDEKTNQISKC

>Green\_Anole\_Tas2r3

MAANLVSPFAIISWSIIGILCIVSLSGNGFIFIVTVLQWLQKRKMPPCDFLLTCLSASRLLTQLNAMAIYFMELFYPSSRSAMLFFSWVLLNMASLWCVSWLSIFYCVKVINFSNSLLLWLKLRINLLLPKLLGISVVIFMVSSLPSIFTFHKCNEPCNQTVTPLINEKPGNMWISFFPVEITFTCINFSMNIAATLLLLISLWRHVRNLRKNGTSVRDLNTQVHLKVMRPLLITLLLYLLFIASLITMATGFLNLQTKQALIGEIMVTIFPSVHAIILIWTNPKLREVAAHMLNIRQSA

>Green\_Anole\_Tas2r4

MVSIPTSPVDILRWTILGIVSLFTLLGNGFIIVVLGYQGLQKKNILPHDILLIGLSASRIMLQLLSSANYILCFISETYRDTYKQDVVLLSWNVFNMTNLWSSTWLSVLYCVKVTNFANCLFLWLKPRINMLVLRLLGMSIVISIIFSVPSVIKYLQQKKWDNLTRNLSVSAIQCMDYKNRFIIFLDMQLFYVSITFCISLIASTLLLVSLWKHIRNLKKSGLGGKDLSTQVHINVITLLLSYIFFYLLYFTGFIILGTNVFNYESLERLIFKFLAISFPCVHCIMLILTNPKLKEMAGHILNITRRAS

>Green\_Anole\_Tas2r5

MAANLVSPFAIISWSIIGILCIVSLSGNGFIFTVTVLQWLQKRKMPPCDFLLTCLSASRLLTQLNAMAIYFMQLFYPSARSAMLFFSWVFLNMASLWYVSWLSIFYCVKVINFSNSLLLWLKLRINLLLPKLLGISVVIFMVSSLPSIFTFHKCNEPCNQTVTPLINEKADNMWISYFPVEITFTCINYSVNIAATLLLLISLWRHVRNLRKNDTSVQDLNTQVHLKVIRPLLITLLLYLLYIASLILMDTGFFYFQANRSLIGEIMVTIFPSVHAIILIWTNPKLREVAAHMLNIRQRA

>Green\_Anole\_Tas2r6

MFSLQITAFLVVAADLTLGGLISNGFIATVIIRKWIKCRSLASSEQLLLVLGISNVFAIILQTASVIGENVFICSDQLILPIIFFFVFFVTFFRFWLTAWLSLFYCIKIVNSTHVLLVWCKMRISWLIHRLLLGSLLISLFISFFAFHEFLFEFQSNRTASVANRTQEQTLRKTVDYFKVLFLAIGTSCPLLVVLFCSILSIVSLCRHIHRMTREKSSFRSIQAEAHLKAAQTMLSLLFFYVLFYVGETLSMTIHFENGKQISAIFVVLLYSHAQAAILVLVNSKLKRTATQILLRISQELCRHTVCSQI

>Green\_Anole\_Tas2r7

MRRQITQRYMISDIFFFYKMTTMVNNSISPFDILKWTILGIISVFTLLGNGFIIVVLGYQGLQKRNILPHDILLIGLSASRLMSQMLSSTSYLLYFENDMGIFNQDVVLICWNFFNMTSMWSATWLSVLYCVKVTNFANCLFLWLKPRINMLVLRLLAMSVVISSIFFVPSVLEYFQQKKWDNLTRNSPVSANQSEGYNNGFIILLDMQLFYVSITFCISVIASTLLLVSLWKHIRNLKKSGLGGKDLSTQVHMNVITLLLSYIIFYILHFTGFIILISDVSRFRSVATLVTSILITSFPCVHSIMLILTNPKLKVMAGHILGIMRRAS

>Green\_Anole\_Tas2r8

MRILFFRHHNVIPLRHFSQKVTAMALIMSPLGVLAWATFGILNVMALLGNGFIIVVNGHQWLQSKKMIPYKFLLTTLSTSRFLLQMDSVVGHFMYLIFAEIQKETHLYASRAEVVNFIWMFLNMVSLWNASWLSMLYCVKVTNFANRLFIWLKARVNMLVPRLLGISIIVSTVFFFPSAAKYYRKKKWCNLTDAVPRNSSQREGCNDAFDVFHFPQLFLASVNFGLTLTASCLLLTSLWKHTNNLEKSGAAFKDLSTQLHFKVMMPLLVSLLFYVLYFPCFVLAVGDIFEFGRLERWASEIVLPLYAFVQSIILILTNPELKKVAASILIIRQRAS

>Green\_Anole\_Tas2r9

MDNNLISPLGIFRWTMVGSISMVSILGNGFIIIVSGNRWLQNRKMAASDLLLTSLSISRIFLHVTFGLYYVLEVSIGDTYMCTFAYDAVIFACMFSSMASLWCASWLSVFYCVKVTNFANCFLLWLKPRINVLSIRLLGMSVISLMVIFVPFFWSYTEDKKRRNLTGSLPVNISQRMDCKALFFIFYPFQLSVLSMNFIITITANVLLITSLWKHTQNLKKSGIVAKDLSTQIHITIMKPLLCYILLYLLFFTGMLIFLGSFAYTFNGKGFLSDIIFTTFPSAHTIILILTNPKLKALLICHLNIRSKA

>Green\_Anole\_Tas2r10

MSPPFGIFSWSILGILWIVSLSGNGFIFTVTVRQWLKKRKMPPSEFLLTCLSASRLLTLLTTMVSYLPLFYSSGRSAMLLIPWVFLNMASLWCVSWLSIFYCVKVINFSNSLLLWLKLRLNLLLPKLLGISMVISMVSFLPFIFIFHQCNKPCNQTVTPPINHEDEADDSMWIRFIPLQITFTSINFSVNIAATLLLLISLWRHVRNLRKNGTSVQDLNTQVHLKVMRPLLITLLLYLLYIASLILMHTGFFYLQANLSLIGEIMITIFPSVHAIILIWTNPKLRGVAAHMLNIRQRA

>Green\_Anole\_Tas2r11

MDCSSISPLHILMWSIAITGNIVALLGNGFITVVQGHQWLQKRKILPCDFILINLSASRFMMLLSNSVNYILYSISSESYLRSYKKAYLMITWTFMNMASLWSATWLSIFYCVKVANFTNCLFLWLKTRINMLVPRLLGMSIVISSIFSVPSVIEYFGQIRGGNLTIILPLNVSQNERYAKGLFPLYLTYTSINVCISIIASSLLLASLWKHTRNLKKSGLSGKDLSTQVHKNVIIVVFSYVFFYLTFFTALIIEVTNVFKPRSPESLIVEILATSFPSTHCIVLILTNPKLKEMAARILNIG

>Green\_Anole\_Tas2r12

MSPFAIISLSILGILWIVALSGNGFIFTVTVLQWLQKRKMPPCEFLLTCLSASRLLTEFNSMAIYLSRLFYSSSKRAMLLIPWVFLNIATLWCVSWLSIFYCVKIINFSNSLLLWLKLRINLLLPKLLGISMVIFMVSSLPSIFTFFNYKEPCNQTVTPLSNQEADLSMWISFAPLQLTFTCINFIMNIAATLLLLISLWRHVRNLRKSGTSVQDLNTKVHLKVMRPLLITLLFYLLFIANLIVMIIDFFDLQTNLSLIGEIMVSVFPSAHPIILIWTNPKLKEVAAHTAQHQTKSLKKGDGGNRYPPPSSNRDCFYQCAR

>Green\_Anole\_Tas2r13

MFSLATIAFAVAAVVFALSGFLSNGFIAAVILREWTKSRSLASNEQLLLSLAASNFWATALLSPFYINATLRDYSISEIFLLPGLYLLATFVIMSRFWFTAWLCFFYCIKIVNSTHFLFLWCKLRILWLIPRFLAGSLFCSFLFSLFVLQITSRQAKSNITVNITNTTEVKSLKHTVNTFEAFFLAVGSGCPLLVVLLCSILVVASLCRHVCRIAGKDSHGRNLQTEAHIKAAWTVLSLLLLYVSYYAAQTLSIVVTLGKDDGTLVAMVRMVYPSAQASILMLVNPKLKQAAMQMLQRAKV

>Green\_Anole\_Tas2r14

MASNSPSPLDILIWTIIVIEYIVSFLGNGFIMVVHGHQWLQKRKMLPYGFLLISLSTSRYMMHLQSSLNYILHIAFSEPCIGFSITKIGDVNWIFFNMISVWADTWLSVLYCVKVTNFANCLFLWLKPRINNLIPRLFGMSIVISSIFSVPSVIYFLGQKSGGNLTVILPLNVSQNDPCSKHLLHLQLIYTSITFCTSVIASTLLLASLWKHTRNLKKSSLGGKDLRTQVHMNVIILLLSYVFFYLVFFTGLILFKTDVINMTILEILGTSFPSAHSIILILTNPKLKAVAVRILNISQRAS

>Green\_Anole\_Tas2r15

MANNMSMVEIMLLIIFEFVSIIGILGNGFIIVVNGYQWFQNRKMIPCDFLLTSLSTSRFIMQLDFFIYYILYLTLKINFKLFLDDFLFFSWMFFNMISNWCATWLSVFYCVKVANFANPLFLWLKARINMLLPRLLGLSIAVFMVSYLPSLVDYFGHTKWCNVTETLPENASQIEVCFMAPITFLPIQLSFYVINLCLSTIASILLLVSLWRHTRNLKKSDFGVKDLSTQVHIKVMAFLLFWIFFYFVDFIALIVYAGLNIGTDFGLVQELLVAIWMSAFPSAHSIILILTNPKLKEMCICIIKEMYAHIINIRHSTF

>Green\_Anole\_Tas2r16

MTPITSPVGVLTWATFGILNIMALLGNGFIIVVNGHQWLQSKKMIPCKFLLASLSTSRFLLQMDSVVGYFLYLIFVEIQKETQLYVSRAEVANFIWVFLNMVSFWCASWLAMFYCVKVTNFANRLIIWLKTRINMLIPRLLGLSIIVSTVFFFPSVANYYRRKKWFNSSDVFPFTGFLLPQLFLSSLNFSLTLTASCLLLTSLWKHMSNLKKSGVAFQDLSTQLHFKVLMPLLVSLLFYVLYFPCFVLAVGEIFEFGRIERLAFDIMLSLYAFVHSVVLMLTNPELKKVAASILNIRQRAP

>Green\_Anole\_Tas2r17

MTSDNIVKVDFPVWIIFGTLSLIGILGNGFIMAVNGLQWLQNRKIILCDFLLTSASTYRFIMQLTLLLYNIFYYIPENIHCIYRIDLLFFSWMFSNMISYWCATWLSVFYCVKVANFANPLFLWLKTRINMLVPRLLGLSIAVFTVSCLPSIVDYFGQTKWDNLTEILQENTSQRNICDIPHMTFLPIQLSFYVINLCLSTIAIILLLASLCKHIRNLKKSGVGIKDLSTQVHIKVMTFLLLWLFLYFLDFIGMIIYTNNTVKTIKLEGVLIDILMSAFSSAHPIILILTNPKLKEMSACIIKKMYARVINIRCSTL

>Green\_Anole\_Tas2r18

MSSPQIILFILGLVDLALGGLISNGFILTVILREWNKSRSLASIEQLILSLVLSNLGATLLVLPMFINDYIFPIFTTNITYLIMYPLSDYLILFRHWFTAWLCFFYCFKIVKSTHSLFLWFKLKTSWLVPQLIAGSLVVSLFIALPMFFLVLTDFLSNMTMNNTKISTEMLRNRTVKAPEIFFLIAGSGSPLLVILVCSILVVASLCKHVYRMKCKQHHSGSIQTKAHVKAAGTVFSILFLYLSFYMVQTLSMTVTVGKMEGTFLTVVVIAYPSAQAYILLLVNPKLNQAVNQMLPRRVT

>Green\_Anole\_Tas2r19

MSPFAIISWSILGILCIVSLSGNGFIFTVTVLQWLQKRKMPPCEFLLTCLSASRLLTELDCMAIYFMHLFSFSGSRRILYFFWIFFDMASLWCTSWLSIFYCVKVVNFSNSLLLWLKLRINLLLPRLLGISMTIFMVSSIHSIFRFFKYKEPCNQTVTPLTNEDTDISMWISFIPVQITFTCINFSMNIAATLLLLISLRRHVRNLRGNGTSVQDLNTQVHLKVMRPLFITLLLYLLFIVSLIIMISNFSLFQTNLSLSTEITMSIFPSAHSIILIWTNPKLREVAVHMLNIRQRA

>Green\_Anole\_Tas2r20

MDYSSISPLHILIWSIAITGNIVALLGNGFITVVQGHQWLLKRKILPCDFLLINLSASRFIMLLLNSVNYIMYFICSESSLISYKKAYTLITWTFMNMASLWSATWLSVFYCVKVANFTNCFFLCLKPRINMLVPRLLGMSIVISSIFSVPSVIEYLGQIRGGNLTVILSLNVSQNESYIKPLFHLQLTYTSINVCISIIASSLLLASLWKHTRNLKKSGLGSKDLSTQVHKNVIIVVFSFVFFYLAYFTASIIAASDVFKPHRPEFLIVDVLATSFPSTHCIVLILTNPKLKEMAARILNIR

>Green\_Anole\_Tas2r21

MSPPFGIFSWSILGILWIVSLSGNGFIFTVTVRQWLKKRKMPPSEFLLTCLSASRLLTLLTTMVSYLPLFYSSGRSAMLLIPWVFLNMASLWCVSWLSIFYCVKVINFSNSLLLWLKLRLNLLLPKLLGISMVISMVSFLPFIFIFHQCNKPCNQTVTPPINHEDEADDSMWIRFIPLQITFTSINFSVNIAATLLLLISLWRHVRNLRKNGTSVQDLNTQVHLKVMRPLLITLLLYLLYIASLILMHTGFFYLQANLSLIGEIMITIFPSVHAIILIWTNPKLRGVAAHMLNIRQRA

>Green\_Anole\_Tas2r22

MSPFGIFSWSILGILWIVSLSGNGFIFTVTVRQWLKKRKMPPCEFLLICLNASRLPTLLNTMAIYFMHLFYSSGRRMMLLIPWVFLNIASLWCVSWLSIFYCVKVINFSNSLLLWLKLRLNLLLPKLVGISMVISMVSSLSSIFTFHQCNEPCNQTVTPPTKHEAENCMWISFFPLKITFAFINFSVNIAATLLLLISLWRHVRNLRKKGTSVQDLNTQIYLKVMRPLLITLLLYLLYIASLITMSGFLNLQRKQALTAEIMITIFPAMHPRIIIWTNPKLKNVAAHMLNIKQRP

>Green\_Anole\_Tas2r23

MVSNSTSPLDILIWIIVGIVTMFSFLGNGFITIVQGHQWLQNRKILPCDFLLTSLSTSRFLMQLLSSVNYFLYFISLESYMNPIKQAIVYVIWLFFNMVSLWSATWLSVFYCVKITNFANCLFLWLKPRINALVLRLLGISIVISSISSLPSIIEYIGQKKGGNLTGSANHSEAYNHRNMLPLHVTFAFINFTINITATIVLLTSLWKHTRNLKKSGVGGKDFNTKVHFNIIIPLLFYVVFYFVHISSQIIVSNEITIVGSVKQRITDIMVSTFPTVHSIILILTHPKLRETVVRILNIKRRI

>Green\_Anole\_Tas2r24

MSPLDSIVFLVTAVVLTISGLISNGFIVTTITIKWIKFRSLASSELLFLTLSLSNFGAGVFLLPFYIDDSTIFSFKQNMALKILFPVAVFAVFSRFWLTAWLCVFYCIKIVNSTHFLFLWCKLRISWLVTHLITGSLVISFFASLGALEKDSIHLQSNVTTMFPTLSQGKSLKASDFRFQLFFLIFGSCSPLLIVFLCSTLVVASLSRHVCRMTDNNNFQRRAHFKATGTVLSLLLVYLSFFMAQILSMAANVTCTGRQFISSVMIAYAPVQAAILVLSNPKLKQALTVMVQRAKP

>Green\_Anole\_Tas2r25

MDNNLISPLGIFRWTMVGSISMVSILGNGFIIVVSGNRWLQNRKMAASDLLLTSLSISRVCLHVTFGLFYVLKVSIGDAYMGTSAYDAIIFACMFSTLASLWCASWLSVFYCVKVTNFANRFLLWLKPRINVLSIRLLGMSVISLVVISVPFFWSYAEEKKRCNLTGSLPVNISKRCQASLFIFHPLHLSVASMNFIITITANVLLIISLWKHTQNLKKSGILAKDLSTQIHITIMKPLVCYILLCLLFFTGMLFLSGSFVYTFDAKNFLSDIIFTTFPSAHTIILILTNPKLKALLIRTLNIR

>Green\_Anole\_Tas2r26

MDNNLISPLGIFTWTIIEGISMVAILGNGFIIVVSGNRWLQARKMVPSDFLLTSLSISRVFLHVTFGLIYVLEVSIGETFMYTFAWETISFVWVFSNMASFWCASWLSVFYCVKVTNFANRFLLWFKPRINVLSVRLLGMSISSLVFMSIPFFQSYAEEKKQCNLTKNLQVNVSKIEVCRALFLIFRRFQLIVVLMNFIISMIATILLLTSLWKHIRNLKKSEIGAKDLSAQVHINVMKPLVFYIFLYLSYFAGVLNFASHSVHNVDAMERLSDILLTIFPATHTIILLLSNPKLKALLVRTLNTRQKVDQEKGHQTCISCLQG

>Green\_Anole\_Tas2r27

MFSPGYIAFLVTAAVLNISGFISNGFIVTVMITAWTKSRRLASSEQLLLSLGLSNLWVTIVLIVFCFGFATLTNFNDQIFLFSFFSFAVVVRYWLTVLLCFFYCIKIVNSTHTFFLWCKLRISWLIPRLLVGSIIITLLAFVMILSFMYILPPPANVTTVIHAMSHSESIKSLIVFFLTVGSGCPFLLVLLCSILVVASLCGHVCQMTGKESHLRSFQTKAHVQAARTVLSLLLLFLSFFVAQTLSMTVDIGYNERLFIFTVMTIYSPAQAAILVLNNPKLKQALAVMVQRTVLICEEKN

>Green\_Anole\_Tas2r28

MSSPQLISFILALVDLALGGFISNGFILTVILRVWNKSRSLDSSEQLLLSLVLTNLWATVLVILTCINDYIIPMFPKSLMYSLNDFIIICRHWFTACLCVFYYIKIVNSTHSLFLWCKLRISWLVPRLIAGSLVVSLFLVLFMSFFTLINIQRNTTLIGTQMNEEISQHHNTGIHEILFLIVGSGSPLLVILVCCILVVASLCKHVYRMKSKEHNSRSIQTKAHIKATGVVLCILLLYLLFYVAQTFSLIVIKGKIEIILVTTTVYVYSCAQAYVLLLVNPNLNQAAIQVLPRRET

>Green\_Anole\_Tas2r29

MVNNMSTVKIFFLIIFEIVSFIGILGNGFIIVVNGHKWFQSRKMIPSDFLLTSLSTSRFIMQLSLLINYVLLFSLKNNFRFAVEDVMFFSWMFSNMISHWCATGLCVFYCVKVANFANPLFLWLKARINMHLPRLLGLSIAIFMVSCLPFLFEYFGHRKWCNLTEILPENASQSEFGDTPAIVFLPMQFSFYVINLCLSTIASILLLVSLWRHTRNLKKSGVGVKDLSTQVHIKVMAFLLFWIFFYFADLIALIIYADLINSIGTVQGLLLGISMSAFPSAHSIILILTNLKLKEMFDYIIKNICSYHRHQEQNMEKGHSLQDRKRHSLPI

>Green\_Anole\_Tas2r30

MDCSSISPLHILMWSITVIENIVALLGNGFITVVQSHQWLQKRKILPCDFILINLSASRFMMMLLTSVHYILYSISSESYLRSYEKAYLMITWTFMNMASLWSATWLSIFYCVKVANFTNCLFLWLKTRINMLVPRLLGMSIVISSIFSVPSVIEYLGQIRGGNLTIILPLNVSQNEHYTKRLLPLHLTYTSINVCISIIASSLLLASLWKHTRNLKKSGLGGKDLSTQVHKNVIIVVVSYVFFYLAFSTSLIIEVTNVFKPQSPETLIVEILSTSFPSTHCIVLILTNPKLKEMAARILNIG

>Green\_Anole\_Tas2r31

MDNNLISPLGIFTWTIIEGISMVAILGNGFIIVVSGNRWLQARKMVPSDFLLTSLSISRVFLHVTFGLIYVLEVSIGETFMYTFAWETISFVWVFSNMASFWCASWLSVFYCVKVTNFANRFLLWFKPRINVLSVRLLGMSISSLVFMSIPFFQSYAEEKKQCNLTKNLQVNVSKIEVCRALFLIFRRFQLIVVLMNFIISMIATILLLTSLWKHIRNLKKSEIGAKDLSAQVHINVMKPLVFYIFLYLSYFAGVLNFASHSVHNVDAMERLSDILLTIFPATHTIILLLSNPKLKALLVRTLNTRQKVDQEKGHQTCISCLQGKDNQISKC

>Green\_Anole\_Tas2r32

MTTMVSNSTSLLDILKSTYLGIVSVFTLLENGFIIVVLGYQGLQKRNILPHDILLIGLSASRLMSQMLSSTSYLLYFKKDMGIFKQDVVFISWNFFNMTSMWSATWLSVLYCVKVTNIANCLFLWLKPRINMLVLRLLAMSVVISSIFFVPSVLEYFQQKKWDNLTRNSPVSANQSEGYNNEFINLDVQLFYVSITFCISIIASTLLLVSLCKQIRNLKKSGLGGKDLNTQVHRDVITLLLSYIFFYIVHFTGFIILKNDVSRHRSLEMLVIQILTISFPCVHSIMLILTNPKVKEMAGHILNITQRAS

>Green\_Anole\_Tas2r33

MDNNLISPLGIFRWTMVGSISMVSILGNGFIIVVSGNRWLQNRKMAASDLLLTSLSISRVCLHVTFGLYYVLEVSIGDTYMYTSAYEAVSFACTFSSMTSLWSASWLSVFYCVKVTNFANRFLLWLKPRINVLSIRLLGMSVISLVVIPVPFLWRYAEEKKQCNLTGSLPVNITQRMVCKDLFFIFYPFQLSVLSINFIITITANVLLITSLWKHTQNLKKSGIVAKDLSTQIHITIMKPLVCYILLYLLFFTGMLIFSSRFAYTFNGKSFLFDIHLTTFPSAHTIILILTNPKLKALLIRTLNIRSKA

>Green\_Anole\_Tas2r34

MLSPQFIFFILAVIDLMLGGLISNCFIITVILREWTTSRSLASTEQFFLSLSLTNLGATVVLIPSYINAYIFPIFTRNFIMLIVYPLDDFLVLSRHWFTAWLIVFYCIKIVNSTHSLFLWCKLKISWLVPWLIAGSLVVSLFFALFKLYIILMKIQSNTTMIDIETNEEMSGYHTIGVHEILVLIVGSGSSLLIVLVCSILILASLCKHVYRLKCKEHHSRSIQTKAHVKASGTILFSLFLYISFYVVQTLVMTANVGKIEGTFLTIVVIAYPSAQACILLLVNRKFNQAATQILPRCDT

>Green\_Anole\_Tas2r35

MDNNLISPLGIFTWTIIEGISMVAILGNGFIIVVSGNRWLQTRKMVPSDFLLTSLSISRVFWHVTFGLSYVLEVSIGDIFMYSSAQEAIDFISTFSSMASLWCASWLSVFYCVKVTNFANRFLLWLKPRINVLSVRLLGMSISSLVFMSVPFFQHYAEAKKRCNLTGSLPLNTSQRNDCKFLLLIFRHFQVIVATMNFVISITATILLLTSLWKHTRNLKKSGIDAKDLSAQIHINVMKPLVLYIFLYLSYFAGILNFASHSVHNVDAVELLSDVLRTIFPAAHTITLVLSNPKLKALLVRTLNIRQKVNLVSKDEKTNQISKC

>Green\_Anole\_Tas2r36

MSSFQFILLILALVDLALGGLISNGFLLTVILREWNKSRSLDSSEQLLLSLVLTNLWASVILIPVYINDYIIPIYPRNFGKQIMYPLGDFLVISRHWFTAWLCVFYCIKLVNSTHSFFLWCKLRISWLVPRFIAGSLVVSLFFGFLMAFLNYRNIQSNTTMTDIKRKEDTFRYRSIDVPQILFLIVGSGPPLLMISGCSILVVVSLCRHMYRMKCKEHFSKNLQIKAHIKAAGIILSILFLYLIFYVVQTFSLLLTMKKMEGIFVTVLIIVYPCAQAYILLLGNPKLNQAAAQVFPRRET

>Saltwater\_Crocodile\_Tas2r1

MEGNRSNIIEEDITEPSISLLIILLFTVFAGFSVNTFIVAVNCTDWVKRKRLSTTDKILTILGFTRFSLSCIAVVASFHQLFHSWTYGFIEKTCSILNWFLNVLNLWFGVCLGIFYCVKIVNFSHRFCISLKLKISRLMPWLLLASVLLTICNTYPAVMFISKIQYKKSNSSIPENNKGEDIPQTLNLLQLFFLFGIGFPLCFTILCISTFFLLLSLWRHTWKLNSSSNNYPSMHAHILAVKIIMSFFIIHVIHISAWFMVMAARIPNRNLQRLFLFQIANGCPLIHSVLLILSNPKLKQALTRILHYMGCAKEGVS

>Saltwater\_Crocodile\_Tas2r2

MFSSVSIIAITIVLTEISIGVLANGFIVAINWTDWNKSRKLSSCNTILTSLGMSRLLLQGTAIGFRSYSFFTPDTHRLDNVRITLRVIRMFANMTSTWLASCLSVFYCAKIATFTHPLFLRVKQRISGMVPQLLLGSLLLALFTSIPTVWANHDVYLCNSKGNLLGNTTSAKVNSNVIYLYFSFLYTVMAFFPFLIFLASSMLLMVSLWRHSRCMQHYAPDLQDSRTQAHVSAIKALISFLILYTFSFVAETLQTMPTCLTDNTWTPAVTSVVVAAYPSGHSIVLILLNPRLKTALMQILHHIKCQKRQSFLNSATSC

>Saltwater\_Crocodile\_Tas2r3

MLPPLLILLFTILGIEIIAGFMGNGFIAVLICSDWIRNRKISSSDMILISLGISRFVLQGTITVYIHSLYFPGMPKLATLYKAFYILWMFVNHASLWFSTWLSVFYCVKIINFTQLILLRMKLRISGMVPWFLLGSVLVSSITTLPMFWIFPSISSPNSTGNHVNNSVKSTALDTSSLSIAPLYCAGCFFPLIISFFTSSLLIASLWKHTKKMQHNTTSCQDPRTSVHINAIKALVSFLILYLSSFIAQIPLILSASQNTPTWEVAVSLVVVAAYPSGHSIIVILMHSKLKQASVRFFTCTMYHLTKGTPKSH

>Saltwater\_Crocodile\_Tas2r4

MTPLSVVTLLGLVIEFVVGIVANGLIVGLNCIAWIKSKKLDSCALVLISLGTSRFFLLFTLLINNIFFVIPKKSNEQCNTWRAFFFIWMYLSTLSLWFATWLAVFYCVKITSFNQHLFLWLKSRLSGLLPWLILGSLLVSLATSLPAVNAIHIDYLNNSINNLSRNITVACIYETNTSLSFLILTMFGHYSPFVLFFVPSLLLVTSLLRHTKRMGENMSTSRDISAEAHIRAIKALLSFIVLYIFYMVAQLITLTMKFAASSSYLLWFCIMILAGYPSVHSVILILSNPKLKEAALKGLHNARRLQEDESQ

>Saltwater\_Crocodile\_Tas2r5

MVGNGFILAINLASWVRNRLVSSCDMILIFLSFSRLCLQSCMLMDFVCNLFYPSFYNQDDVFESFKAIFMFLNNSSLWFATWLGVFYCAKIANFSHSSFLWLKQNISSLVPWLLAGSLLFSFGSSLPFYWDIYKVYCNYSTAFPLANTTELKVIKDTNLFYVILLCNASLCLPTIVFVSSIVLLISSLWRHTKQMQNNGTGLRDPSTEAHRGAIKSVFSFLILYFFNLIALILTLSNIFSAYGTWEILCMIVMSAYPMVHSVILILGNPKLRRVSLKFLHYVSCHFRRGPK

>Burmese\_Python\_Tas2r1

MSVSALCNLLCLIIIIAVTLVGMLGNGFIVISDCCGWIRSKTQSPPDLLLMALSLTRLLFLGITLSLHCLSFLDINNPKYAGKAIVFFWAFFNAITLWITTCLGVFYCVKIINFTQPFLVKIKLRISRMVPHLLVAVMLVSLISALPVIWIGDCNCSYNTTQVLPNGGHKVFPRMTSQTFLLSLLYIIGTFPSFVIFLISSVFLIYSLVHHVKRMQQNPLGFRDQKMNVHLRATKILTSFLILYAATFVSEISMTFFPSPWTSVISIIVVTSYNSGHTIALIVMNSKLREGLSKMFHCLRKQT

>Chinese\_alligator\_Tas2r1

MTPLNVVTLIGLVIEFVVGIIANGLIVGFNCIAWIRSQKLDSCALVLISLGTSRFFLLHAILINNIFFAIPKKRIEQCNMWRAINFTWMYLSILSLWFATWLAVFYCVKITSFNQPLFLWLKLRFSGLLPWLILGSLLVSLATSLPSVNVIHINYLNNSIDNLSRNITVVCLYKTNTSLSYLILTMLGQYSPFVLFFVPSLLLVTSLLRHTKRMGENMSTSRDISAEAHIRAIKALLSFIFLYIFYMLAQFFTLTNKFATSSPYLIWLCIMILAGYPSGHSVILILSNPKLKEAALKGLHNARCLQEDESQ

>Chinese\_alligator\_Tas2r2

MQYRPKGSASTNPIPAEQRYAPTCFSRRDFVTSSDMEGNRGNISKGNILESDMSVLITVLFETFLGISLNAFIIAVNCIDWVSRICLLFAEHVELVTSTFNPSFYNSKSRYFMFAGLAWFLSTSNLFFAACLSVYYCVKIANFSCRLFITLKQKISQLMPWLLLVSVMISLLSSLPTFVAIYNVSDNSCNSSCSQNHTGDNVTQHRILLHMIIVFSFGFSIGFTILCISAVLLLFSLWRHIRHMQGSSAGVGKPSMEAHVKAVKMVLWFLFINLIHFLSWLSCITLIFTTNIFVQHFLIQVTIFCPSIHALILILSIPKLKQALARILRYVKCKGCAKEGIP

>Chinese\_alligator\_Tas2r3

MTVRRNMFSSVSIIAITIVLIEISVGLLGNGFIVAINWTDWIKSRKLSSCNTILTSLGISRLLLQGTAIVFRSYSFFTLDTHKLDNVRITLRVIRMFANMTSAWLASCLSVFYCAKIATFTHPLFLRVKQRISGMVPQLLLGSLLLALFTSIPTVWANHDVYLCNSKGSLLGNTTSAKVNSNIIYLYFSFLYTVMAFFPFLIFLASSMLLMVSLWRHSRCMQDYAPDLQDSRTRAHVSAIKALISFLILYTFSFVGETLQTMPTCLTDNTWTPAVTSVVVAAYPSGHSIVLILLNPRLKTALVQILRHIKCQQRQRLS

>Chinese\_alligator\_Tas2r4

MEGNRGNISKGNILESDMSVLITVLFETFLGISLNAFIIAVNCIDWVKKRRLSTSNQLLTILSCSRICLLLSEDAEFVSSTFNPSFYHTNSARLMFAGVAWFLSTSNLFFAACLSVYYCVKIANFSCRLFITLKQKISQFMPWLLLVSVMISLLSNLPIFIAIYNISDNSCNSSCSQNHTGDNVTGDRILLDIIFGYCFGFSIGFTILCISAVLLLFSLWRHIRHVQGSSAGAGKPSMEAHVKAVKMVMWLLLINVIHFLVWLSFITLAFSPNIFVQHFLIQVTIFCPSIHALVLILSIPKLKQALARILHYVKCKNCAKEGIP

>Chinese\_alligator\_Tas2r5

MVDKSCAFLSAIELSPIILFYLSIVAIESVIGIVGNGFILVINLASWVRNRVVSSCDMILIFLSFSRLCLQSCMLMDFVCNLFYPSFYNQDDVYENFKAIFMFLNNSSLWFATWLGVFYCAKIANFNHSSFLWLKQNISSLVPWLLAGSLLFSFGSSLPFYWDIYKVYCNYSTAFPLENTTELKVIKNTNLFYVIFLCNASLSLPTIVFVSSIVLLISSLWRHTKQMQNNGTGLRDPSTEAHRGAIKSVFSFLILYFFNLIALILTLSNIFSAYGTWDILCMLVMSAYPMVHSVILILGNPKLRRVSLKFLHYASCHFRGGPT

>Chinese\_alligator\_Tas2r6

MSSLSAIIFIILYGVQFFVGIIANIFIVTVNVIDWTKDIKLSSNDQILVYLGLFNVFVQCTATAADFCFFFWTDLLYSGFSSQTFFFFVFFGSICTSCFTGYLCTCYYVKITDSTYPLYLRMKMAFIKNLPWLLPWIIATSFGLSLAAVWDVSKKVSLDMTANFSTNYTKPLLLFHYSTAFRIILLLLECIWPLIVTSFLVLKLIKTLCKHIRNMERTMAFGQPNLDAHKHATRTLTSLLILFISYNLLWSILVYDIFSYPSTGFLICITLLATLTSVQAITLILCNRRMKQKALRILQSIRQFLGG

>Chinese\_alligator\_Tas2r7

MEGNRSNITEEDVAKPSISLVIILLFTAFVGISVNTFIVAVNCTDWVRRKRLSTTDQILTILGFTRFSLSCIAVVDNFCQPFHSWTDGFIDKTFSILNWFLNVLNLWFAVCLGIFYCVKIANFSHHFCISLKLKISRLMPWLLMASVLLAIFNTFPAVMFIFKFQHKKSNSSIPENNKGEDIPQIIYFLHLFSLFGIGFPLCFTILCISTFLLLLSLRRHTRQLNSSSNNNPSMHAHILAVKIIMSFFIIHVIHFSAWLFVMAASIPNRKLQRLFLFQIANGCPLTHSVLLILSNPKLKQALTRILHYMGCAKGVS

>Chinese\_Softshell\_Turtle\_Tas2r1

MLTPVALISLILLGFESLVSNLGNGFIIVVIFSNWIKSRKLASCEHILISLSISRFLLQWLVMLSNFIYVSFPTTSALGCKHKAFGILWAYLNLVSLWCATCLSFFYSVKITNFTQPLFLWLKLRIAWLVPRLLLGSLIVSLVSTMPLIWSDIGFDLCNSTKSLERNTTWNDAKDIPYIFFVPVQILVLVIPFIIFLVSSTLLLISLWKHTKKMKNNVTRFKDLSVEAHIGAMKSLLSFFILYIMYFVTVMVLLTSIIKFQHPVRLPYEVLLSAYPSGHPVILILTNPKLKQVAVKILHQIKCQLREGTL

>Chinese\_Softshell\_Turtle\_Tas2r10

MSLAIIIALSILVIELIIGIIANGLIIIVNCTAWIRSRKLTSCDMILTSLGISRFFLQCMIFANNIFFASSPVMDGQCDIWRIIYIVWMYLSILSLWFATWLSVFYCVKIANFSQPLFLWLKRRISGLLPKLLMGSLLVSLVTCVSSVNAIDRKYVGNSTNNMSMNTRVKCRPKSNLSSGLVILSMLGYSFPFFIFIIPSVLLIISLWRHTKRMEKNTSSSQDTIVEAHVSAVKGLVSFIFFYVSYFMAQVIFSIGTSAHSNVYFIWFWVVVMTAYPCGHAIVLILSNPKLKRAAVRALNYAKCRLKDGAS

>Chinese\_Softshell\_Turtle\_Tas2r11

MGDNDYDIEQEDDITVPTIIMLVILVAEDFVGMWINSFIVAINCFERIKHRGLYSSDNILTVVAFSRFCVLLKTTLQTFCSIFYLEIYYMDTVFQAFRAVTWFLNSSNQWFAACLGVFYCVKIANFSHPLFISLKFRISRLVPWLLLVSVLFSLFSSLPFLNTPYKIRYNNFNSSLRGVYYTVKNVTVETSVSHVLFICGTGFSAAFTIFIISAFLLLFSLWRHTRRMQNNSSCFRSPCVEAHIQAMKAIMSFFLINVVNFIALLILLTNTLEETSLMGIACTIIIDACPSVHSIVLILSNPKLKTTLIKVLHYAKCKG

>Chinese\_Softshell\_Turtle\_Tas2r2

MLSAIIIALIVLGIELIIGSIANGLMIIVNCLEWIRSRKLTRCDMILTSLGISRFFLQCMIFINSIVLQLCQDINRSCDTLSYFFVAWMYLSTLSLWFATWLSVFYCVKIATFSQPLFLWLRQKISGLLPPLLLSSLLVSLLTCFPSVNTVYRNSSMNNLSGNTTVESKCVIDLFSGLSMFSTIGFYSPFIIFIVSSALLITSLWKHSKRMRKAMSSSKDTITEAHVRAIKGLISFIFFYSSYFAVLVIFLIEIFRNNFGFLLLWGVIMAAYPSGHSVILVLGNPKLKKVAVKALHYAQCRLRNEVS

>Chinese\_Softshell\_Turtle\_Tas2r3

MFFIFIALIILGMELIVGMIANGLMVVVNCLEWIRSRNLSYCDMILTSLGISRFFLQCMIIINSAVYQMFSEDNAFLALMGTINFVSNFVNTLSLWFATWLSVFYCAKIANFSQPLFFWLKCKILVLMPQLLMGTFLVSFVTSLPSVNSVNRKYINNSVTYLSGNTTGEWTYYANFSSGLFVLYMLSHSFPFIIFIVSSALLIMSLWRHTKRMEKNTGSCRDTVTQVHVRAIQGQLSFIFFHITYFVAQVILFTRLFSNSLSNAMWCIAIMVAYPAGHSVILVLSNPKLKKVAMRALHCARCRLRDEVS

>Chinese\_Softshell\_Turtle\_Tas2r4

MFFIFIALIILGMELIVGMIANGLIVVVNCLEWIRSRNLSYCDMILTSLGISRLFFQCMIIINTTIYQISSEDNAHLDLLRTLDFLWCFTSTLSLWFASLLSVFYCAKIANFSQPIFLCLKWRLLGLMPQLLMGTFLVSFVTSLSSVYSIDRKYINNSMTNLPGNTTGEWTYYTNFSSGLFILYMLCHSFPFIIFIVSSALLIMSLWRHTKRMEKTTGSCRDTVTQVHVRAIQGQLSFIIFHISYFVAQVILFTELFANSLSTSVWCGVIMVAYPSVHSVILVLGNPKLKKVSMRALHCARCRPSDEVS

>Chinese\_Softshell\_Turtle\_Tas2r5

MKKSLVPSDIFYLIISTMQLSAGVIANGFIVGLNCIYWVKFRTLTSYDMILTSLAFSRFCLQLFLSLNNFLYKFDPDIFYAFQTPNLFLVVWIFMNQVSLCFASCLSVFYCVKIATFNLSVFNWLKPKLSKLVPWLLLGSLLHSLITTVVFTFVSYFFEITSRNFTDHPSRNITITDKRKNLAKIVFLIHSIGSGFPLSLFIASSGLLILSLWKHIRKMNLNSDFNPSFRNPSTEAHLRAIKSVLSFLFLYIMYFAVSTVTIGILSHFTDEWKIIMFSFGVAAYPFVHSTILILGNPKLKQASAKILHSANCCFR

>Chinese\_Softshell\_Turtle\_Tas2r6

MMKSHLAPSVIYYLIVLAIELSAGVVANGFIVGLNCIDWAKSRTLTSYDIIITSLAFSRFCLQFLVTIDNFFSMLFPNFFDIFERLHSYLVTWMFINQVSLCFATCLSVFYCLKIATLNQSLFRWLKLRISKLTPWLLLGSLLYCLVTTVCFTFFSYSYSVSFYNFTDNSTMSYNRKKAMEFTFLVHSIGSILPLIIFIASSVLLFLSLWKHIRKMNFNLDFIPSFRNPSMESHVRALKSVLSFFILYNIYYAASTFSIGYIPCFSEKWKAMFWTVLAAAYPSVHSIILILGNAKLKLSSSKILYCTNSCFRQVTS

>Chinese\_Softshell\_Turtle\_Tas2r7

MQRNMFSFIISLIILGMELIVGMIANGLMVVVNCLEWIRSRNLTCCDMILTSLGISRFFLQCMIIINTTIYQISSEDNVHLDLMRTLDFLWSFTSTLSLWFASLLSVFYCAKIANFSQTVFLCVKGRLLGLIPQLLMGTFLVSFVTSLSAVYSIDRKYINNSVINLSGKTTGEWTFYTNISSGLFILYMLSHSFPFIIFIVFSALLITSQWRHTKRKEKNTGSYRDTVTQVHVRAIQGQFSFIIFHISYFVAQVILFTGFFAKSLSNSMWCLVIMVAYTSGHSVILVLGNSKLKKVALRALHCARCRLRNEVS

>Chinese\_Softshell\_Turtle\_Tas2r8

MFFIFIALIILGMELIVGVIANGLMVVVNCLEWIRSRNLTCCDMILTSLGISRLFFQCMIIINTTIYQISSEDNTHLDLLRTLDFLWCFTSTLSLWFASLLSVFYCAKIANFSQTVFLCLKWRLLGLIPQLLLGTYLVSFFTSLASVYSIDRKYVNNSVINLSGKTTGEWTFYTNISSGLFILYMLSHSFPFIIFIVFSALLITSQWRHTKRKEKNTGSYRDTVTQVHVRAIQGQFSFIIFHISYFVAQVILFTGFFAKSLSNSMWCLVIMVAYTSVHFVILVLGNSKLKKVAVRALHCARCRLRDEVS

>Chinese\_Softshell\_Turtle\_Tas2r9

MFSFIISFIILGMELIVGMIANGLMIVVNCLEWIRSRNLSYCDMIVTSLGISRFFLQCLIIINSIIYQISTEINTHIALMKTFSFLWSYTSILSLWFATWLSVFYCAKIANFSQAIFLWLKWRIPGLMPQLLMGSFLVSFVTSLPSVYFMDIKYIDNSVNNLSGKTMGEWTYNTNFFFGFSILYILGHSFPFVIFIVSSALLITSLLRHTKRMEKTTGSCRDTVTQAHVRAIQGQVSFIFFYIFYFVAQVILISGLFTDSLSNMLWFLVIIVAYPAGHSVILVLGTPKVKKRAVGALHCARCRMRDDVS

>Corn\_Snake\_Tas2r1

MSPLLQTIFQVAITAHSSMGIIASGFIVVAGYSTWLKGEKIPTCEVILMCLSSSRILLQGTILHCTFSSTLYLWNVLKIQSVLLVLSSTACLWFAACLSVFYCAKIATFTHRYFILVKLRIAEMVPMFLVGSAVVSLISCLPFIWMDDNILLCNSTGSHLKNLTVENHMRNISYLKAFSIYLTWAVLPLLLFVASSTLLIASLWRHTEQMRQSTMGLKDPRTKAHVEAIKSLISFLILYVCSFVADVLLGIPSCRARHEWKRNICLLVIAVCPSVHSVLLIFFNFRLKVVLKNILLYLACLQKKRLPVSPRLTTIHLVTFI

>Corn\_Snake\_Tas2r2

MLVSGVHNWLCLLIITAVTLVGMTGNGFIFISDCCDRIRSKTQTGSDLLLMSLSLTRFIFLGITLGFHCISFLDINQPQYAGSITIFFWTFFNAITLWITTCLGVFYCVKIVNFTQHFLVKMKLRISRMVPHLLVAVMLVSLISALPFFWIEDHTRFYNNTERIHEMMPQMFLFSMLYILGTFPSFLIFLISSGFLIYSLVHHTKRMQNNSLGFRDQRMDVHLKTTKILTSFLILYAATFVAEISMTFSPSPWASVMSNMVVSSYNSGHTIALIVMNSKLRERLSKMFQCLRKQT

>Diamondback\_Terrapin\_Tas2r1

MLTPVSLISMILLGLESLVASLANGFIIVVIFTGWIKSRKVASCELILTSLSISRFLLQWIVMLSNVIYIVFPRTSALGCKHKGFGILWNFLNMVSLWCAAWLSVFYSVKIANFTRPFFLWLKLRIAWLVPRLLLGSLMVSLVSTIPLVWTDVGIDLCNSRKIPEGNRTLNDTKDIPYLFFMPMEIIVSAIPFIIFLFSSILLLISQWKHTKKMKNNVTGLKDLSVAAHTNAMKSLLSFFILFIIYFVTIIVILAGTIRFQNPARLSYEVLLSAYPSGHPIVLVLTNPKLKQLSVKILHQIKCQLREGTS

>Diamondback\_Terrapin\_Tas2r2

MWINSFIMAVNCVECVKQRCLSSMIISWLSWHSQDFASCSKQLYRLFAQHLPEIYYCTPCSSIQSGHLVFELFQSMVRCLLVCILLCENCKLQPPLFIWLKFKISRLVPWLLLGSVLFSLFSSLPFLNAIYKIECNDFNSSLKRHYNAKNVTVETSVSQVLSICGTGFSMAFTIFIISASLLLFSLWRHTQQMQNNSSSFRSPCMEAHIQAMKTIVSFFLINIVNFIALLTLLTNIYQETSPASIACTIIVDACPSVHSVILILSNPKLKKTLIKVLHYAKCKR

>Diamondback\_Terrapin\_Tas2r3

MFPTIIICLIILGIEFITGIIANGLMIVVNCSEWIRSRKLTCCDMILTSLGISRFFLQCMININNILTHLPQDMNELCTILRIVTVFWIFLTTLNLWLATCLSVFYCVKIANFSQSLFLWLKLRISGLVPQLLMGSFLVSLVTCLPSVNTIDRKYIDHSMNTLSGNTTGECRYKVDFSSRFFISSMLGYTSPFIIFIISSILLIKSLWRHSKRMEKTTSTSRDTVTEAHVRAIKGLISFIFFYISYFVALVIFLLEISTISSYYVWIVIMGAYPSGHSVILILGNPKLKRVAVRAFHYAGCRLRGAAS

>Diamondback\_Terrapin\_Tas2r4

MFPIIIGLIILGIEFITGIIANGLMIVVNCSEWIRSRKLTCCDMILTSLGISRFFLQCMLMINGTVFQLCAEMNEQCAMLTTLTFVWLFLNTLSLWFATWLSVFYCVKIANFSQSLFLWLKRRISGLVPQLLMGSFLVSLVTCLPSVNTIDRKYIDYSLNCVSGNTTGECQYTFDFSSRFFILSMLGYASPFIIFIISSILLITSLWRHSKRMEKTTSTSRDTVTEAHVRAIKGLISFIFFYFSYFVALIFSELFANISSYYVWIVIMGAYPSGHSVILILGNPKLKRVAVRALHYAGCRLRGAAS

>Gharial\_Tas2r1

MEGNRSNISQGNFLESDTFVLIVLFETFLGISLNAFIIAVNCIDWVKKRRLSTSDQLLTILSFSRICLLFAEDAEFAFLTFNPSFYYSQSAYLMFEGVAWFLATSSLFSAACLSVYYCVKIANFSCRFFITLKQKISQLMPWLLLVSVMISLLSSLPTFIALHNVSDNSCNSSCSQNHKGENVTHKNNFLDIVFINFFGFSIAFTILCISAVLLLFSLWRHIRNMQGSSAGVGKPSMEAHMKAVKMVMWVLFINVINFLVWLSCITFFLSSSIYVQRFLTQVSIVCPSIHALIQILSIPKLKRALARTLHYVKCKGCAKEGIP

>Gharial\_Tas2r2

MEGNRSNITEKDIAEPSISLLIILLFTVFAGFSVNAFIVAVNCTDWVRRKHLSTTDKILTILGFTRFSLSCIAVVANFRQPFHSWTYGFIDKTCSILNWFLNVLNLWFGVCLGIFYCVKIVNFSHRFCISLKLKISRLMPWLLLASVLLAICNTYPAVMFMPKIQDKKSNSSIPENNKGEDIPQIVNLLQVFFLFGIGFPLCLTILCISTFLLLLSLWRHTWQLNSSSNNYPSMHAHILAVKIIMSFFIIHVIHFSAWFIVMAARIPNRSLQRLFLFQIANGCPLTHSVLLILSNPKLKQVLTRILHYMGCAKEGVS

>Gharial\_Tas2r3

MDLLQYLFAAIGSEIEKSLLLTCLISLGISRFVLQGTIIVYIHSLYFPGMPKLATLYKAFCILWMFVNHASLWFSTWLSVFYCVKIINFTQLILLRMKLRISGMVPWFLLGSVLVSSITTLPMFWIFPSISSPNSTGNHVNNSVKSTALDTSSLSIASLYCSGCFFPLTISFFTSVLLIVSLWKHTKKMQHNTTSCQDPRTNIHVNAIKALVSFLILYLSSFIAQIPLILSASQNSHTWEVAVSLVVVAAYPSGHSIILILMHSKLKQASVRFFNCTMYHLTKGTPKSH

>Gharial\_Tas2r4

MFSSVSIIAITIVLTEISVGLLANGFIVAINWTDWNKSRKLSSCNTILTSLGMSRLLLQGTAIVFRSYSFFTPDTHRLDNVRITLRVIRMFANMTSTWLASCLSVFYCAKIATFTHPLFLRVKQRISGMVPQLLLGSLLLALFTSIPTVWANHDVYLCNSKGNLLGNTTSAKVNSNVIYLYFSFLYTVMAFFPFLIFLTSSMLLMVSLWRHSRCMQHYAPDLQDSRTQAHVSAIKALISFLILYTFSFVAETLQTMPTCLTDNTWTPAVTSVVVAAYPSGHSIVLILLNPRLKTALVQILRHIKCQKRQSFLNSATSC

>Gharial\_Tas2r5

MEGNRSNISQGNFLESDTFVLIVLFETFLGISLNAFIIAVNCIDWVKKRRLSTSDQLLTILSFSRICLLFAEDAEFAFLTFNPSFYYSQSAYLMFEGVAWFLATSSLFSAACLSVYYCVKIANFSCRFFITLKQKISQLMPWLLLVSVMISLLSSLPTFIALHNVSDNSCNSSCSQNHKGENVTHKNNFLDVVFINFFGFSIAFTILCISAVLLLFSLWRHIRNMQGSSAGVGKPSMEAHMKAVKMVMWVLFINVINFLVWLSSITLFLSPNIYVQHFLTQVSIFCPLIHALILILSIPKLKRALARILHYVKCKGCAKEGIP

>Gharial\_Tas2r6

MVDKSCAFLSAIELSPIILIYLSIVATESVTGIAGNGFILAINLASWVRNRVVSSCDMILIFLSFSRLCLQFCMLMDFVCNLFYPSFYNQDDVFESFKAIFMFLNNSSLWFATWLGVFYCAKIANFNHSSFLWLKQNISSLVPWLLAGSLLFSFGSSLPFYWDIYKVYCNYSTAFPLANTTELKVIKNTNLFYAILLCNASLCLPTIVFVSSIVLLISSLWRHTKQMQNNGTGLRDPSTEAHKGAIKSVFSFLILYFFNLIALILTLSNIFSAYGTWEILCMIVMSAYPMVHSVILILGNPKLRRVSVKFLHYASCHFRGGPK

>Gharial\_Tas2r7

MTPLSVVTLLGLVIEFVVGIVANGLIVGLNCIAWIKSKKLDSCALVLISLGTSRFFLLCTLLVNNIFFIIPKMNNEQCNTWRAFYFIWMYLSTLSLWFATWLAVFYCVKITSFNQHLFLWLKLRLSGLLPWLILGSLLVSLATSLPTVNAIHIDYLNNSINNLSRNITVACIYETNTSPSFLILTMFGHYSPFVLFFVPSLLLVTSLLRHTKRMGENMSTSRDTSAEAHIRAIKALLSFIVLYIFYMVAQVVTLSKKFAASSPYLLWFCIMILAGYPLVHSVILILSNPKLKEAALKGLRNARCLQEDESQ

>Gharial\_Tas2r8

MSSFSAIIFLIIYGVQFFVGIITNIFIVTVNVIDWTKDINLSSNDQIIVYLGLSNLFVQCTATAADFCFFFWTDLLYSSFSSQTFFFFVFFGNFCTFWFTGYLCVCYYVKITDSTYPLFLRMKMTFIKNLPWLLLWMTVASFGLSLAAVWDVSKKVSLDMTANFSTNYIKPLPLFHNSNAFRIILILLECTWPLIVTSFLVLKLIKTLCKHVRNMERTMAFGQPNLDAQKHATRTLASLLILFISYYLLWSILLYDIFSYPSTGFLICFTSLATLISIQATTLILCNQRMKQKALRILQSIRQFAGG

>Green\_Sea\_Turtle\_Tas2r1

MIIVNCTEWIRCRKLTCCDIILTSLGISTFFLQRTIFINNIFFALSPVLNGQCDIWRNLYFLWMYLNTLSLWFATWLSVFYCVKIANFSQPLFLWLKQRISGLMPQLLMGSLLVSLVTCLPSANVIDRKYIDNSTNNLSGNTRVECRHNSSSGLVILYMLGYSFPFFIFVVSAVLLITSLWRHTSRMEKNTNLSSDTITEAHVSVIRGLIAFIFFCISYFVAIVPFLLKVFALSNLYFRWFCVVIMAAYPSGHSVILILGNSKLKRVAVRALNYAKFWLRDEAS

>Green\_Sea\_Turtle\_Tas2r2

MFPAIIIGLIILGIEFITGIIANGLMIVVNCSEWIRSRKLTCCNMILTSLGISRFFLQCTIIINNILFQLPHTMNELCAMLRTLAVVWMFLNTLNLWFATWLSVFYCVKIANFSQPLFLCLKRRISGLMPQLLIGSFLVSLVTCFPSVNGIDRKYINNSMNNLSETTIGECQYKVDLSSSFFILSMLGYSFPFIIFMMSSILLIISLWRHSKRMKKTTSSSRDTITEVHFRAIKGLVSFIFFYISYFVALVIFLLEISTINTYFLWIVIMGAYPSGHSVILILGNPKLKRVAVRALHYAGCRLRDAVSQNCS

>King\_Cobra\_Tas2r1

MSPLLRTIFQVAITAHSFMGIVASGFIVVAGYSTWLKGKKVPTCEVILMCLSSSRILLQGTILHCTFSSTLYLWNVLRIQTVLLVLTSTACLWFAACLSVFYCAKIATFTHRYFVLVKLRIVKMVPMFLGGSAVVSLISCLPFIWMDDNVPLCNSTGNPLKNVTVENHAGSISYLKVFSIYLIWAVLPLLLFVASSTLLIASLWKHTEQMRQSTMGLKDPRTEAHVAAIKSLISFLILYICSFVADVLLGFPSCEARREWKRNTCLLVIAVCPSIHSVLLIFFNFRLKMAFKSLLLYLVCRQKKDYR

>King\_Cobra\_Tas2r2

MSVSGVHNWLCLLIIIVVTLVGMTGNGFIFISDCCDWIQSKTHSGSDLLLMSLSLTRFIFLGITLGFHCISFLDINQPKYAGSVTIFFWTFFNATTLWITTCLGVFYCVKIVNFTQPILVKMKLRISNVVPHLLVAVMLVSLISALPFLWIEDHTQSYNNTERRQEMMAQMFLFGMLYILGTFPSFVIFFISSVFLIYSLVHHAKRMQNNSLGFRDQRMDVHLKTIKILTSFLILYAATFVAEVSMTFSPSPWASVMSITVVSSYNSGHTVALIVMNSKLREQLSKMFQCLRKRHEGLSPD

>Painted\_Turtle\_Tas2r1

MFPTIIICLIILGIEFITGIIANGLMIVVNCREWIRSRKLTCCDMILTSLGISRFFLQCMININNILTHLRQDMNELCTILRIVTVFWIFLTTLNLWLATCLSVFYCVKIANFSQSLFLWLKLRISGLVPQLLMGSFLVSLVICLPSINTIDRKYIDHSMNNLSGNTTGECRYKVDFSSRFFISSMLGYTSPFIIFIISSILLIKSLWRHSKRMEKTTSTSRDTVTEAHVRAIKGLISFIFFYISYFVALVIFLLELCTISTYYVWIVIMGAYPSGHSVILILGNPKLKRVAVRAFHYAGCRLRDELS

>Painted\_Turtle\_Tas2r2

MFPVIIICLIILGIEFITGIIANGLMIVVNCSEWIRSRKLTCCDMILTSLGISRFFLQCMLMITGIFFQLCAEMNEQCAMLTTLTVVWLFLNTLSLWFATCLSVFYCVKIANFSQPLFLWLKRRISGLVPQLLMGSFLVSLVTCLPSVNTIDRKYIDYSLNCLSGNTTGECQYTFDLSSRFFISSMLGYASPFIIFIISSILLITSLWRHSKRMEKTTSTSRDTVTEAHVRAIKGLISFIFFYISYFVALISSELFANISSYFILLWVVIIGAYPSGHSVILILGNPKLKRVAVRAFHYAGCRLRGAVS

>Painted\_Turtle\_Tas2r3

MLTPVGLISMILLGLESLVASLGNGFIIVVIFIGWIKSRKVASCELILTSLSISRFLLQWIVMLSNVIYIVFPRTSALGCKHKGFGILWNFLNMVSLWCAAWLSVFYSVKIANFTRPFFLWLKLRIAWLVPRLLLGSLMVSLVSTIPLVWTDVGFDLCNSRKIPEGNTTLNDTKDIPYLFFMPMEIIVSAIPFIIFLFSSILLLISQWKHTKKMKNNVTGLKDLSVAAHTNAMKSLLSFFILFIIYFVTIIVILAGTIRFQNPARLSYEVLLSAYPSGHPIVLVLTNPKLKQLSVKILHQIKCQLREGTS

>Painted\_Turtle\_Tas2r4

MMKKSLAPAVIFYLIISAMELLAGVVANGYIVALNCINWVKSRKLTSYDKIITSLAFSRFCLQVFVSSDNFLYKLYPDFFYMTETSSPYAVIWMFINQVSLCFASCLSVFYCVKIASFNQALFNWLKLKLSKLVPWLLLGSVLYCLVTTVAFAVFTYSSHNSTDCLSRNVTISDNNKNRAVFTFLIHGIGSISPIILFIASSALLIISLWRHIRKMNLNSDLNPSFRNSTMDAHVRALKSVVFFFILYNIYYMASTLSIGSLAYVSDELRITVCTIIIAAYPSLHSIVLILGNPKLKLASARILHSANC

>Painted\_Turtle\_Tas2r5

MKKSLATAFIFYMIISAIEFSVGVVVNGYIVAVNCIDWAKSRTLTSYDKIITSLALSRFCLQFFMTDYSLFKLYSHLFVRFQTAQLYIAIWLFINQMSLCFASCLSVFYCVKIATFNQSLFSWLKLKISKLVPWLLLGSVLYCLVTTVAFTLFSYSYCLSSHNSTDRLSTNSTMSDKIKNLMELTFLIHSVGSIFPLIVFIVSSVLLIISLWRHIRKMNLNSDLNPNFRNPSTDAHVRALKSVVSFFIVYNIYYVASTFSIGNISYLNAEWKMRVFLFISAAYPSVHSIILILGNPKLKLASGKILHSANCCFR

>Painted\_Turtle\_Tas2r6

MMKKYLAPAVIFYLIILAIELSAGVITNGYIVALNCINWANSRTLTSYDKIITSLAFSRFCLQILVTLDNVLSKIYPNIFDRFQTLQPYLVTWMFINQVSLCFASCLSVFYCVKIASFNQSLFSWLKLKISKLVPWLLLGSMLYCLVTTVAFTLFSYSYWVFSHNSTDCLSKNGTISDNKNNLLEFTFSVGSISPLIVFIASSVLLIISLWRHIRRMNLNSDFNPSFWNPSMDAHVRALKSVVSFFIIYTIYYVASTFSIGNLSYFNDELKIMVCTFVAAVYPSLHSIILILGNPKLKLASAKILHSANSCFGEVTS

>Painted\_Turtle\_Tas2r7

MGDNDCNFVKEDDITNSSIIVLVILVCEAFVGMWINSFIMAVNCVECVKQRCLSSTDNILAVLAFSRFCFLLKTTLQTFCSTFYPEIYYLHSVFQAFRAVTWFLNSSNQWFAACLCVFYCVKIANFSHPLFIWLKFKISRLVPWLLLGSVLFSLFSSLPFLNAIYKIECNDFNSSLKRHYNAKNVTVETSVSQVLSICGTGFSMAFTIFIISASLLLFSLWRHTQQMQNNSSSFRSPCMEAHIQAMKTIVSFFLINIVNFIALLTLLTNIYQETSTASIACTIIVDACPSVHSTILILSNPKLKKTLIKVLHYAKCKR

>Brown\_Spotted\_Pit\_Viper\_Tas2r1

MSVSGVHNWLCLIITTAVTLVGMTGNGFIFLSDCHDWIRSKAPSGPGLLLMTLSLTRFIFLGITLGFHCFGFLDINRPKYAGRVTIFFWTFFNATTLWITTCLGVFYCVKIVNFSQPFLVKMKLRISSMVPHLLVAVVLVSLISALPFLWIDDHNQSDNPEGVREVRVQMFLFSILYILGTFPSFVIFLISSGFLIYSLVHHVKRMQNSSVGFRDQRMDVHLKTTKILTSFLILYAATFVAEISMTFSPSPWTMVISNIVVSSYNSGHTVALIVMNSKLRGRLCKMFWCFRKQT

>Japanese\_Gecko\_Tas2r1

MAYLLLVTGFILLVMETLSGMITNGFIVLIICMDWFKSKKLPPTYLILGCLGLSRLLWQAIVILKVTMTFFFRSTYIQNYTRLTFITMWLFANTLNLWFAAWLSVMYFVKIAIFSHPVFLQVKQRFSGLLLRLLLGSVAFSAFMNIAIITASNYGLSTCNPYKIQPSNFSDTDIKISHSCKYFIIVTTAPHCLPIMIFLSSSVLLITSLWKHTRRLRCNRTGPRDLSTQTHLTAIKALASFAILYLFSFVAFTSQSLLIWISRRRDWTSIFFENASAVYPTGHAIILILINPKLKQAWVRMMHHLKCHLREA

>Japanese\_Gecko\_Tas2r10

MSDEMSASLRSLCLSVFGMMNIVALLGNGFIIAVNGYSWLQSRKLIPCGLLLSCLSASRFLTQGILTINQCLYLRSPGTYEFSCTEQFMNMAWNYCNMASFSSDTALNVFYCLKITTFAHPPFPWLKSRIDRFMPRLLAIPCIAFVFFSLPSYVVYLSQGSCHFLRRNMTERRNPKNNKVFKMLSPVQFTLPALCFLICSAASVLLFISLWRHMRNLKKNGLDVKDLSTRAHLSVMKSLLCFLFFFVLYFVATNVAFFSDFRISSLEHLISIILLSSYPSVHSIVLIVTNPKLKETCVRILNIGKRSSCSSSNSRAE

>Japanese\_Gecko\_Tas2r11

MATLLTKVSVVFLVIEALIGIVANGSIIIINFIDWFRNRKLSPTDLILVCLGSSRLLLQAVVILGATLFNNTPSNVPFTLMGIWIFSNVVNLWFAACLSVFYLAKIAVFSHPLFLQIKRGLPWLVPWLLLGSVVFSVVRTMIVTMSWNYGFFTCNPYKLLSINRSNAEMNMSPVCTHLTALTAVFDFIPFMVFLSSTIFLVSSLWKHMRCVQRNGTGTGDFNTQAHLRAIKALASFAVLYLISLTAIISQPVLAWNKHTWTILLFNVSAVYPSGHAIILILINPKLKQAWVRMIHHFKCHLRKVPS

>Japanese\_Gecko\_Tas2r12

MATLLTKICFVFLVMETLFGMVANGSIVLINFIDWFRNRKLSPTDLILICLGLSRLLLQAVVILDVTIFILLNSTVSKVLFALNGVWMFTNMMNLCFAACLSGFYLAKIAVFSHPVFLQFKQRFPGLVPWLLLGSVVFSVLRTLLVILRWNYAFSTCNPFKSLLSNRSNAEMKMPPVCRHITALNAVFDFIPFMVCLSSSIFLISSLWNHMRRVQSNGIGTRDLNTQAHLRAIKALASFVVLYLISFAANTSQAELVWNYQHTWTTLLFNVSAVYHSGHAFILILINPKLKRAWVRMIHHFKCHLRKVPS

>Japanese\_Gecko\_Tas2r13

MATLLTLVCFVFLVMETLIGMVANGSIIVINFFDWFRNRKLFPTDLILICLGLSRLFQQAAVILDITLLILFNRVLSNLLFMMTIIWTFTNTLNLWFATCLSIFYLAKIAVFSHPVFLQIKRRLPGLVPWLLLGSVIFSVVRTMIVITNWNYGLSTCDPFRPLSINRSNVEMNLPPVCGHITALTTVFDFIPFMVFLSSSIFLISSLWKHMRRVQSNGTGTRDLNTQVHLSAIRALASFAVLYLISFVTTISQLVLVWENQHTWNILLFNVSALYPSGHAIILILINPKLKQAWVRMIHHFKCRLGKVPS

>Japanese\_Gecko\_Tas2r14

MAPLLTIVCFVFLVMETLIGMLANGSIVLIHFIDWFRKRKLSPTDLILICLGSSRLLLQAVMILGVTLFIWFNHITSNLVFTMIIGWMFTNTVNLCFAACLSVFYLAKIAIFSHPVFLQVKRRLPELVPWLLLGSVVFSAVRTLIVTTSWNYGFFTCTPYKLLSINRSNVEMNMPPVCMHITALAAVFDLIPFMIFLSSSIFLISSLWKHMRCVQRRGIGAKDLNTQAHLSAIKALASFAVLYVISFAAVTSQFVLGWTKQYTWTIPLFNVIALYPSGHAIILILINPKLKQAWVRMIHHLKCCLG

>Japanese\_Gecko\_Tas2r15

MATLLTKVLFPFLVMETLIGMVANGSIVLIHFIDWFRKRKMSPTDLILICLGVARLLLHAVIILDATLFTLHKNTLSNIHFTLNSVWTFMSTVNLWFAACLSVFYLAKIAVFSHPVFLQVKQRFSGLVPWLLLGSVVLSAVVTIIIITSWSLSTCNPYEPLSINKSNAEMNMPDMCWHIAAQSAVFDFIPFMVCLSSSIFLISSLWRHMRRVQSNGTGTRDFNTQAHLSAIKALASFAVLYLISIAADISQFVLVWDNQHTWSILLFNVSAVYPSGHAIILILINPKLKQAWARMIHHLKCRLRKVPS

>Japanese\_Gecko\_Tas2r16

MATLLTIVCILFLVMETVIGMVANGSIFLIFFIDWFRKRKLSPTDLILICLGLSRLLLHGVMILYVTLFTLLNNTRINLLLALTGVWIFTNTVNLWFAACLSVFYLAKIAVFSHPVFLQVKRRFSGLVPWLLLGSVVVSAVVTIIMITSWQYGYSTCSPYKPLSINRSNAEMNTQNVCRHIITLVAVFDFIPFMAFLSSSIFLISFLWKHMRRVQSNGTGTRDLNTQAHLGAIKALASFAVLYLISFAVDTSHSVLVWDSQHTWTTVLYNVSVVYPSGHAIILILINPKLKQAWVRMIHHFKCHLRKVPP

>Japanese\_Gecko\_Tas2r17

MATLLTIVCFVFLVMETFFGMVANGSIVLINFIDWFRHRKLSPTDLILICLGLSRLLLQAVMILGVTVFTLLNDIRRNVLITLGSIWVFTNTVNLCFAACLSVFYLAKIAIFSHPVFLQFKQRFSGLVPWLLLGSVVFSAVVTIIFITSWSYDLSTCNPYKSLSSNRSNAEMNMPHVCKHLATLTAVFDFIPFMIFLSSSIFLISSLWKHMRRVQCNGTGTGDLNTQAHLSAIKALASFAVLYLISFAVDASHSVLVWDSQHTWTPVLYNVSAVYPSGHAIILILINPKLKQAWVRMMHNLKCRLRKVPS

>Japanese\_Gecko\_Tas2r18

MLCCVLLMGTVSIAAEESLLFSFVLRKMATLLSITGFALLIMETLVGLVANGFIVFINCIDWYRNRKLSPTDLILICLGSSRIMWQALVMLHVTMLSFFLHTYVLKRVHLIVMIMWFFTETINLCFAACLGVWYLTKIAIFSHPIFLQVKQRFAGLLPWLLFGSVVFSSFMTIINFTESFSGLAICDPYKLVLSNSSDSEMQKSHSCMVLVFLRIVSHFIPSVIFLSSTVLLIISLWKHIRHLQHNGTGVKDINTRVHLTAIKALASFAILYLFSLVAINLQSMLVWGSNDLSWTSVLFHNVSDVYPSGHAVILILINPKLKQAWIRMIHHLKCHVSEASS

>Japanese\_Gecko\_Tas2r19

MMVVMDRDQFSPLGVFFVIIFGIESIVSLLGNGFILAVCGHSWLRSKKMLPCDFLLTTLSLSRFLFQLVSTSSQFLFFSSPETYLVSETEHAFKLSWAYLNIASLWCATWLNVFYCVKVTNFPHPLFAWLKLRIGALVPRFLGISLLAFIICSIPPVLRSFENEKCCNLTGNLPENTSQSEVHHRHSRMALKSFQVYFTAINCIICLTASLVLLLSLWRHMRNLKKSGLSTKDFSTQAHLSVMKSLLLSLFFYILHFTAVIFALTHTFRYGNLKRLISDIFHILYPSAHSVILIVTNPKLRKACTHVLDLRSAS

>Japanese\_Gecko\_Tas2r2

MEVSAFVIISSIFLVIETLVGLVANGFIVLMNYIDWFRSRKLSPNDQILTCLALSRLMWLAFVILNMIADFYSMDKHNCHYVYLMLPILWIFTNTTSTLLATCLSVFYLTKIATFSHPVFLQVKLRFSGLVPWLLPSSVVFSAITAIFLVTGLSNGFSMCDSNKSLLNITDSGIKLSDLYMYIDILAIVPNFIPLMIFLSSSILLMTSLWMHRRRMQRNGTGIQDLNTQVHLTAIKALASFAVLYLSSFLAVIAQAVLTWNDMSKTWLFMLLSNVTVSSPSGHAVILILIHPKLKQAWIRMLLHFKCCSTEVLS

>Japanese\_Gecko\_Tas2r20

MVAMDPNLFSPLGVFFLIIFGIESIVSVLGNGFVLAVSGHSWLRSKKMLPCDFLLTILSLSRFLLQWVTTGSQVAYFSSPETHVYSKEHQAFAFSWVYLNTASLWSATWLNVFYCVKVTNFTHPLFSWLKVRIGVLVPRFLGISLLIFIISSIRPVMRSFEDEKCHNLSGSLPENTSQSGVHGSNCVVFLNTLHIYFTAINFSICLTASLVLLLSLWRHMRNLKKGGLSTKDLSTQAHLSVMKPLLLSLFFYILHFAAMILVFTKVYRYGNLGQLICEILLSSYPSAHCVILIFTNPKLRKACTLVANLRRSAS

>Japanese\_Gecko\_Tas2r21

MVVMHRDLFSPLGFFFLVVFGIESIVSLLGNGFVLVVNGHSWLCNEKMLPSDFLLSTLSLSRFLLQWISMSSQFVYFSSPETYRDHEKLWAFTLSWVYLNTASLWCATWLNVFYCVKVTNFAHPLFVWLKLRIGVLVPRFLGISLLTFIICSVPSIMRSFENEKCCNLTGNLPETTSQSEAHQDYSLVFLNTLHAYFISINFSICLTASLVLLLSLWRHTRNLKKGGLSTKDFSTQAHLRVMNPLLLSLFFYILHFAAMILALNVFTYGKLERLICEIFLSSYPLAHSIILIFTNPKLRKVCIHVLNIRRSKCLMKRK

>Japanese\_Gecko\_Tas2r22

MGSGSDSSTTGELFTINMITILVGTILLLGSMWMDVFILTVSGRDWMKKKCLSTTDGILTLQGSIRIYLWCTNLVWHILDKFCPWVTGIGYVLGVYTFSFWYLLSCNIWLTTSLCTYYCVKIADFSHPFFIHLKLKLSGLVSTWLLGSAILSLASTLPLAYTILETEDNRNFSNFFQNKNETDISNTGMAFRMYVLLALGPSAAFSICAISAVLLLFSLWRHRQRMLDSWGGHKGPQTDAHFQAVITILFLLVNNVAVFVSIELVLSSSYGGSSVSPFGPSTVLYCCFSVESLISVWGNKKLKNKLRRSFHLARCRGCVRWLHTHSNCV

>Japanese\_Gecko\_Tas2r23

MIFILVGTILMLGRTWMDVFILTVNVRDWMEKKRLSTTDRILTVQGSIRIYLGCTEIIWLILEKFCPWITRVGYVFKAFKFTLWYLMSCNVWLTASLCTYYCVKIADFSHPFFIHLKLRLSGLAATWLLGSAILSLASTLSFAYIDLEIRDNSNFSNCSQNKNVADISHTGMAFRMYVLLGLGPFAAFSICAISAVLLLFSLWRHRQRMLGSWGGHRSPQTDAHFQAVITILSLLVNNVVVFIAILLLLSRGFERDLISQRDPSVLLYCCFSVESLISVWGNKKLKNELIRSLHFAKCRGCFR

>Japanese\_Gecko\_Tas2r24

MGSGSDSGTTGEFFDRNMITILVGTILLLGRMWMDVFILTVNGRDWMEKKRLSTTDRILTLQGSIRICLGCLELIQSILEKFCPWVTRIGYVRKAIEFSFRYLISCNIWLTTSLCTYYCVKIADFSHPFFVHLKLRLSGLVSTWLLGSAILSLAGTLPLTYFNLEIQDNRNSSNFSQNKNETDISHTGMAFRLYVLLALGPSAAFSICAISAVLLLFSLWRHRQRMLGSWGGHKSPQTDAHFQAVITILSLLVNNVIIFICNQLVLSRSYAGSSVSGFGPSIVLYCCFSVESLISVWGNKKLKNKLRRSFRFAKCRGCVS

>Japanese\_Gecko\_Tas2r25

MTIILIMTILLLGSTWMDVFILTVNCRDWMEKKRLSTTDRILTLQGSIRICLGCLELIQSILEKFCPWVTRIGYVLEVYTYISWYLTFYNVWLTASLCTYYCVKIADFSHPFFVHLKLRLSGLVSTWLLGSAILSLASTLPLAYTTMEIRDNRNFSNFSQNKNETDIARTVLLGLGPFAAFSICAVSAVLLLFSLWRHRQRMLGSWGGHRSPQTDAHFQAVITIVSRLVTSVVVFISIQLFLSSGYGGNSISQLGPSIVAYCCFSVESLISVWGNKKLKNELRRSFCFAKYRGCVS

>Japanese\_Gecko\_Tas2r26

MLCCELLMESTSIAAEETLLFSLVLRNMATFLSITAFILLIMEILIGTVANGFIVLISCIEWIRSRKLSPINLILICLGSSRLMWQAIVMLHVTMFSFFPHTYILKQVHSIITVIWFFTDTVNLCFAACLGVWYLTKIAIFSHPVFLYVKQRLSGLLPWLLLGSVAFCAFMTVIVFARSFSDLAICDPYNLLLNNSFDLEIQKSRTCMDINISRTVPKVIPSVIFLSSTVLLIISLWKHTRHLQHNGTGVRDINTNVHLSAIKALASFAILYLSSLVAINLQTVQVWGSNHDSWRTVLFHNVSVVYPSGHAVILILINPKLKKAWVRMIHHLKCCVSEAPS

>Japanese\_Gecko\_Tas2r27

MATLLSIIGFALLLMETLVGMVANGFIVLISCTEWIRSRKLSPTDLILTCLGLARFAWQAIVILEVTMYSFFLRIYQLNHCRLVLNMLWLFTYNVNLWFAAYLSILYFVKITTFSHPLFLQVKQRFSRLLPWLLLGSVAISAFMTMIMTVITVLSSDLINCDPYKLLLNDSFDLEIKKAPSCMDFAISVIVPNVIPSVIFLSSTILLIISLWKHARHLQHNGISTTDLNTSVHLSAIKALASFAFLYLFSSVAIHLQAMPIWRSIDHSWTDVLFQTMSAVYPSGHAVVLILVNPKLKQAWVRMMHHLKCHVSEAPS

>Japanese\_Gecko\_Tas2r28

MIVILVGTILVLARTWMDVFILTVNVRDWMEKKRLSTADRILTLQGCIRIYLGFPDIIWQILEKFCPWVTWIHYVFKALIFSFWYLLSCNVWLTTSLCSYYCVKIADFSHPFFVHLKLRLSGLVSTWLLGSAILSLAGTLPLAYTTMEIRDNRNFSNFFQNKNETDIRHTGMASRMYVLLGLGPFAAFSICAISAVLLLFSLWRHRRRMLGSWGGHRSPQANAHFQAVITILSLLVNNVVVFIAILLLLSRGFKRNLISQLGPSILLYCCFSVESLVSVWGNKKLKNELRRFLYFAKCRGCVSELKRIAHC

>Japanese\_Gecko\_Tas2r29

MATLLLLTGFALLIMETLVGMVANGFIVLISCIDWIRSRKLSPTELILTWLGLARLAWQAVVILDVIMLFFFLHTYLLDHVFLMINMGWYFIYNINLWFAACLSVLYFVKITTFSHPLFLRVKQRFSGLLPWLLLGSLAFSAFMTMTITVITVSSSGLTSCDLYKLFLNHSFDSKIKKPHTCMDFAISVIVLNVIPSVIFLSSTILLIISLWKHTRLLQHNGISNKDLNTRVHVTAIKALISFAILYLSSTVAIILQAMPVIIDRSWTSMFFQTMSCVYPSVHAVVLILINPKLKQAWVKMIHHLKCHVSEAPS

>Japanese\_Gecko\_Tas2r3

MATLLSITGFALLIMETLVGIIANGFIVLISCIEWIRSRKLSQTDLILICLASSRLLWQALVMLRVTMLFFPPLIYRLKLVHLTVTIMWFFTDTINLCFAACLGVWYFTKIAIFSHPLFLHVKQRISGLLPWLLLGSVVYSVFMTVTVFTVLNSDTTICDPYKSFLNNTYDSEIQTPHSCIDLLFFRMVPTVIPSVIFLSSAILLIISLWKHTRHLQQNGIGVRDLSTNVHLSAIKALASFAILYLSSLVATNLVLVRRSNDGSWRSVLYNVSAAYPSGHAVVLILINPKLKQAWVRMIHHLKCCVSEAPS

>Japanese\_Gecko\_Tas2r30

MEVSAFVIISSILLVIETLVGLVANGFIALMNYIDWFRSRKLSPNDQILTCLALSRLMWLAAVILNITAHYYSMDKHNCHYVYLMLPILWIFTNTSSTLFATCLSVFYLTKIATFSHPVFLQVKLRFSGLVPWLLPSSVLLSAFTAIFLVTGLSNGFSMCDSNKSLLNITDSGIKLPDLYMYIDILATVPNLIPLMIFLSSSILLLTSLWMHRRRMQRNGTGIQDLNTQVHLTAIKALASFAVLYLSSFLAVIAQAVLIWNDMSGTWLFMLLSNVTVSSPSGHAVILILLNPTLKQAWIRMLLHLKCCSSEVPS

>Japanese\_Gecko\_Tas2r31

MSEFDALNVLCLVIVAIVIVVGVMGNGFIVLANGLDWIRSKTMPPSDMILTALSLSRLLFLGLVLAVHCLFFLDVDNPKSLPESLIFFWGFANATTLWMATCLAVFYCMKLVNLPQVFFVKMKLGLSRLVPRLLLGSVLVSFITSFPIIFFEKCSPCCNETRVVRGNRNTTCPQKVLSGIIYITGSSPSFVIVLASSVLLIRSLLHHARKMRLNMGGVKDHRMDVHIKAVKTLVSFVILFTASFVAVVSLAMFTSPWTIVTSTVVIIVCNSGHSVMLISMNPKLKQPLIRSLRGSLGRTLRRISTSCPKTAVGNCSC

>Japanese\_Gecko\_Tas2r32

MSLNAFIVTVSCINGMKSKQLKSIDKILAALGITRFCYLGMFLGKIFWMSISSRVFEVTALYQMFKAAIWFLTCVCFCFSACLCSFYCIKIANFGHRLFVYLKLRISRLVPWMLLVSVLGSLLNSFPFFNGIYNIACKNSTGSGESANRTLEDFTWETNLLSLFAYCGVGFSVVFSISVASSCLLLFSLWRHAHLMQNGSPSFSKLSMAAHFQAVKTIMSLLIVDSVNFIGLMILLSNVFSERGPTNRLITIIVYVCPSAQSQIVIWGNPKLKRAFIRLTNCIRHMSLV

>Japanese\_Gecko\_Tas2r33

MLVIVGTETVLGAWINAFIMTVCCINRLKNKSLSAADHILMVLATNRFCFLILGMLRVLCRTLSPLIYYKDFVYRGLKAILWFFISSNLWLAACLCLFYCVKIASFSHPLFISLKLKITRAVPALLLGSELLSLVNTIPFFSLIYTVQCNVSNDTASGNIKSQIDMHTNWRNLFFLCGFGFSLVFAIFVTSAALLLVSLWRHARQLRGVLSGYTSPRMAAHVRAVRVITYFLVTYLVNFVALMLLLTDVFSEDSALDFLCTIVLNACPSVHSITLILTNPKFKKTFLQMLRHGGCKW

>Japanese\_Gecko\_Tas2r34

MSSLLSIGLALLVLETLIGMVANGFIVLFICTDWFRSRKVSPTDLILCCLGLLRFIWQVTVFLIVIMTSFFKCTFVQVNVWLVFEIMWVFMNTVHLWFAAWLSVLYFVKITMFSHPVFLQVKQRFSGLVPWLLLGSVVFSAAVTILITASTYIFPICHHYKSLSRNSSDSECKAPHSCSDFAMLSIAPSLIPFLLFLSSSILLIISLSKHLRHLQHNGVGVMDLNTQAHLSAIKALASFAVLYLSSFVAANSLIIMPWIAYERHWTSTLVENASAIYPAGHAVILILMNPKLKQAVIQMLHHLRCRL

>Japanese\_Gecko\_Tas2r35

MAMIDRHLFSPLGVFFLVVFGIESIVSLLGNGFILVVNGHSWLHNKKMLPSDFLLTTLSLSRFLSQWVSMTAQFMYFSSPDTYIYSKEQPALKFSWLYLNTASLWCATWLNVFYCVKVTNFAHPLFSWLKLRIGVLVPRFLGISLLAFILCSIHPVMMYFEDEKCHYLTGNLPENTSKSEAHGSECVMFLSPLLISSTAISFSICLTASVVLLLSLWRHKRNLKKGGLSPKDFSTQAHLRVINPLLLSLFFYVLHFAAIILIFTGVFKYGKLQRLICEIFLFLYPSAHSIILIFTNPKLRKLCTRVLNL

>Japanese\_Gecko\_Tas2r36

MAAMDRNMFSPLGIFFLIIFGIESLVSLLGNGFIVVVNGQSWLHSRKMLPCDFLLTTLSLSRFLLQWVIVSSQFVYFSYLETYIDSRKHQAFSLTWMYLNTASLWCATWLSVFYCVKVTNFAHPLFVWLKPRIAVLVPRFLGISLLAFIICSVHPVMRSLENEKCCNLTGNLVGNTSQSKTCGSHFLMLLSPLQFSFTAISFSICVSASILLLLSLWRHTRNLKMGGLSTKDFSTQAHLSVMKPLLLLLFFYIVHFVAMIITMGDILHYGKLERLISDIVLTSYPSAHSVILIFTNPKLKKTCIHMLNLRRGAS

>Japanese\_Gecko\_Tas2r37

MVQSSMGHPQGQKKDSTAMESAMPRDRALVPSSLVTFYLAVTGTAYLLVIMTNGFIIVVNLSDWSKGRGLMPNDKILSSLALSNLCYSTSFITDYFFSLIWDEFYSVFYNLQRVFMTLDIATSFSSFWFTAWLSVFYCVKIVSFKRLLLLKLKLQFPGLVRWLLLGSALVSLGAALLFQLAFMVVSHRKPATNQTTSLSPASNCTRNHVNAGIILVHMSPVYRVLIIIIGCSIPLMVVVFSSVPVLWSLFRHTQKLEQTLSPSHLEAHVKAAKAVLTLLLCYIISFVCQTLVRAEIYRNWYYPYFLCLMVQLATLLAQSTILIRSNSRLMQTATHLLPCPLGRQRKGNSRKPTELQEV

>Japanese\_Gecko\_Tas2r38

MATLLSITGFAILVMETLIGMAANGFIVLVSYIEWIRSRKLSPTDRILIWLGLARLMWQAIVMLHVTMLSFSPHTYILKQIHFGVAMMWFFADTVNVCFAACLGVWYLTKIAVFSNPVFLQVKQRISGLLPWLLLGSVAFSAFMTMTMTVFAVSSSDITIRDPYKLLLNNSFGSEIQKPHSCMDLVFLRIVPTVIPSVIFLSSTILLSVSLWKHARHLQQNGIGGRDLNTNVHLSAIKALASFAILYLSSLVATNLQTVLVCRSNDGSWASVFFHNVSAAYPSGHAVVLILINPKLKQAWVRMIHHLKCLVSEATS

>Japanese\_Gecko\_Tas2r39

MVMMDRDLFSPLEVFFLIIFAIESMVSLLGNGFILAVCGHSWLRNKKMLPCDFLLTTLSLSRFLSQWVSTSSQFVHFSSPEMYIYSTAEQASAISWNYFNTASLWCATWLNVFYCVKVTNFPHPLFAWLKLRIGALVPRFLGISLLAFIILSIHPLMRYFEDEKCHNLTGYLPENTSQKEAHDINCVRFLIALQISSIGISFSICLTASVVLLLSLWRHKQNLKKGGLSTKDFSTQAHLSIMKPLLLSLFFYILHFAATILALTNSFKYGKIEQLICEIFQFSYPSAHSVILIVTNPKLRKACTHVLNLRRHTS

>Japanese\_Gecko\_Tas2r4

MEVSVFMIISYILLVIETLVGLVANGFIVLMNYFDWSRSRKLSPYDQILTCLGFSRLAWLAVVILGTTMDCFSMGQHTCHYAYLMPPILWMFTNSATIWFATWLSVFYLAKIATFSHPVFLQVKLRFSGLVPRLLLGSVVFSAIMAITSLSNGFSMCDFDKSLLNISDSEINFTDSYAYIDFLAAAPTLIPLIIFLPSSILLMASLWMHRRRMQCNGIGIQDLSTQAHLTAIKALASFALLYLSCFSALIAQAVLISNNMSDTWLFMLLNNVAVSSPSGHAVILILINPKLKQRWVRMLLHLKRCSSEVPS

>Japanese\_Gecko\_Tas2r40

MMVMMERDLFPPLEVFFLVVFGIESIVSLLGNGFILAVNSHSWLRSKKMLPCDFLLTTLSLSRFLLQWVSTSSQFVYFSSPETYIHSEKRQAFLLPWVYLNTASLWCATWLNVFYCVKVTNFPHPLFSWLKLRIGALVPRFLGISLLAFIICSIPPVLRSFENEKCCNLTGYLPENTSQKEAHDSLRFLIMLQISSTAISFSICLTASVVLLLSLWRHKRNLKKGGFSTKDLSTQTHLSVMKPLLLSLFFYILHFAATILAFNDILRYGKLQHLISDIFLSSYPSAHSVILIFTNPKLRKVCTYVLNLRRSTS

>Japanese\_Gecko\_Tas2r41

MVVMDRNLFSPLGVFFLIVFGIESMVSLLGNGFILAVCGHSCLCSKKMLPCDFLLTTLSLSRFLFQLVSMSSQFWFFSSPETYIDSETEHAFALFWHYLNIAILWCATWLNVFYCVKVTNFPHPLFAWLKLRIGALVPRFLGISLLAFIICSIPPVLRSFENEKCCNLTGNLPENTSQSEAHPRYSRMFLKTIQIYFTAMNFSICFTASVVLLLSLWRHTRNLKKGGLSTKDLSTQAHLRVMNPLLLSLFFYILHFAAMILGLANVFEFGKLERLISDIFLSSYPTAHSVILIFINPKLRKACTHVLNLRRSAS

>Japanese\_Gecko\_Tas2r42

MGSNSDCGSTTGDLFDILFGTILLFGRTCVDVFILTVNGRDWMEEKCLSTTDRILTLQGSIRICLGYMNLIWHILEKFCPWITRIGYVFKAFMFIFWYLMSCNIWLTTSLCTYYCVKIADFSHPFFVHLKLRLSGLGSTWLLGSAILSLASTLPFAYIDLEIRDNSNSSNFSQNKNETDSHTGMAFRMYVLLGLGTFAAFSICAISAVLLLFSLWRHRQRMLGSWGGHRSPQTDAHFQAVITIFSLLVNNVAVFIAILVFLSRVFEGNSISQLGPSVVLYCCFLVESLVSVWGNKKLKNELRRSLHFAKCRGCVS

>Japanese\_Gecko\_Tas2r43

MATLLSITGFALLLMETLVGMVANGFIVLISCTEWIRSRKLSPTDLILTCLGLARFAWQAIVILDATMYSFFLRIYLLNYVRLVLTIVWLFTYNVSLWFAAYLSILYFVKITTFSHPLFLRVKQRFAGMLPWLLLSSVAFSAFMTMTIAVTTVFSSDLTICDPYQLFLNNSYNSGMQRPYLCRKLVIAVTAPTFILSVIFLSSTILLIISLWKHTRHLQHNGISTNDLNTGVHLSAIKVLASFVVLYLFSLVAINLQVLLVWRRINRPWTDVLFQTMSAVYPSGHAVALILMNPKLKQAWVRMIHHLKCHVSEAPS

>Japanese\_Gecko\_Tas2r44

MASLFFILALTLLVMETLVGVVANGFILLINGIDWFRSRKLSPTDLTLCCLGLSRLAWQVVGFLDAIMFFFFLSTYLSNSIQLMFLVLSIFTHAADIWFATWLGVLYFVKITMFSHPVFLRVKQRFSGLVPWLLLGSVVFSAVLTMSIITALNYDASICNPYKSRLSNSNDSGIKMPHFCRNVTILATAPHFVPIVIFLSSTTLLIASLWKHTRRVQHNGTGTKDLSTQAHLTAIKALASFLILYLSSFVAVTLQSLVTWRNDNGSWISVLFHNVIAAYPSGHAVILILINPRLKQAWVGMLHHLKCRLREVPS

>Japanese\_Gecko\_Tas2r45

MEVSVFMVISSILLVIETLVGMVANGFIVLMNYIDWFRRRKLSPNDQILTCLGLSRFSWLAVVFLDITKGFFSKDKHNCHYVYLMLHIGLIFAKTATIWFATWLSVFYLAKIATFSHAVFLQVKLRFSGLVPWLLLGSVVFSAIMAISLVTSLSNGFSMCDSNKSLLNVSDSGIKLPDLYMYIDFLATAPNLIPLMIFLASSILLMTSLWMHKRRMQSYGSGIQDLNTQVHLTAIKALVPFTVLYLSCFLAVIAQGVLIWNDMSDTWLFMLLSNVAVFSPSGHAVILILINPKLKQAWVRMLLHLKCCSSEVPS

>Japanese\_Gecko\_Tas2r46

MYNFLRRITFTLLVIETLVGMAANGFIVLINCIDWFRTRKLSPNDLILSCLGLSRLAWLVVMTLDRTKVFFSLGNHIWDTHVMPPIVWIFTNSANIWFATWLSVFYLAKIAIFSHPIFLQVKQRISALVPWLLLGSVIFSAMTAVILMTSLNNGFAMCNPSNDSEIKEPDSWKYLDILGMAPNLIPFLIFLSSTILLISSLWKHMRRVQSNGTGTGDLNTQAHLSAIKALASFAVLYLSSFLAITSQAVLILNNMDHSLPVRLLDLVVAAYPSAHTIILILINPKLKQAWVRMLHPLKCCLREVPT

>Japanese\_Gecko\_Tas2r47

MATIFMRITFTLRVTEILVGMVANGFIVLINCIDWFRSRKLSSNDLILTCLGLSRLAWLVIMILEGMENFFSLGNRVWNDAHPMPPIMWIFTNSANIWFATWLSVFYLAKIAIFSHPIFLQVKQRISALVPWLLLGSVVFSAMTAVILMTSLNNGFSIRSPANDSESKKPGCSNYVGILTVATNLIPFLIFLSSTILLITSLWKHIRHVQCNGIGVRDLNIQVHLTAIKALASFAVLYLSSFLAIISQEVLIKNNMDHSWSVRLLDLVVAAYPAGHTIILILINPKLKQTWVRMLHHVKCCEGPS

>Japanese\_Gecko\_Tas2r48

MATLLLITGFALLIMETLIGMVANGFIVLFSCIEWTRSRKLSSTDLILTCLALARLAWQAIVILDVTMYSFFLRTYLLNHVFLMISMVWFFTYNTNLSFAACLSILYFVKITTFSHPLFLQVKQRFSGLLPWLLLGSLAFSAFMTMTITVITVSSRGLTFCDPYKLLFNNTFDLEIKNDRPCTDFAISVVVPNVIPSVIFLSSTILLIISLWKHTRHMQHNGISTTDLNTSVHLTAIKTLTSFAILYLSSSVAINLQILPAWRIIDRSSTNVLLEAMSAVYPSGHAVVLILINPKLKQAWVGMMHHLKCHESEAPS

>Japanese\_Gecko\_Tas2r49

MATLLSITGFALLIMEILIGMVANGFIVLISCTEWIRSRKLSLTDLILTCLGLSRLMWQATVTLQVTMLSFFLRTYLLTHVYLVINMVWFFTYIINLSFAAWLSIMYFVKITTFSHPIFLQVKQRFSGLLPRLLLSSVAVSAFMTVTVAVITVSSGGLTICDPYKLFLNNSYNSDIKRPHLCRQLFITVIAPNFILSIIFLSSTILLIISLWKHTRHLQHNGIITKDLNASVHLTAMKSLASSAILYLFSFVAINLQSILVLRSINHPWTDVLFQTMSAVYPSGHAVVLILINPKLKKAWVGMMHHLKCHESEAPS

>Japanese\_Gecko\_Tas2r5

MEVLAFMIIGSILVIEALVGLVANGFIVLMNYIVWFRSRKLSSNDQIMTCLALSRFSWLVVVILNIMKHFFSMGQHTCIYAYLMLPILWIFTNTASIWFATWLSVFYLVKIATFSHPVFLQVKLRFSGLVPRLLLGSVVFSAIMAITSLSSSFSMCDSDKSLLNITDSGIKLSDLNTDFLATAPTLIPLMIFSSSTILLLASLWMHRRRMQRNGTGIQDLNTQVHLTAIKALASFALLGLSSCLVVTAQAVLIWNNMSDTWLFMLLSNVTVSSPSVHTVILILLNPKLKQAWVRMLLHLKHCSSEVPS

>Japanese\_Gecko\_Tas2r50

MMVAMDRYLLSPLGVFFLIIFAIESIVSLLGNGFILAVSVHSWLHSKKMLPCDFLLTTLSLSRFLLQWVSLSSRSMYFRSLLETYIYSKEQQAFGFLWVYLNTASLWCATWLNVFYCVKVTNFAHPLFSWLKLRIGVLVPRFLGISLLSFIICSIHPVVGYFEDEKCHNLTGYLPENISQREADDTNCAMLLNTLQMSFTAISFSICLTASLVLLLSLWRHTRNLKKGGLSTKDLSTQAHLRVMKPLLLSLFFYILHFAAMILALTNIFRYGKLEQLICEIFMALYPSAHSVILIVTNPKLRKVCSHVLNLRRSAS

>Japanese\_Gecko\_Tas2r6

MLCCVLLMGSVSIAAEERLLFSFVLRKMATLLSITGFVLLIMETLVGLVANGFIVFINCIDWYRSRKLSPTDLILICLASSRLMWQALVMLHVTMLSFFLHTYVLKRVHLIVMIMWFFTDTVNLWFAACLGVWYLTKIAIFSHPIFLQVKQRFAGLLPWLLFGSVVFSSFMTIINFTESFSGLATCDPYKLVLSNSSDSDIQKPHSCMGLVFLRIVSNFVPSVIFLSSTVLLIISLWKHTRHLQHNGTGVKDINTRVHLTAIKALASFAILYLFSLVAINLQSMLVWGSNDLSWTSVLFHNVSDVYPSGHAVILILINPKLKQAWIRMIHHLKCHVSEASS

>Japanese\_Gecko\_Tas2r7

MMVAMDRDQLSPLGVFFLIVFGIESIVSLLGNGFILAVNGHSCLCSKKMLPCDFLLTTLSLSRFLLQWVSMSSRYMYFSSPETFIYSKKHQALRFPWVYLNTASLWCATWLNVFYCVKVTNFAHPLFIWLKLRIGVLVPRFLGITLLAFIICSIHPVVGYFEDEKCHNLTGYLPENTSQRAAHDIKCFMLLNTLQMSSTGISFSICVTASIVLLLSLWRHTRNLKKGGLSTKDFSTQAHLRVMKPLLLSLFIYILYFAAMILIHTNMFRYGKLEQLICEIFMSLYPSAHSIILIFTNPKLRNVCTHVLKLRRSAS

>Japanese\_Gecko\_Tas2r8

MFSLRNITQEPGEPQFNSSCSHFRYFSPPMVVMDRDLFSPLGVFFLIVFGIESIVSLLGNGFILAVNGHSWLCSKKVLLCDFLLITLSLSRFLWQSVITSSQFLYFRSPETYIYSKEEQAFGYLWVYLNTASLWCATWLNVFYCVKVTNFTHPLFSWLKPRIGVLVPRFLGISLLTFIISSILPVLRSFEDEKCHNLTGNLPENTSQSEVHGTNCVMFLNTLHIYFTAISFSICLTASLVLLLSLWRHKRNLKKSGLNTKDFSTQAHLSVMKPLLLSLFFYILHFATMILVFNNIFRYGKLEQLIGEIFLCSYPSAHSVILIFTNPKLRKASTHVLNLRRSAP

>Japanese\_Gecko\_Tas2r9

MFSWQNIVQELEEPQFNSTCSHFLIFPMMLEMDRDLFSSLGVFLLGIFGIESIVSLLGNGFILAVNGHSWLRSKKMPPCDFLLTTLSLSRFLSQWVSLSSRCMYFSYPETYLYSKEEQAFNFSWFYLNTASLWCATWLNVFYCVKVTTFTHPLFSWLKLRIGVMVLRFLGISLLLFIICSIHPVVEYFEDEKCHNLTENLRENSSQREARGTNSLRFLNTLEIFFTAISFSICLTASVVLLLSLWRHMRNLKKSGLSTKDFSTQAHLRVMKPLLLSLFFYILHFAAMILLLTKTFRYGQLEQLICEIFVYSYPSAHSVILIFTNPKLRKVCSHVLNLRRSAS

>Speckled\_Rattlesnake\_\_Tas2r1

MSVSGVHNWLCLIIITAVTLVGMTGNGFIFLSDCHDWIRSKAPSGPGLLLMTLSLTRFIFLGIMLGFHCFSFLDINRPKYAGSVISFFWTFFNATTLWITTCLGVFYCVKIVNFSQPFLVKMKLRISSMVPHLLVAVVLVSLISALPFLWIDDHNQSDNAEGVRELRVQTFLFSILYTLGTFPSFVIFLISSGFLIYSLVHHMKRMQNSSVGFRDQRMDVHLKTTKILTSFLILYAATFAAEISMIFSPSPWTTVISNIVVSSYNSGHTVALIVMNSKLRGRLSKMFWCFRKQT

>Spiny\_Softshell\_Turtle\_Tas2r1

MFSIIIYFIILGMELIVGMIANGLMAVVNCLEWIRSRNVTCCDMILTSLGISRFFFQCMIIINSAIYNISLEDNAHLALMRTLAFISSFLNTLSLWLATWLSVFYCAKIANFSQPLFFWLKWRILGLMPQLLTGTFLVSFVTSLPSINSVNRKYVNNSVNNLLGNTTEEWTYYTNFFSGLSILYMLGHSFPFVIFIVSSALLLTSLWRHTKRMAKITSSCRDTVTQAHVKAIQGQLSFIFFHSSYFVAQVILFSGFFTNSISNSLWCIVIMAAYPSGHSVILVLGNPKLKKVAVRALHYARCRLRDEVS

>Spiny\_Softshell\_Turtle\_Tas2r2

MLTPVALIFLILLGLESLVSNFGNGFIIVVIFSNWIKSRKLASCEHILICLSISRFLLQWLVMLSNFIYISFPKTSALGCKHKAFGILWAYLNLVSLWCATCLSFFYSVKIANFTQPLFRWLKLRIAWLVPRLLLGSLIISLVSTIPLVWSDVGFDLCNSTKSLERNTTWNDAKDIPYIIFVPVQILVLIIPFIIFFVSSTLLLISLWKHTKKMKNNVTRFKDLSVEAHIGAMKSLLSFFILYIIYFVTVIVILTSSITSQNSVHLPYEVLLSAYPSGHPIVLILTNPKLKQVAVKILHQIKCQLREGTL

>Spiny\_Softshell\_Turtle\_Tas2r3

MMKNSLALSDIFYLIITAVELSAGVVANGFIVGLNCIDWAKSRTMTSYDMIITSLAFSRFCLQFLVSSDNFLHILYPDVCDMVEIIMMMLVIWMFINHVSLCFASCLSVFYCVKIATFNQSFFTWLKLKLSRLVPWLLLGSLLYCLVTTVTFTFFSYFFMITSHICPYRPSRNITIPEKEKNLTTFVFLIHGVGSIFPLILFIASSLLLIISLCRHIRKMDLNSDLNPSFRNSRTDAHVSALKSVLSFFIIYNIFYVASTLSIGTGSYFSAQWKIMLCTLVVAAYPSVHSFVLILVNPKLKLASARILHSANCCFREVTS

>Spiny\_Softshell\_Turtle\_Tas2r4

MEDIDYNIEQEDDITIPRIIMLVILVAEAFVGMWINSFIVATNCFQCVKHRGLSSSDNILTVVAFSRFCILLETTLQTFCSTFYPEIYYMDSVFQAFRAVTWFLNSSNQWFAACLGVFYCVKIANFSHPLFISLKFKISRLVPWLLLVSVLFSLFSSLPFLNTLYKIRYNDFNSSLKRTYPMKNVTVETSVSHVLFICGTGFSTAFTIFIISAFLLWFSLWRHTRRMQNNSRCFRSPCVEAHIQAMKAIMSFLLINVVNFIALLILLTNTLEETSVMGIACTIIIDACPSVHSIVLVLSNSKLKTTLIKVLHYAKCKG

>Spiny\_Softshell\_Turtle\_Tas2r5

MLSAIIIALIVLGIELIIGSIANGPMIVVNCLEWIRSRKLTRCDMILTSLGISRFLLQCMIFVNSIVLQLLQDINRSCNTSSHFFVVWMYLSTLSLWFATWLSVFHCVKIATFSQPLFLWLRQKIPGLLPQLLLSSLLISLLTCFPSVNTVYRNSSMNNLSGNTTVECKCVIDLFSGLSMFSIVGFYSPFIIFIVSSALLITSLWKHSKRMRKAMSSSKDTITEAHVRAIKGLISFIFFLQFIFCSTSHIFDRIIQQRPLFLVVVGSDNGCLSLWALCYPCAGESQTEKGSSEGFALCPVQAER

>Timber\_Rattlesnake\_Tas2r1

MSVSGVHNWLCLIIITAVTLVGMTGNGFIFLSDCHEWIRSKAPSGPGLLLMTLSLTRFIFLGIMLGFHCFSFLDINRPKYAGSVISFLWTFFNATTLWITTCLGVFYCVKIVNFSQPFLVKMKLRISSMVPHLLVAVVLVSLISALPFLWIDDHSQSDNAEGVRELRVQTFLFSILYILGTFPSFVIFLISSGFLIYSLVHHMKRMQNSSVGFRDQRMDVHLKTTKILTSFLILYAATFAAEISMIFSPSPWTTVISNIVVSSYNSGHTVALIVMNSKLRGRLSKMFWCFRKQT