

Table S1 Venomous species of Persian-Gulf, their toxin sequences, and the number of encrypted short fragment (10mer, 15mer, and 20mer) cell-penetrating peptides (CPPs) in each toxin

Species	Toxin name	Accession number	Protein sequence	CPP (10)	CPP (15)	CPP (20)	sum
<i>Stichodactyla haddoni</i>	KappaPI-stichotoxin-Shd2a	B1B5I8	MAKLYFLLCLALVACLTIMATEEMPALCHLQPDVPKCRGYFPRYYNPEVGKCEQFIYG GCGGNKNNFVSFEACRATCIPL	2	0	0	2
	Delta-stichotoxin-Shd3a	B1B5I9	MAYLKIVLVALMLVLGVSAMRLSDQEDQDVSVVKRAACKCDDDGPDIRSATLTGTV DFWNCNEGWEKCTAVYTAVASCCRKKKG	4	0	1	5
	Kappa-stichotoxin-Shd5a	E2S062	MKFQVIAAVLLIAFCLCVVVTARMELQDVEDVENGFQKRRSCIDTIPQSRCTAFQCKH SMKYRLSFCRKTCGTC	7	5	1	13
	OMEGA-stichotoxin-Shd4a	B1B5J0	MASFRTLACVVILCCVLWSSMARYGEDMEVETEMNKRDEGVRCTGQHASSFCLN GGTCRHIASLGEYYCICPGDYTGHRCDQKSG	0	0	0	0
<i>Chironex fleckeri</i>	Toxin CfTX-1	A7L035	MVKMLFFAFLPLLFMTGIAAESTISSGLNSLTKIDAKMPSGKQLFDKVVEMQKQIDA KFSNDDERAKVMGAIGSLSTAVGKFQSGDPAKIASGCLDILVGISSVLKDFAKFSPIFSIL SLVVGLFSGTAAEESVGSVVKAVQEQSDQELQEALYGVKREYAVSKAFLDGVRNETS DLSPTESALAANVPYIQGVRFIAMVVQRIKYPKTESEIKRMLTMLELFTDLCSLRDLI LLDLYQLVATPGHSPNIASGIKEVSNLGREEYKVFEDLLKNDKETYFLSYLYPREKN EQSRKIFNFFDLMKVKYDDRLKQDLTGKIFSNVHWPNYFMCSSNDYLALICTKPYGS LKLDKLDNGYYSIKTTQHDPKICHRYGNYILFTHKRNDLEKFNFPVVKLEKREIYLLSSK ESPNKFAYVPQNADGALFFVDGIPSKVGYGNQGYFTLVE	8	2	1	11
	Toxin CfTX-2	A7L036	MILVSLPLLFMTGIAESTISSGLASLKAKIDIKPTGKQLFDKVKSMQALENKFSD DERAKVMGAIGSLGTAGKFQSGDPASIASGCLDILVGISSVLKDFAKFSPVFSILSLV GLFSGTAAEESVSVVTKAIQEQSDQELQEALYGVKREFAVSKAFLDGVRNEESDLRPT EVSALAANIPVYQGVRFIAMVVQRIKYPKTESEIKRMLTMLELFTDLCIRDILLLDLH QLIATPGHSPNIASGIKEVTSLGREEYQRFEDLLKTDEETFLSYLYPKEKNEQSRKI FKFFDLIEVKYDDRFLDLGGQALSTLQWPNYYLCPHNDYLANNCHDLRVGLKLEKL SDGFYTIKTYGRDPRTCWTDYVKISSTSNGELEKFSFVPVQVKGQKAYLLSTKKWP HNFAYSQKTANGLLSILKDVPSKLGYNQGGFTISTYSNPKNRHA	14	9	2	25
<i>Acanthaster planci</i>	Plancitoxin-1	Q75WF2	MPSSVIMFTFLALTAVMVGTEAVSCMDNKNKPVDFWFIYKLPQDSASSKPVIR EGYGQMYMDVNNQALKFSSTSLKDDHAIAYTVDDIYNHKGKGNLAHVMYNDQP PAGEEIQSGLVGHTKGVLAFDGTSGFWLVHVPKFLPASKSYNWPDNAKRNGQTL LCITFKYDQFEKIGQQLKYNYPGVYDSLDPSKLVGKTPSIVDLVKNVHVTSPPWNRQL NLQSKSGQTFFVFNKASKWGEDLYKNWLATHFKSGLYCETWQNGGRNLNSSCEAG LNVYNVKKVSLSGGSDFKGTDHSHKWAHTTKSGLKWTIGGINRQTSQMYRGGGA VCLENANVHKAFYDSVAEYEPCT	1	1	0	2
<i>Pterois volitans</i>	Pvtoxin-b	F2ZAF1	MSSQILVVAALGRPFTLGTLYDARKVRLIPGFTLWEDDVQANTVESRQPSSAFEIIAS DSIEDKSSLMIDIEASLKASFLGGLVEVGGSAKYLDRRKKFNQSRVTLQYKATTSFKQL MTNLETKHVEYSEYFQNL EATHVFIGILYGANAFFVFD SAKTESSNVQDIQGSMEAAI KKIPSVEISGKGEVKLTSEDSAITSGFSCKFHGDFFLPSNPTTFEDAVQTYQQLPQMM	22	14	1	37

			GKENAVPMTVWLVLVNFYSEAPKLMADSSTPILRKVRNTLEAMRELEMRCNDALE DNTVKLFPLIEKKLNNFNFFGDYMLNLRRTIAEKLQSIRSGSENEAMLQLFQENLKS PFNIDSLNMWMDCAEREINVLRSCIDIIEARHKVVLSESEMFRELLDPNVKHAVCYV FTFVTDQDPFLNVLSDFLDSPTSKPKLRPSTKDYWYISDDIPEMMRAKAHHFRNLAL DMDNRCVRFLVASIGNPKQEGAGIHYYREGIJIIDEFTKPWIPPVETIQDRRELLWCD CELTLDPDTAQPALTSEGNNKAVSGTAKPFDNQRRFQCYQQVLCNKGLSRRHYW EVEWSGYVRAGVTYKGISRRWTWNQDSSLGHNKISWVFDYFPKSGYNHIFDAKKTKV NVSSPGFKKLGILDWPAAGTLSFYMVDTIWVTHIHTFKARFQEAFFPAFLIGHGPDNG QIKLL				
	Pvtoxin-a	F2ZAFO	MSSEILVVAALGRPFTLGALYDSRKDRLIPGFTLWEDDVLQANTVESRQPSSAFEIIASD SIEDKSSLMIDIEASLKASFLGGLVEVGGS AKYLD DRKKFKNQSRVTLQYKATTSFKQLM TNLETKHVEYSEYFQNL EATHV VIGILYGANAFFV FDSAKTESSNVQDIQGSMEAAIKK IPSVEISGQGSVQLTSEDSAITDRFSCFHGDVLLPSNPTTFEDAVQTYQQLPQMMGK ENAVPMKVWLVLPLVHFYSEAPKLMADSSISILRRVRNTLEAMRELEMRCNDALEDNT VKLFPLMVKKLNNFQNLFGVYMSNLRRSIAEKLQSIRSGSEDQSAMLQLFQENLKSPF NTDSLNMWMDCAEREINVLRSCIDIIEARHKVVLSESEMFRELLDSNVKHAVCYVFT FVTDQDPFLKVLTDYLDSPDSRPKRTRPPATEYWYASDTIPEMMMRDKAHIFYNLAKE MDNRRVRFLVASIVNPKQEGAGIHYYRENILIEQEFQPKMNPVEKIVDRRDLWCD CELTLDPVTAHPALTSEGNNKAVSGKPKPSDNNPERFEHFQYVLCKKQLIRRHYWEIK WSGFVGAGVIRNSIHPKSSQVDSSLGGS DKS WVF EYNPNTGYRQIFKNTPENNVSS TGFDRLGYYLDWLGGTLSYMINNNFVTHLHTFHTLFKEAVYPAFMIGDKQNVHGEI ELL	29	14	1	44
<i>Scorpaena plumieri</i>	Cytolytic toxin-alpha	A0A2P1BRQ0	MSSDIIMAGLGRPFTLGFLYDARREKLIPGFSLFGDETLQKYATSTPQHSSDFQIVASDS VESKSNVMDIEASLGVSFLGGLVEVGGS AKYLNNTKKYQNNQSRVTLQYKVTTTFKQFK APPGKVVNQQT AISDKNVATHVVTAILFGANAFFV FDS DKVEDSNLQDIQGKMEAVI KKIPSVSIEGSGSVQLTDEEKS LASNL SCKFHGD FLL ES LPTTFEEAVMTYQKLPELVGEE ASDGVP MKVWLVLPLTRFYSKADLLVRDISQGLVRKVHSILEDLHKLKRRANDSLEDDT VKLFPLLEKKLKNFQKNYS DYMTTFRRTISQKLSIRKGD EDETAMLQLFEDRLRSPFN IDSLNMWMEITEREINVLRSCIDIIEETKHKAVLSQSQMVKDLLDSEVMHAVCYVFTY VTDKDHYLDALRDYLSKPSNRPARVRPVVTVWASNTVLETMREKAHLFRSLAKDME NRCVHFLVASIVNLKVEGAIIHYYRESVLIENFKHPIISAVEKIVDRRDLWYDCELTL PNTSHPSLYLSEGNNKAVTGT LRAFDNNPERFGLWQQVLCNKGLSRRHYWEVEWN GYVIVGVTYSIGRKNIDIQSFIGFSETSWTLMFIPKNGVAVKGARRSVSYFISDLAAPP LGLYHDCHASTLSFYKVS DNVLNHFHTIEIKPLSEPVYAIIRIGDEDRPYHGTVRLL	18	11	7	36
	Cytolytic toxin-beta	A0A2P1BRP3	MPSDILVVAALGRPFTLGALYDARKDKLYPGFTLWEHEVLEESTVESDQPSSTFEITAS DSIDDKSSLMIDIEASLKASFLGGLIEVGGS AKYLN DTKKFNQSRVTLQYKATTSFKQL MTNLETKHVEYSEYFQNI EATHV VIGILYGANAFFV FDS DKVDSSNVQDIQGSMEAVI KKIPSVSIEGSGSVQLTSEESDITNSFSCFHGD FHLPSNPTTFEDAVKTYQQLPQMM GKETAVPMTVWLVPMTNFYSEAPQLMADSSTPILRKVRNTLEAMRQLDMRCNDSL ERRHSEAGFHCLKKKLKT FQKH YERLHVNPFRKNHFPETFSPSGKGT KMKLQCLPTFR NKL RSPSNINSLNMWMDCAEREINVLRSCIDIIEAKHKVVLSSQSMARELDDSEVKH AVCYVFTYVTDYDPFLNALSDFSKSIKPKKYSKPKDYWYTSDDVPEMMREKAHHFY	30	12	3	45

			NLAKDMENRCVRFLVASIVNPKEEGAAIHYYREGIQIINDFSNPRIPPVETIQDQESYS GMTVSSPWKETAHPALHLSEGNKKAMSGKPQPSDNNPKRFDHYQVLCNKGLSKR HYWEVEWCGYVRAGITYKGIQRKTFASECSLGHDTMSWVFDYYPKSGYHHIYNKK VRVKVASPGFDRLGYYLDWPAGTLSFYMVTSTWVTHLHTFSIRFNEAVYPAFLIGHG QKNANGQIKLKGE				
<i>Synanceia horrida</i>	Stonustoxin subunit alpha	Q98989	MSSDLVMPALGRPFTLGMLYDARREKLIPGFSLFGDETQKYQSSNAQRSSEFKIVAS DSTESKSSAMDIEASLGVSLGGLVEVGGS AKYLNNTKKYQNSRVTLKYKATTYKQ FTAPPGTVTVQETAITEKGLATHVVTISILYGANAFFVSDSKVEDTNLQDIQGKMEAA IKKIPTISIEGSASVQLTDEEKSLASNLCKFHGDFLLESPTTFEDAVKTYQTLPTLIGED GANSVPMKVWVLA PLKSYNSKAQQLIQEINVSKVRRRIHTTLEELHKLRRANEAMDVK LVQRIPLIHDKISNFQQIFQDYMLTVQKKIAEKLPLVRAGTESEQSLQKIIDDRAQSPFS NEKVS KWLD AVEREIAVLKSCAGMVEGTQAKFVSNQTELDREV LVGKV KHAVCFIT SVERNDPYLKVLS DYWESP SNNAKDVAPSTEDKWC FSTE VVLKMQQRAQTFCDHV NDFEKS RNVGFFITALENGKFQGASIYYYKEGSLATQDFTFPRMPFVQGYKKRSDLLW YACDLTFDRNTINN WISLSDNDTFAASEHGKRQNYPKHPERFVSFNQVLCNEGLMG KHYWEVEWNGYIDVGIA YISIPRKEIDFASAFGYNTYSWVLSYNPKIGYIERHKKREYN VRAPNPGFKRLGLFLDWRYGSISFYAVSSDEVHHLHTFKTFEPVYPAFSIGPAGNH GTLRLL	30	10	8	48
	Stonustoxin subunit beta	Q91453	MPSDILVVAALGRPFTLGMLYDARNDKLIPGFTLWEDEVIEESTLESSQPSSAFEIIASD STDDKSSLM D IEASLKASFLGGLVEVGGS AKYLNNTKKYQNSRVTLQYKATTSFKQL MTNLGTHKHEVSELFENIQATHVVGILYGANAFFVSDSNKVDSTNVQEIQQQMEAVI KKIPSV EISGKASVQLTGEETDITNSFSCFEGHGDFFLTNPTTFEDAVKTYQQLPQMM GKDNAVPMTVWLVP MVNFYSEAPQLMADSSTPILRKVRNTLEAIVQVQMRCDAL DDPTVNLFTEVQKKLSDFQKICDDHMSKLQATIAKKLFAIRSGDEDESALLNLFENLQ SPFNIESLNMWMEFEEREINVL RSCMDILT KAKPKVIFNQGVLFKGLYDSKV KHALCY VFTNVTKNDVFLNVLNEFLDSPQSRPKLRPSPKDYWYSYDDIPETMREKAYLFRNLA KEMNNRCVHFFVTAIHNPKQEGAGIHYYRESIQIIDEFTKPYMPGVESIKDRRELQWY DCELTDPETAHQVLT LSEGNKKAVSGNTKSPTDHLEKFSHFQQVMCTKGLSGRHY WELEWSGYVGAGV TYKGIGRKTSTSDSSLGKNEKSWLFEYSTKSGYQQIHNSKKTRV TVSSTGFKLLGVYLDWPAGTLSFYMVNKA WVTHLHTFHTKFNEAVYPAFLIGDAQQK VNGQIKLL	22	14	4	40
<i>Synanceia verrucosa</i>	Neoverrucotoxin subunit alpha	A0ZSK3	MSSDLVMPALGRPFTLGMLYDTRREKLIPGFSLFGDETQKYQSSNTQRSSEFKIVAS DSTESKSSAMDIEASLGVSLGGLVEVGGS AKYLNNTKKYQNSRVTLKYKATTIYKQF TAPPGTVKVQETVITQRGLATHVVTGILYGANAFFVSDSKVEDTNLQDIQGKMEAV IKKIPTISIEGSASVQLTDEEKSLASNLCKFHGDFLLESPTTFEDAVTTYQTLPTLLGED GASAVPMKVWVLP LKKFFSKAKLLTQEITVSKVRRRIHTTLEELYKLRRANEAMDDKL VQQIPLIHDKISNFHQIFQDYMLTVQKKIAEKLPLVRAGTESEQSLQKIIDDRAKSPFSN ENVSTWLEVI ERIAVLKSCAGMVEGTQAKFVSNQTELDREVL AEDVKHALCFVFTSV ERNDPYLKVLS DYLESPDSKDGKEAVPSTEDKWC FSTRVVLKMKQRAQTFCDHV NDF EKS RNVGFFVTALENGKFQGASIYHYKDGSLATQDFTFPRMPFVQGYKKRSDLLWYA CDLTFDRNTINI WVLSLSDNDTFAASEHGKRQNYPKHPERFLCYNQVLCNEGLTGKHY	25	11	3	39

			WEVEWNGYVDVGVAYISIRKEDNWVSAIGHNTCSWVFSSIPRAGYVERYNQRY VTVPTPGFKQLGVFLNWPDGSLSFYAVSSDEVHHLHTFKTKFTEPVYPAFCLGYRFDH GTVRLL				
	Neoverrucotoxin subunit beta	A0ZSK4	MPSDILVVAALGRPFTLGMLYDARNDKIPGFTLWEDEVIEESTVESSQPSSAFEIIASD SIDDKSSLMDIEASLKASFLGGLVEVGGS AKYLNNQKFKNQSRVTLQYKATTNFKQL MTNLGTHKHEVESELFENIQATHVVIGILYGANAFFVFDSDNKVDSTNVQEIQQQMEAVI KKIPSVESGKASVQLTSEETDITNSFSCEFHDGDFLTSPNTTFEDAVKTYQQLPQMMG KDNAVPMTVWLVPVMVNFYSEAPQLMADSSTPILRKVRNTLEAIVQVQMRCNDALD DPTVNLFTFVQKKLSDFQIICDDHMSKLQATIAKKLFAIRSGDEDESALVNLFEENLQS PFNIESLNMWMEFEEREINVLKSCMDILTAKPKVIFNQGVLFKELYDSKVKHGLCYV FTNVTKNDDFTVLNDFLDSPQSRPKLRPSPKDYWYSYDDIPEMMREKAHLFRNLA KEMNNRCVHFFVTAINNPKQEGAGIHYYRESIQIIEFTKPHMPGVETIKDRRELQWY DCELTLDTETAHQVLTLEGNKKAVSGSTKSPADHFEKFSHFQQVMCTKGLSGRHYW ELEWSGHVSAGVTYKISRKTSTPDSSLGKNQKSWVFEYTKKSGYQQIHNGKNARVT VSSIGFKQLGVYLDWPAGTLSFYMVNKA WVTHTLHTFKFYEAVYPAFLIGDAQQKV NGQIKLL	25	14	5	44
	Verrucotoxin subunit beta	Q98993	MPSDILVVAALGRPFTLGMLYDARNDKIPGFTLWEDEVIEESTVESSQPSSAFEIIASD SIDDKSSLMEIEASLKASFLGGLVEVGGS AKYLNNQKFKNQSRVTLQYKATTNFKQL MTNLGTHKHEVESELFENIQATHVVIGILYGANAFFVFDSDNKVDSTNVQEIQQQMEAVI KKIPSVESGKASVQLTSEETDITNSFSCEFHDGDFLTSPNTTFEDAVKTYQQLPQMMG KDNAVPMTVWLVPVMVNFYSEAPQLMADSSTPILRKVRNTLEAIVQVQMRCNDALD DPTVNLFTFVQKKLSDFQIICDDHMSKLQATIAKKLFAIRSGDEDESALVNLFEENLQS PFNTESLNMWMEFEEREINVLKSCMDILTAKPKVIFNQGVLFKELYDSKVKHGLCYV FTNVTKNDDFTVLNDFLDSPQSRPKLRPSPKDYWYSYDDIPEMMREKAHLFRNLA KEMNNRCVHFFVTAINNPKQEGAGIHYYRESIQIIEFTKPHMPGVETIKDRRELQWY DCELTLDTETAHQVLTLEGNKRQCRGVRVTRSLREFSHFQQVMCHQGAEWTPLL GVRVAGHVSAGVTYKISRKTSTPDSSLGKNQKSWVFEYTKKSGYQQIHNGKNARVT VSSIGFKQLGVYLDWPAGTLSFYIGQQSLGDSSPHLPHQLRGCLSSLPDWGCTTESQ WSN	37	22	8	67
<i>Dendrochirus zebra</i>	Tx alpha-subunit (Fragment)	A0A068BGX9	MSDDLVMALGRPFTLGMLYDARKEKLIPGFSLFGEDELQQYESSKSQRSSAFEIVASD SIESKSSVMDIEASLGVSFLGGLVEVAGSAKYLNDSKKYQNSRVTLKYNATTTYQQFT APPGTVKVQQTATEKRLATHVVTGILYGANAFFVFDSDKVEDSNLQDIQGMEEAIR KIPTISIEGSGSVQLTDEEKSASNLCKFHGDFILEALPTTFQDAVKTYQKPELLGEEG TDAVPMKVWLVLKFFYSQADLLVRDISAGRVKKIHSIVEELFVLRRCNEALDDKLV QQLPLIYDRVNYFQQLFQDYIHTVQQTIATKLPIREGTEDESSLEIAKDRAKSPFSNE KVSMWLDAIEREIGVLKTCARVMEKTQTKFVSNQTELDREVLAENAKHALCFVFTSM ESSDPYLRVLESELESPTAEISGNVVPSTTDMWYYSNGVILKMKQKAQFTDFADTVK NRRYVRFLAAAITNGKYQGASIIYYKEGSLETQDYTFPSLAPLETIKDRSDLLWYACDLT FDPNTAQENNVLSDDNKFALTGRSQNYSNHPERFTGIRQVMCKEGLTGRHYWEVE W	16	2	2	20
	Tx beta-subunit (Fragment)	A0A068BD83	MSSEILMVAALGRPFTLTGLYDARQDKLIPGFTLWEDDVQANTVESRQPSSAFEIIAS DSIEDKSSLMDIEASLKASFLGGLVEVGGS AKYLNDSKKFKNQSRVTLQYKATTSFKQL	16	4	2	22

			MTNLETKHVEYSEYFQNL EATHVVIGILYGANAFFVDSAKTESSNVQDIQGSMEAAI KKIPSVEISGKGEVKLTSEDSAISSGFSCKFHGDFFLASNPTTFEDAVKAYQQLPQMM GKENAVPMTVWLVLVHFYFKATKLMADSSLPILRRVHNTLEEMRQVEMRCNDALE DNIVKRFQJIRKVLNNFKKICNDYKLNLRQRTIAKKLLSIRSGEEDESAMLVSEENRRSP FNIDSLNKWMECKEREINVLACIDIIEEAKHQNVLSESEMFRELLDPKVKHAVCYVFT SVEDYDPFLNVLKDFSESPKMTVNIKKLQPPPNYYWYISDDIPEIMREKAHHFRNLAK DMNNRCVRFFVASILNPNQEGAGIHYYREGIQIIDFTKPQIPPVETIQDRRALLWYD CELTDPDTHAHPALTSEGNKKAVSGKPKPFDNHPERFEHYQQVLCNKGLSGRHYWE LEW				
	Tx gamma-subunit (Fragment)	A0A068BFX2	MSSQILMVAALGRPFTLTGLYDARKDRIPGFTLWEDDVLQANTVESRQPSSAFELIA SDSIEDKSSLMIDIEASLKASFLGGLVEVGGSAYKLDLDRKKFKNQSRVTLQYKATTSFKQ LMTNLETKHVEYSEYFQNL EATHVVIGILYGANAFFVDSAKTESSNVQDIQGSMEAA IKKIPSVEISGKGEVKLTSEDSAITDRFSCKFHGDFFLPSNPTTFEDAVKTYQQLPQMM GKENAVPMTVWLVLVHFYSEAPKLMADSSLPILRRVRNTLEAMRELEMRCNDALE DNTVKLFPLMIKKLNNFQNLFGDYMLNLRSSVAEKLQSIRSGSEDQTAMLQLFQENL KSPFNTDSLNMWMDCAEREINVLRSIDIIIEAKHKVVLSESEMFRELLDPNVKHAVC YVFTYVTDQDPFLNVLSDFLDSPTSKPKLRPSTKDYWYISDDIPEMMREKAHHFRNL ALDMNNRCVRFLVASIGNPKQESAGIHYYREGIQIIDVFNKPRIPPVETIQDRRELLWY DCELTDPDTHAHPALTSEGNKKAVSGTAKPFDNQRRRFERYQQVLCNKGLSRRHY WELEW	26	16	2	44
<i>Hydrophis hardwickii</i>	Short neurotoxin 1	P68416	MKTLLTLVVVTIVCLDLGYTMTCCNQSSQPKTTTNC AESSCYKKTWSDHRGT RIER GCGCPQVKPGIKLECCHTNECNN	2	1	0	3
	Cysteine-rich venom protein 1	Q8UW25	MIAFIVLLSLA AVLQSSGTVDFA SESSNKKDYRREIVDKHNALRRSVKPTARNMLQ MKWNSRAAQNAKRSADRCTFAHSPEHTRTVGKFRCGENIFMSSQPF AWSGVVQD WYDEIKNVVDGIGAKPPGSVIGHYTQIVWYKSHLLGCASAKCSSTKYLYVCQYCPAGN ISSIATPYKSGPSCGDCPSACVNGLCTNPCEYEDTFSNCKALAKTKCKTEWIKSKCPA TCFCHNKII	18	13	8	39
	Cysteine-rich venom protein 2	Q8UW11	MIAFIVLLSLA AVLQSSGTVDFA SESSNKKDYQREIVDKHNALRRSVKPTARNMLQ MKWNSHAAQNAKRSADRCTFAHSPEHTRTVGKFRCGENIFMSSQPF AWSGVVQA WYDEIKNFVYGIGAKPPGSVIGHYTQIVWYKSHLLGCASAKCSSTKYLYVCQYCPAGNI RSSIATPYKSGPSCGDCPSACVNGLCTNPCEYEDAYTNCNDLVKERKCQTEWIKSQCP ATCFCHNKII	9	5	2	16
	Alpha-elapitoxin-Lh2a	Q8UW28	MKTLLTLVVVTIVCLDLGDSLSCYLG YKRSQTCPPGEKVCVFKSWCDAFCGSRGKRIE MGCAATCPTVKDGIDITCCATDNCNTYANWGS	0	0	0	0
	Long neurotoxin 1	Q8UW29	MKILLTLVVVTIVCLDLAYTRTCFRTPYK PETCPPGQNL CYKKS WCDAFCSSRGKVIEL GCTAKCPTVKDGKDITCCATDNCNTVANWKS	5	3	0	8
	Long neurotoxin 2	A3FM53	MKILLTLVVVTIVCLDLAYTRTCYRTHPYK PETCPPGQNL CYKKS WCDAFCSSRGKVIE LGCTAKCPTVKHGKDINCCATDNCNTVANWKS	5	3	1	9
<i>Hydrophis ornatus</i>	Short neurotoxin 1	P68413	MTCCNQSSQPKTTTNCAGNSCYKKTWSDHRGTIIRGCGCPQVKSIGIKLECCHTNE CNN	0	0	0	0
<i>Hydrophis cyanocinctus</i>	Short neurotoxin 2 (Fragment)	P62376	PLLLTLVVVTIVCLDLGYTMTCCNQSSQPKTTTNC AESSCYKKTWSDHRGT RIERGC GCPQVKSIGIKLECCHTNECNN	2	1	0	3

	Short neurotoxin 1	P25494	MTCCNQSSQPKTTTNAECCSYKKTWSDHRGTRIERGCGCPQVKKGKLECCHTNE CNN	3	1	0	4
<i>Hydrophis schistosus</i>	Short neurotoxin 1	P68415	MTCCNQSSQPKTTTNAECCSYKKTWSDHRGTRIERGCGCPQVKPGIKLECCHTNE CNN	2	1	1	4
<i>Hydrophis platurus</i>	Pelamitoxin a	P62388	MTCCNQSSQPKTTTNAECCSYKKTWSDHRGTRIERGCGCPQVKSIGKLECCHTNE CNN	2	1	1	4
<i>Conus textile</i>	Conotoxin tx3c	P58846	MFKLGVLITICLLFSLNAVPLDGDQPADQPAERLLDDISFENNPFYDPAKRCCRTCFG CTPCCG	1	0	0	1
	Alpha-conotoxin TxID (Fragment)	K8DWB5	FDGRNAAGNDKMSALMALTRGCCSHPVCSAMSPICG	0	0	0	0
	Epsilon-conotoxin TxVA	P81755	MRCFPVFIILLIISAPCFDARTKTDDDVPLSSLRDNLKRTIRTRLNIRECCEDGWCCCT AAPLTGR	9	9	2	20
	Delta-conotoxin TxVIA	Q9U655	MKLTCCMMIVAVLFLTAWFATADDSGNGLENLFSNAHHQMKNPEASKLNKRWCK QSGEMCNLLDQNCDDGYCIVLVCT	5	1	1	7
	Alpha-conotoxin TxIA	P0DM21	MFTVFLVVLATAVVSFTSDRASDDGKAAASDLITLTIGCCSRPPCIANNPDLCG	1	0	0	1
	Conotoxin elongated-tx3a-a	Q9BH73	MLKMGVVLFIPLVFLPLATLQLDADQPVERAENKQLLSPDERREIILHALGTRCCSW DVCDHPSCTCCG	0	0	0	0
	Conotoxin Tx3.5-a	P0C1N7	MSKLGVLITICLLFPLTALPLDGDQPADQAAERMQAEQHPLFDQKRRCKFPDPS CRYLCCG	8	6	1	15
	Conotoxin tx9a	Q9GU58	MHLSLARS AVLMLLLFALGNFVVVQSGQITRDVDNGQLTDNRRNLQSKWKPVSLY MSRRGCNNSCQEHSDCESHCICTFRGCGAVNG	6	3	1	10
	Gamma-conotoxin-like TxVIIA	P24160	MEKLTILLVA AVL MSTQAMFQGDGEKSRKAEINFSETRKLARNKQKRCGGYSTYCE VDSECCSDNCVRSYCTLFG	8	7	3	18
	Conotoxin tx3h	P0C1N6	MLKMGVVLFIPLVFLPLATLQLDADQPVERAENKQLLNPDERREILLPALRFCCDSN WCHISDCECCYG	4	1	1	6
	TxMEKL-P2	Q9BPA9	MEKLTILLVA AVL TSTQALIQGGGDERQKAKINFLSRSDRDCRGYDAPCSSGAPCCD WWTCSARTNRCF	3	0	0	3
	TxMMSK-03	Q9BPJ7	MSKLGALLIICLLFPLTAVPMDGDQPADRPAERMQDDISFEQHPMFDA TRCCNA GFCRFGCTPCCY	3	0	0	3
	Alpha-conotoxin-like Tx1.2	P0DPL9	MFTVFLVVLATTVVSFTSGRSTFRGRNAAAKASGLVSLTDRRPQCCSH PACNV DHP EICR	7	5	0	12
	Alpha-conotoxin TxIB (Fragment)	K4RNX9	FDGRNTSANNKATDLMALPVRGCCSDPPCRNKHPDL CGGRR	1	0	0	1
	Conotoxin tx3b	P0C1N8	MSKLGALLITICLLFSLTAVPLDGDQHADQPAQRLQDRIPTE DHPLFDPNKRCCPPVA CNMGCKPCCG	2	0	0	2
	Textile convulsant peptide	P58845	NCPYCVVYCCPPAYCEASGCRPP	0	0	0	0
	Cysteine-rich venom protein	Q7YT83	MLSTMQTVGAVLMLSIVLVAGRKRHHCD SKYYELTPAHTMCLTDKPN AVAVPLTQE TEHEILEMHNKIRADVTDAANMLKMEWDERLATVAQKWAMQCILGHDSGRRGEP DLPGSVGQNVAWSSGDLTFLGAVQMWAD EIVDFQYGVWTDGTGHYIQV FAGAS	11	4	0	15

			RIGCGQSACGNKYYFVCNYYKGTMGDEPYQLGRPCSQCRSSCQHIRGSQGRWGSL CDCTNGPDACFNNGIFNINTCQCECSGIWGGADCQEKHCPNEDFDDMCRYPDALR RPQHWCQYDNFQSDCPILCGYCPNPN				
Conotoxin tx5c	P86259	KPCCSIHDNSCCGI		0	0	0	0
Conotoxin Gla(1)-TxVI	P58922	MEKLTILLVAAVLMSTQALVERAGENHSHKENINFLKRRKRAADRGMWGECKDGLTT CLAPSECCSEDCGSCSTMW	11	8	3	22	
Omega-conotoxin TxVII	P56714	MKLTICMMIVAVLFLTAWTFATADDSGNLENLFPKAHHEMKNPEASKLNKRCKQA DEPCDVFSLDCTGICLGVCMW	5	1	1	7	
Conotoxin Gla(2)- TxVI/A	Q9BPB1	MQKLIILLVAAVLMSTQALFQEKRPMMKIDFLSKGKTDAEQKQKRSCSDDWQYCES PTDCCSWDCDVVCSG	8	4	1	13	
Conotoxin 3	Q3YEH7	MRCLPVFVILLLLIASVPSDAVQLKTKDDMPLPSFNGNARRTPRMLSNKRICCYPNVW CCD	8	6	4	18	
Conotoxin Gla(2)- TxVI/B	P0CJ21	MEKLIILLVAAVLMSTQALFQEKRTMKKIDFLSKGKADAQKRKRNCSDDWQYCES PSDCCSWDCDVVCSG	11	4	4	19	
Omega-conotoxin-like TxO4	Q9XZL1	MKLTICVIVAVLFLTAWTFVTAVPHSSNALENLYLKARHEMENPEASKLNTRYDCEPP GNFCGMIKIGPPCCSGWCFFACA	1	0	0	1	
Conotoxin TeAr151	Q3YEE9	MRCLPVFVLLLLIASAPSVDAPKTKDDVPLAPLHDNIQNTLQTLRKKVCCRPMQD CCSGK	9	3	0	12	
Conotoxin Gla(3)-TxVI	Q9BPB4	MQKLIILLVAAVLMQAQAVLQEKRPKEKIFLSKRKTDAAEQKQRLCPDYTEPCSHAH ECCSWNCYNGHCTG	13	11	12	36	
Conotoxin TeAr154	Q3YEE8	MHCLPVFVILLLLTASGLSVDARPKTEDDVPLSSFRDNTKSTLQRLLKRVNCCPIDESCC S	6	7	1	14	
Omega-conotoxin	P28880	MKLTICMIVAVLLLTACQLITAEDSRGTQKHRTLSTARRSKSESTTRCRSSGSPCGVT SICCGRCYRGKCT	12	12	9	33	
Omega-conotoxin	Q9XZK2	MKLTICMIVAVLLLTACQLITADDSRGTTQKHRTLRSKTKLSMSTRCKAAGKPCSRIAY NCCTGSCRSKGCG	13	13	12	38	
Delta-conotoxin	Q9XZK5	MKLTICMIVAVLFLTTWTFVTADDSRYGLKNLFPKARHEMKNPEASKLNKRDCSSG GTFCGIHPGLCCSEFCFLWCITFID	4	1	2	7	
Omega-conotoxin	P28881	MKLTICVIVAVLLLTACQLITADDSRGTTQKHALRSDTKLPMSTRCKLKGQSCRKTSY DCCSGSGCRSGKCG	12	8	5	25	
Conotoxin Gla-TxX	Q5I4E6	MSGHTSVSFLLSIVALGMVATVICSDSEFSSEFCERPEESCSCTHTCCHWARRDQC MKPQRCISAQKGNRRRLIHMQR	8	3	2	13	
Contryphan-Tx	Q9NDA7	MGKLTILVLVAVALLSTQVMVQGDGDQPADRDVPRDDNPGGMSEKFLNALQRR GCPWQPYCG	3	0	0	3	
Conotoxin Tx6.6	P0DPM4	MKLTICMIVAVLFLTAWTLVMADDSNNGLANLFSKLRDEMEDPEGSKLEKDCQEK WDYCPVPFLGSRYYCCDGFCPSFFCA	0	0	0	0	
Conotoxin King-Kong 2	P18513	MKLTICMMIVAVLFLTAWTFVTADDSGNLENLFSKAHHEMKNPEASNLNKRCAFL HPCTFFFPNCCNSYCVQFICL	1	1	0	2	
Alpha-conotoxin S2	P28879	MGMRMMFTVFLVLVATTVVSFSPDRASDGRDDEAKDERSDMHESDRNGRGCCC NPACGPNYCGGTSCSRTL	0	0	0	0	

	Alpha-conotoxin S1	P15471	MGMRMMFTVFLVLVLTAVVSPDRASDGRDDEAKDERSDMHESDRKEICCNPA CGPKYSCGR	0	0	0	0
	Conotoxin King-Kong 1	P18512	MKLTCMMIVAVLFLTAWTFATADDSSNGLENLFSKAHHEMKNPEASKLNKRCIEQF DPCDMIRHTCCVGVCFMACI	1	1	0	2
	Leu-contryphan-Tx	Q9NDA6	MGKLTILVLVAAVLLSAQVMVQGDGDQPADRKAVPREDNPGGASGKLMVLRPKK CVLYPWCG	3	1	0	4
	Conorfamide-Tx2	P0DM27	MSGRGFLLALLLVTEATRVEKKHSGILLAWSGPRNRFVRIGRRDMQSPLLSELR RALGFRQPSSQKQ	8	6	8	22
	Delta-conotoxin TxVIB	P24159	WCKQSGEMCNVLDQNCDDGYCIVFVCT	0	0	0	0
	Alpha-conotoxin-like Tx1	Q9XZK6	MGMRMMFVVFLVLVLTAVVSSSGRRAFHGRNAAKASGLVSLTDRRPECCSDPR CNSSHPELCGGRR	6	4	0	10
	Omega-conotoxin-like TxO1	Q9XZK8	MKLTCVVIVAVLFLTVWTFATADDSSNGLEKLFSSNAHHEMKNPEASKLNERCLDAGE VCDIFFPTCCGYCILLFCA	0	0	0	0
	Omega-conotoxin-like TxO6	Q9XZL3	MKLTCVVIVAVLFLTAWTLVMADDSSNGLANLFSKSRDEMEDPEAAKLEKNYCQEK WDYCPVPFLGSRYCCDGLFCTLFCA	1	0	0	1
	Conotoxin Tx5.1	Q9U700	MCCLPVFVILLILLIASAPSVDAQPKTKDDVPLAPLHDNAKSALQHLNQRCCQTFYWC CVQKG	0	0	0	0
	Con-Ins Tx1	A0A0B5A7N8	MTTSSYFLLVALGLLYVFQSSFGGEHVCWLGDPNHPQGICGPQVADIVEIRCEEKEA EQGGANNARANTGRTSSLMKRRGFLSLKKRGRKRDEGSPLQRSRGIVCECCKHHCT KEEFTEYCH	14	12	13	39
	Omega-conotoxin-like TxO5	Q9XZL2	MKLTCMVIVAVLFLTAWTFVTAITSNGLENLFPNAHHEMKNPEASKLNKRCVPYEGP CNWLTQNCDDATCVVFWCL	1	0	0	1
	Omega-conotoxin-like TxO3	Q9XZL0	MKLTCVVIVAVLFLTAWTFVTAIPHSSNALENLYLKAHHEMNNPEASELNKRCYDGG TSCDSGICQCCSGWCIFVCF	0	0	0	0
	Alpha-conotoxin-like Tx2	Q9XZK7	MGMRMMFTVFLVLVLTAVVFTSNGRRTFHGRNAAKASGLVSLTDRRPECCSHPA CNVDHPEICR	5	2	0	7
	Conorfamide-Tx1	P0DM26	MSGRGFLLALLLVTEATKVEKNKPGVLDIPVKSNSDDDSIFRYGRRDMQSPLLSE LRF	3	0	0	3
	Omega-conotoxin-like TxO5	Q9U654	MKLTCMMIVAVLFLTAWTFVTAITSNGLENLFPKAHHEMKNPEASKLNKRCVPYEGP CNWLTQNCDDATCVVFWCL	2	1	0	3
	Gamma-conotoxin- like TxMEKL-0511	Q9BHA0	MEKLTILLVAAVLLSIQALNQEKHQRAKINLLSKRKPPAERWWRWGGCMAWFGLC SKDSECCSNSCDVTRCELMPPFPDW	15	13	9	37
	Contryphan-R/Tx	Q9NDA5	MGKLTILVLVAAVLLSTQAMAQGDGDQPAARNVPRDDNPDGPSAKFMNVQRRS GCPWEPWCG	1	0	0	1
	Conotoxin TxXIIIA	Q9BPH1	MRCLPVFVILLILLIASVPSVDAELKAKDMPQASFDNAERDQKKTSDCCFYHNCC C	0	0	0	0
	Conopressin-Tx	P86255	CFIRNCP	0	0	0	0
	Alpha-conotoxin Tx1C	P86261	GCCSRPPCIANNPDIC	0	0	0	0

Conotoxin tx3e	P86262	SCCNAGFCRFGCTPCCY	0	0	0	0
Conotoxin Gla-TxXI	Q5I4E5	MVRVTSVGCFLLVIVSLNLVLTNACIPEGSSCSSGSCCHKSCCRWTCNQPCCLPGKR AKLLEFFRQR	2	1	1	4
Omega-conotoxin-like TeA61	Q3YEF3	MKLTCTMMIVAVLFLTAWTFATADDSSNGLGNLFLKAHHEMKNPEASKLNERCLDAG EVCDIFFPTCCGYCILLFCA	0	0	0	0
Gamma-conotoxin- like TeA53	Q3YEG0	MQKLTILLVAAVLMSTQALNQEQQHRAKINLLSKRKPPAERWWRWGGCMLWFG RCTKDSECCSNSCDRTYCELARFPSDW	16	14	9	39
Omega-conotoxin-like TxMKLT1-0211	Q9U648	MKLTCTMMIVAVLFLTAWTFVTVAPHSSNALENLYLKAHHEMNPNPEDSELNKRCDYG GTSCDSGIQCCSGWCIFVCL	0	0	0	0
Omega-conotoxin-like TxMKLT1-0223	Q9U645	MKLTCTMMIVAVLFLTAWTFVTVAPHSSNALENLYLKARHEMENPEASKLNTRDDCE PPGNFCGMIKIGPPCCSGWCFFACA	1	0	0	1
Delta-conotoxin-like TxMKLT1-0111	Q9U656	MKLTCTMMIVAVLFLTAWTFATADDSSNGLENLFSNAHHQMKNPEASKLNKRWCK QSGEMCNLLDQNCDDGYCIVFVCT	5	1	1	7
Gamma-conotoxin- like TxMEKL-053	Q9BPB0	MEKLTILLVAAVLMSTQALNQEQQHRAKINLLSKRKPPAERWWECGIWFSRCKDS ECCSNSCDQTYCELMFPFPDW	14	9	5	28
Omega-conotoxin-like TxMKLT1-0141	Q9U651	MKLTCTMMIVAVLFLTAWTFATADDSSNGLENLFPKAHHEMKNPEASKLNERCLDAG EICDFFFPTCCGYCILLFCA	0	0	0	0
Omega-conotoxin-like TxMKLT1-0142	Q9U650	MKLTCTMMIVAVLFLTAWTFATADDSSNGLENLFLKAHHEMNPEASKLNERCLDAGE ICDFFFPTCCGYCILLFCA	0	0	0	0
Omega-conotoxin-like TxMKLT1-031	Q9U644	MKLTCTMMIVAVLFLTAWTLVMADDSSNGLANLFSKSRDEMEDPEASKLEKKDCQE KWDFCPAPFFGSRYCCFLFCTLFCA	1	0	0	1
Conotoxin TxMEKL- 021	Q9BHB7	MEKLTILLVAVVLMSTQALPQGGGCKRPRENIRFLSKRKSNAERWREGSCTSWLAT CTDASQCCTGVCYKRAYCALWE	10	8	7	25
Conotoxin TxMMSK- 02	Q9BPJ6	MMSKLGALLTICLLLFSLTAVPLDGDQHADQPAQRLQDRIPTEDHPLFDPNKRCCDD SECSYSCWPCCYG	2	0	0	2
Conotoxin TxMMSK- 01	Q9BPJ1	MMSKLGVLITCLLLFPLTAVPLDGDQPADQPAERLQDDISSENHPPFDPVKRCCRLL CLSCNPCCG	2	0	0	2
Conotoxin TxMMSK- 06	Q9BPJ4	MMSKLGVLITCLLLFPHTAVPLDGDQHADQPAERLQDDISSEHHPMLNSIRRREQN QFMSFTSVKLRDSRGERCCGPTACMAGCRPCCG	6	2	0	8
Conotoxin TxMMSK- 04	Q9BPJ5	MMSKLGVLITCLLLFPLTAVPLDGDQPADRPAERMQDGISSEHHPFFDSVKKKQQC CPPVACNMGCPECCG	2	0	0	2
Conotoxin TeAr193	Q3YEH2	MRCLPVFVILLLLIASAPSVDAQPKTKDDIPQASFLDNAKRYLQVLESKRNCRRQICC GRTK	4	2	2	8
Conotoxin TxMEKL- 011	Q9BPB7	MEKLTILLVAAVLMSTQALVERAGENRSKENIKFLLKRKRAADRGMWGCKDGLTT CLAPSECCSGNCEQNCKMW	11	13	9	33
Conotoxin Tx-D021	Q9BH21	MRCLPVFVILLLLIASTPSVDARAKTRDDMSLASFHDDAKRILQILQDRSGCCVIDSNC CG	1	0	0	1
Conotoxin Tx11.3	S4UKA9	MKLCVTFLLVLVILPSVTGVKSSERTLSGAALRGDRGTCSGRGQECKHSDCCGHLCC AGITCQFTYIPCK	0	0	0	0
Conotoxin Tx-D0111	Q9BPG7	MRCLPVFVILLLLIASTPSDTPVPLTKDDMPQASFHGNARRTLQMLSKKQCCWYFDIS	4	3	1	8

			CCITV				
	Conotoxin Tx6.5	P0DPM3	NCPYCVVYCCPPAYCQASGCRPP	0	0	0	0
	Omega-conotoxin-like SVIA mutant 2	Q9XZL5	MKLTCMVIVAVLLLTACQLITAEDSRGTQKHRTLSTARRSKSELTRCRPSGSPCGVT SICCGRCSRKCT	14	14	10	38
	Conotoxin Tx8.1 (Fragment)	B2CI27	LKMGMFVLLLLFTLASSHREGDIQARKTHLKSDFYRTLPRFARGCTISCGYEDNRCQ GECHCPGKTNCYCTSGHHNKGCGCAC	7	4	4	15
	Omega-conotoxin-like SO-5	Q9XZK4	MKLTCMVIVAVLLLTACQLITADDSRGTQKHRSRSTTKVSKSTSCMEAGSYCGSTTRI CCGYCAYFGKKCIDYPSN	7	7	1	15
	Short neurotoxin 1	P68413	MTCCNQSSQPKTTTNCAGNSCYKKTWSDHRGTIIERGCGCPQVKSIGLECCHTNE CNN	0	0	0	0
<i>Chanos chanos</i>	toxin MIT1-like	A0A6J2VNJ3	MKSSFLILCCVLMSSGSSAVITGACERDSQCGGAMCCAVALWIRSLRMCTPMGQE GEECHPMShKVPFFGKRLHHTCPCLPNLACIATGEGKYKCLSPYKFQDYLL	6	4	0	10
	stonustoxin subunit beta-like	A0A6J2VWL8	MDSSNCLVLEALGRSLYLGLTYNACSDTLVPGMSLSWSNEVIQKETKVNPPQNTSFQV AASESISEKIKLLDVSASVKASFFAGLVEVGSAHYLNEKTSSKLQCRVTMQHQVNTVF KELMFSELTQYQPDVFKAKEATHVVTGVLYGANAILFQDTASDAEKQTIQGSINV MIKKIPLIEISAEGKVDLDDADKEKVKHFCKFYGDYRLKQNPTTYEEAVLLYKDLPNLL GKDGELAVPLKVVWLYPLKNLNDTALQLKHVISESLISQVEKMMDDLHQAEMRANDL LEISKTIKASDICDKLELFNSRLKDFTTVFSQKLAELLPTIREGTAEETALDLLKSQHASG FNRSEIDQWLDGKETEIIGIISYIADLKLEIKTPGPELDTFLMQPDVTDVFMFSFTSLKYE EPYLNKITKTEDLRRGINISTCVQNLSEKTLWYSTPEVRGVLSSLKIIQGFTFGLSIVTY VSDPEHPGASVRWYHNGICRDPHVTDIPFRKDAIVLTLEPNTAHNRLLSSEGNRKVTH GEDQSYDPNPERFDYWQQVLCKESLTHECYWEAERSGEGLTIAVTYKGIGRKGESNA YRYELTDPNTAHKSLCLSDANKTATRGDTQRYRDNKRQYWEQVLCKEKLTGRCY WEVEWSMGMAAVGVAYKGITRSDTKIGHNDKSWCVNCGDGSFGGNSFTAWHNY KFVSAPAPAFYSRRVGVFLDYQAGTLSFYSVCPDTHLTHTVHTFHAKFKEPLYAGFWV LETVSLV	8	0	0	8
	stonustoxin subunit beta-like	A0A6J2VWA1	MSLWSDEVIQKETKVNPPQPYTNFQVAASESIGEKTLLDVSASLKASFFAGLVEVGGS AHYLNEKTSSKLQCRVSMQHQVTTVFKELMFSGLEVQYQPDVFNMKETHVVTGVLY GANAILFENTASDAEKQTVQGTNLNVMIKKIPSMESIAEGKVDLSDTDKEKVKNFSC KFYGDYRLKQNPTTYEEAVLLYKDLPNLLGKDGELAVPLKVVWLYPLKNLNDIAAQLKH MISESLISQVEKMMEDLHHAEMRTNDLLEISKTIKAKDICDKLELFNCRLKDFTTVFSQ KLTPELLTIRDGTAEKSLTDLLMSQHASGFTRSEMDDWLDGKETEIIGIISYVTELKLE IKTPGPELDIFLIQPDVVHAFMFTFTSLKYEEPYNKITKTEDLRRGINIRLPDQNTPIET PWYLPKGIKETLDFSLTIQCFPSHSKIISYISDPEHPGASVRWYRNGTCRDPYLMSPVF LKGMSADLTLDPNTAHQFLGLAEGNKKVTRLGPPSGITDSIFGTPQVLSEETLTGLCY WEAECTGDGFSIAVTHKGRKDDHSEFGCDEESWSLRCQGHRYTAHNNQSTDIFWF TEDEIRIGVYLDQSGTLSFYNISSDTQRYALIYTFQSKFTGPLYAGFGIRGSDTSLCLV DSVDKEDEENLFFFLLSTGLDDIESYRGFV	9	1	1	11

	ly-6/neurotoxin-like protein 1	A0A6J2WIV0	MNKFLLAAVVVVASLLAAEALTCKKCTVGVLRGCIIGSTETCTGNDNNCYTGKAEFNIT GALSFYSQGCIASSSCNGTSGTVLGVGYTVTRTCCNTDQCNGASSIQLPVTAAALGAAL LASVWGSYL	1	0	0	1
	toxin MIT1-like	A0A6J2VNJ3	MKSSFLILCCVLMMLSSGSSAVITGACERDSQCGGAMCCAVSLWIRSLRMCTPMGQE GEECHPMCHKVPFFGKRLHHTCPCLPNLACIATGEGKYKCLSPYKFQDYLL	6	3	0	9
<i>Hydrophis lapemoides</i>	Short neurotoxin 1	P01437	MTCCNQQSSQPKTTTNC AESSCYKKTWRDRFRGTRIERGCGCPQVKPGIKLECCHTNE CNN	5	4	1	10
<i>Plotosus lineatus</i>	PL-toxin II	F2ZAL6	MSYLAGILVIGGRGGSSFRFNGLGNGSTVRKIWWVWAGGWQIKSIKVVLT DGRVEQF GSPSGSYSEFEFQDGE CMTSLSLWGNGAGTRLGAIFKFTNRSREFFAHMTDWGLKT EYPIDVGSGICVGV LGRAASDIDCFGMFINTIKSTKL R NIEYPSLHSEIPEVAVEELKSM TYNNTTSETQEYKIETSKKITKTSSWSVSNNLESTLSIEVSAGIPEVADVTTGFAFTVSTE STRSLENSEERTETLSFPVKVAPGKSDVEITIGRAAFDLPYKGTIEITCYNGSVLRFPTS GTYKGVTYTEAETSLVEKDL	6	3	0	9
	PL-toxin I	F2ZAL5	MSYLAGIHVIGGQGGSNFDFNGTNNGSTVRKIWWVWAGGWQIKSMKIWLTDGREQ QFGNPAGNHSEFEFQDGE CMTSLSLWGNGAGTRLGAIFKFTNRSREFFAHMTDWG LKTEYPIDVGSGICVGV TGSAGSDIDCLGMFINTVKSTKL R NVEYPTLHSEIPKVAVEE LKSMTYHNNTSETQEYKIETSKKITKTSSWSVTNKLEFTSFEVSAGIPEVVDVKTGF AF TVGTESRSLANSEERTEVLSFPIKVAPGKTV D V DITIGRAAFDLPYKGTVEITCYNGSVL TFPTSGTYKGVTYTEAKTTVNESKSL	7	3	0	10
<i>Scorpaenopsis oxycephala</i>	Tx alpha-subunit	A0A068BD77	MSSDIMIMAGLRPF T LGMLYDARREKLIPGFSLFGDET LQQYATSTPQRSSEFQIVA SDSVESKSNLMDIEASLGV SFLGGLVEVGGS AKYLNNTKKYQNQSRVTLKYKVT TTYQ QFKAPP GKVN VQQTAITDKDVATHVVTAILFGANAFFVFD SGKLED SNLQDIQ GKME AVIKKIPTV SIEGFGSVQLTDEE KSLASNL SCKFHGDFLLESLPTTFEDAVMTYQKLP ELL GEEATDAVPMKVWL VPLKKFY S QADLLVRDISQGIVRKVH SILEDLHEQRRRCNEAM DDR LVKQLPLIYDRVSNFQQIFQDYILT VQQTIAKKLPLIREGTEEESSLEEIIEDRANSPF SNENVNIWLDNIEREIGSLKACAGILEKTQTKFVSNQTELDREVLAENVKHALCFVFTY MERNDPYLRVLSQYLESPDTEITGDVAPSVENNSRMVIKMKQKALAFSEFAK KLEKSR NVHFLAAAITNGKYQGASIYHYKEGSLVTE DFTFPPLAPVKTIKDRSDLLWYACDLTFD PNTAHQQLALSDDNKYVESGKHQKYSKHPERFDNYRQVLCKEPLRGRHYWELEWN GTVIAGVTYLSIGRKNIDIQSVIGFNETSWTFISFPKNGYFIKGTGIELLRVGLPDPDFTR LGVYLDCHASTLSFYKVSSNVLHHFHTIEIKPKLSEPVYAIIRIGDVDRPYHGRARLL	19	1	3	23
	Tx beta-subunit	A0A068BD90	MSSDILVLAALGRPF T LGLTYDARKDKLIPGFTLWEDEV LQENTVESAPSSVF EITAS DSIEDKSSLM D IEASL KASFLGGLVEVGGS AKYLNNTKKFKNQSRVTLQYKATTSFKQL MTNLETKHVEYSEYFQNI EATHV VIGILYGANAFFVFDSDKVDSSK VQDIQGSMEAVI KKIPSVEISGQGAVKLTSEESDITNSFCKFHGDFHLTSNPTTFEDAVKTYQQLPQMM GKETAVPMTVWLVPMTNFYSEAPQLMADSS TPILRKVRNTLEAMRQLDMRCNDSL EDDTVKLFPLLEK LKTFQKH YRDYMTNLRRTISQKLQ SIRK GDEDESAMLQLFEDKLR SPFNIDSLNMWMECAEREINVL RSCIDIIEAKHKV VLSQTKLDRELDSEVKHAVCYI FTYVTDYDPYLNALSDFSKSIKPKFSPSKKDYWYTSDDVPEMMREKAHHFYNLAKD MENRCVRFLVASIVNPKEEGAAIHYYREGIQIINDFSNPRIPPVETIQDRRELLWYDCEL TLDPETAH PALHLSEGNNKAMSGKPQPSDNNPERFDHYQQVLCNEGLSKRHYWEVE	20	8	6	34

			WCGYVRVGITYKAIQRKTSDSVNAVGGQNLASWAFDYDPKSGYCHIYGNEKTPVKVAS PGFDRLGYYLDWPAGTLSFYMTSTWVTHLHTFSAKFYEAVYPAFLIGDAQQKTNG QIKLL				
<i>Pardachirus marmoratus</i>	Pardaxin-1 (Fragment)	P81863	GFFALIPGIE	0	0	0	0
	Pardaxin P-4	P81861	GFFALIPKIISSPLFKTLLSAVGSALSSSGGQE	2	1	0	3
	Pardaxin P-5	P81862	GFFALIPKIISSPLFKTLLSAVGSALSSSGDQE	2	1	0	3
<i>Epinephelus coioides</i>	Neoverrucotoxin subunit-like protein (Fragment)	F6KMK9	TNEEPWYFSEEIYSNMRNKAKAFRDFAKAQKNNNRLRILIATIANEKYKGATIIYHYKEG ILVSEDYTKLDPLGVETITDREVLMDGYATDLTDPNTANCYLTLSEGDKKATHGEPQSY PAHPERFDSQPQVLCKESLTGRHYWEVEWSAGIYGFLQVAVAYKGIERTESLDSQF GYNTMSWAVGQLYVLPVIYSHYVPTVTAYHNGKQWDTAFPSYGC DKVGVYLDWPA GTLSFYRVSSNTLSHLYTFRTKFTEAVYPGFCAGGPLANVYLSPVQ	10	3	3	16
	Ly-6/neurotoxin-like protein 1	G8G909	MQLFGPLIFLVTLSAAFGLRCHSCSGKSGCTGPMTC PQGTDRCAIAESNGAVAKSCML SALCVSPIKCCETDLCNSATPTGSSVLLLLVSSGIITLFL	0	0	0	0
	Neurotoxin/C59/Ly-6-like protein (Fragment)	D6Q1Q4	ARGTFTHDYSYFQSCYDARTCRELVNSSGYSGRCCSSDLGN	0	0	0	0
<i>Conus betulinus</i>	Kappa-conotoxin BtX	Q9U3Z3	MMFRVTSVGCLLLVIVFLNLVVP TSACRAEGTYCENDSQCC LNECCWGGCGHPCRH PGKRSLQEFFRQR	2	1	0	3
	Neuropeptide Y1-like conopeptide	P0CJ22	TVSDPPARPAVFHSREELMNYVRELNRYFAIVGRPRF	1	0	0	1
	Neuropeptide Y2-like conopeptide	P0CJ23	TVSDPPARPAVFHSREELMNYVRELNLRYFAIVGRPRY	0	0	0	0
	Conotoxin Bt9.2	P81727	GCGGVCAYGESCPSSCNTCYSAQCTAQ	0	0	0	0
	Conotoxin BtIIIA	P58623	CCKQSCTTCMPCCW	0	0	0	0
	BtIIIB	P58624	CCELPCHGCVPCWP	0	0	0	0
	Conotoxin Bt1.8 (Fragment)	A0A068B6Q6	PDGRNAAAKAFDLITPTVRKGCCSNPACILNNPNQCG	0	0	0	0
	Conotoxin Bt6.5	Q3YEG7	MKLTCLVLIHVLFTACQLATAKTYSTGRQKHALRSTDKNIKLSRRRCNDPGGSCTRH HCCQLYCNKQESVCLNEPAF	8	10	9	27

	Delta-conotoxin-like Bt6.4	M9PQ91	MKLTCMVIVAVFLTAWTSVMADGSINRPDIAEGWQKFFSKARDEMKNRAASELN KRCAGIGSFCGLPGLVDCCSGRCFIVCLP	4	1	1	6
	Conotoxin Bt6.6	Q3YEF9	MEKLTILLVAAVLMSTQALIQSDGEKQQAKINFLSXRKSTAESWWEHECKGWSVY CSWDWECCSGECTRYYCELW	2	1	0	3
	Conotoxin Bt15a	B0KZ78	MEKLTILVLVATVLLAIQVLVQSDGEKPLKRRVKQYAAKRLSALMRGPRQCTPRNQRC EGDAECCPNLVCKCFTRPDCQSGYKCDTS	17	13	12	42
	Conotoxin Bt12.1	P58625	RCAHGTYYSNDSQQCLLNCCWWGGGDHCCR	0	0	0	0
	Conotoxin Bt5.1	Q3YEH6	MRGLPVFVILLIIASEPSVDARPKTKADVPLTSLNDNAKRTLQILRNKRACCPYEPSCC I	10	8	3	21
	Conotoxin Bt11.1	P0C251	MKLCVAFLLVLVILPSVIGGKPSERTLSGATRRGDRRMCLSLGQRCERHSNCCGYLCCF YDKCVVTAIGCGHY	9	6	5	20
	Conotoxin Bt11.4	P0C609	MCLSLGQRCGRHSNCCGYLCCFYDKCVVTAIGCGHY	1	1	0	2
	Conotoxin	A0A142C1B1	MMSKLGVLTVCLLLFPLTAVPMDGDQPADLPALRMQDFAPEHSPWFDPVRRCCS RDCRVCIPCCPN	5	1	0	6
	Conotoxin (Fragment)	A0A142C1R0	AFLVVTLLLTATATTGAANRVNAAANGKASDSISLAVRDDCCPDACRQNHPELCSS G	0	0	0	0
	Conotoxin	A0A142C187	MGMRRMMFTVFLVLVATTVVVSFAADRESNHRNRRASNQIPRGLWAECCEDPPCRV NNMEHCPAN	8	6	1	15
	Conotoxin	A0A142C1D4	MMFTVFLVLVATTVVVSFTSGRASGGRNAAAKASNRIARAISGACCAYPPCFEAYPE RCL	5	1	0	6
	Conotoxin	A0A142C1D5	MMFTVFLVLVATTVVVSFTSDRAFGRNPAANDKRSDLAALSVRRGCCSHPACSVNH PELCGRRR	6	4	1	11
	Alpha-conopeptide Bt1.5	A0A075IR52	MFTVFLVLVATTVVVSFTSGRASGGRNAAAKASNRIALIVRNAECCYPPCYEAYPEIC L	2	0	0	2
	A superfamily conotoxin Bt1.7a	S4UKL3	MGMRRMMFIVFLVLVATTVVVSFTSDRASDGGNAAAKASDLIAQTIRGGCCSYPACSV EHQDLCDGRR	0	0	0	0
	M superfamily MMSK group conopeptide Bt3-IP01	H2BKR1	MMSKLGVLTVCLLLFPLTAVPMDGDQPADLPALRMQDFAPEHSPWFDPVRRCCS QDCRVCIPCCPH	1	0	0	1
	Alpha-conopeptide Bt1.4	A0A075IP10	MFTVFLVLVATTVVVSFTSDRAFGRNSAANDKRSDLAALSVRRGCCSHPACSVNHP ELCGRRR	4	2	0	6

	Alpha-conotoxin Bt1.91	F5BDH1	MGMRMMFTVFLVLATTVVSLTDRASGGRRSGADNMIALIIRKCCSNPACNRY NPAICD	4	1	1	6
	Alpha-conotoxin Bt1.61	F5BDH0	MGMRMMFTVFLVLATTVVSTSDRASDGRNAAGNEMPDWVIRAIKLTCCSELT AGNYPNICG	1	0	0	1
	Alpha-conopeptide Bt1.1	A0A075ILT2	MFSVFLVLATTVVSTSGGASGGRKAAKASNRIALTVRSATCCNYPPCYETYPESL	5	3	1	9
	Conotoxin	A0A142C1P8	MRCLPVFVILLLLIGSAPSVDAQPMAIDNVPVASFDDNAKRTLQILLNKRPPCCPRDTW CCGFPR	6	10	2	18
	Conotoxin	A0A142C1C7	MRCLPVFIILLLLVASAPSADVQPKTKNSMTLASLRDFAKKGRKNLWRRSECCIRNFLC	12	12	9	33
	Conotoxin	A0A142C1Q1	MLCLPVFIILLLLVSPAATLPVTSKLHGLLTRRSLKNFWKRNLYLRDEDWVDCCQMGD CCDEK	14	9	6	29
	Conotoxin	A0A142C1D2	MRGLPVFVILLLLIASAPSVDARPKTKADVPLTSLNDNAKRTLQILRNKRACCPYEPSCI	10	8	3	21
	Conotoxin	A0A142C1C8	MRCLPFIILLLLIPSAASVAQPKTKDDVALASFYDNAKRALQRYWAKSLCCPEDRWCC	6	3	3	12
	Conotoxin	A0A142C1C0	MRCLPVFVILLLLIASAPSVDAQPKTKYDVPLTSLNDNAEGSLQIRWCCPNGPRMCCP	1	1	0	2
	Conotoxin	A0A142C1P9	MLCLPVFIILLLLVSPAATLPVSKLHGFLTRRSLKDFWKRHFYLRDEDWVDCCQMGD CCDEK	12	8	6	26
	Conotoxin	A0A142C1J1	MRCLPVFVILLLLIGSAPTVDQAQPKTNDVSMASFDDNAKRTLQMLRGVQICCPYILW CCLIP	2	0	0	2
	Conotoxin	S4UJY9	MLCLPVFIILLLLVSPAATLPVTSKLHGLLTRRSLKNFWKRNLYLRDEDWVDCCHMPR CCVED	14	9	6	29
	Conotoxin	A0A1P7ZCP5	MRCLPVFVILLLLIASAPSVDAQPKTKYDVPLTSLNDNAEGSLQIRWCCPNGPRFCCP	1	1	0	2
	Conotoxin	S4UKA5	MLCLPVFIILPVLSSAAGFPVESELQRDLTQESPKDLGMRNEHQLLKKVADDCCVGKV GTCCR	2	0	0	2
	Conotoxin	S4UJR6	MLCLPVFIILLLLVSPAATLLVSKLHGFLTRRSLKDFWKRHFYLRDEDWVDCCQMGD CCDEK	12	8	8	28
	Conotoxin	A0A142C1N1	MEKLTILVLVAAVLLSTQLMVQGDGDQPTDRDAVPRHIYPGGVSGKLMHILQSQSG CPWKPWCG	0	0	0	0

	Conotoxin	A0A142C1N2	MEKLTILVLVA AVLSTQLMVQGDGDQPTDRDAVPRHIYPIGASGKLMYILQSQSGC PWKPWCG	0	0	0	0
	Conotoxin (Fragment)	A0A142C1Q4	LVVLATTVVVSFTSDRASDGGNAAAKASDLIAQTIRGGCCSY PACSVEHQDLCDGRR	0	0	0	0
	Conotoxin (Fragment)	A0A142C1Q5	LVVLATTVVVSFTSGHASGGRKAAAKASNRIALT VRSATCCNYPPCYETYPESCL	5	2	1	8
	Conotoxin Bt14.5 (Fragment)	A0A068B6R0	SDGRDATVISTESDVIALDDCRLCMHPDCRFNRGRCPRA	5	3	2	10
	Conotoxin Bt14.15 (Fragment)	A0A068B6S1	SDGRNAAANVKASDLMARVLEKGCPPVPVPGMHKCVCLKTCR	1	0	0	1
	Conotoxin Bt14.2 (Fragment)	A0A068B2V1	SDGRDAAANDKASEVIARDDCVPCMRPACGIHFGEGR	0	0	0	0
	Conotoxin Bt14.17 (Fragment)	A0A068B0Y6	SDGRDAAANDKASEVIARDDCVPCMRPACGIKFGEGR	0	0	0	0
	Conotoxin Bt1.11 (Fragment)	A0A068B0X3	PDGRNAAATDGNWAAAKAFGLITPTVRDGCCSNPACILNPNQCG	0	0	0	0
	Conotoxin Bt1.10 (Fragment)	A0A068B3Z0	PDGRNAAATDGRNAAAKAFGLITPTVRDGCCSNPACILNPNLCG	0	0	0	0
	Conotoxin Bt1.7 (Fragment)	A0A068B2G2	SDNRNAAADNKAYDLLAMTVGGGCCSFPPCIANNPFCAGR	0	0	0	0
	Conotoxin Bt14.8 (Fragment)	A0A068B2V6	SDGRDAAANDEASEVIARNECDNCMRSFCSMIYEKCR LKG	0	0	0	0
	Conotoxin Bt14.11 (Fragment)	A0A068B403	SHGRNAAANVKASDLMARVLGIRCPHSVPGMHPCKNNTCR	0	0	0	0
	Conotoxin Bt14.12 (Fragment)	A0A068B0Y2	SDGRDAAVIYTESDVIARGDCKPCMHPDCRFNPGRCRQRE	3	2	2	7
	Conotoxin Bt14.16 (Fragment)	A0A068B409	SDGRDAAVIYTESDVIARGDCKPCMHPDCRFNPGRCRPRE	4	3	2	9
	Conotoxin Bt14.4 (Fragment)	A0A068B2G8	SDGRNAAVISTESDVIVTCKPCVNPACGINRGKCR	1	0	0	1
	Conotoxin (Fragment)	A0A142C1V7	KYDVPLTSLNDNAKRTLQIHWNKRCCEKIWCCHPVA	6	4	2	12

	Conotoxin	A0A142C1G6	MQDFAPEHSPWFDPVRRCCSRDCRVCIPCCPH	6	4	0	10
<i>Conus ferrugineus</i>	Conopeptide Y-Fe1	B3SVF1	MSKLGVVLFVFLLLPLAAPQPVGDQPADQPADRNAEARGTYLYPFSYYRLWRYFTR FLHKQPYVVVHI	4	1	0	5
<i>Conus characteristicus</i>	Conotoxin Ca6.2	V5V9Y7	MHTLEMLLLVLLVPLAPGEGDGQAVGGDRNPSEARRAYKRLLRPARRMDRGGC TPCGPNLCCSEEFRCGTSTHHQTYGEPACLSY	16	17	14	47
<i>Conus flavidus</i>	Conotoxin Fla16d	V5V893	MHTLEMLLLLLLLPLALGEGDGQAVAGDRNPSEARSTHEHFLQRLIRLIHGSDCQPC GQYVCCPPWKYAEYRRFT	5	1	0	6
	Alpha-conotoxin-like	U3L010	MGMRMMFTMLLLVVLATTVVSFTLDHAFDGRNIAANNKATDLMALPVRGCCSDPP CRHKHQDLG	1	0	0	1
	Alpha-conotoxin-like	U3L074	MLLLVVLATTVVSFTLDHAFDGRNTAANNKATDLMALPVRGCCSDPPCRHKHQDLC G	1	0	0	1
	Alpha-conotoxin-like	U3L0H7	MGMRMMFTMLLLVVLATTVVSFTLDHAFDGRNTAANNKATDLMALPVRGCCSDP PCRHKHQDLG	1	0	0	1
	Alpha-conotoxin-like (Fragment)	A0A1S5TAF9	AANKKASALIAQIADRCCNFPACAASNPLCT	0	0	0	0
	A-conotoxin peptide Fla1.6	U3L0F2	MGMRMMFTVFLVALATTVASFTLDHASNGRNAAADDNMSDWIAQALKRCCGN PPCAHVNCRRGR	3	1	0	4
	A-conotoxin peptide Fla6.2 (Fragment)	U3KZW1	MVLTMFLLVVLATTVVSFTLDHASDSRGTAANDKATDQMALAVRLDWCDADFLV DHPELCGWDVCCAYPPCRHKHQDCNQGR	1	0	0	1
	A-conotoxin peptide Fla1.1	U3L069	MGMRMIFTVFLVALATTVASFTLDRASNGRNAAADNKPSPDWIALAIKQCCRNPKC SQQGCP	2	1	0	3
	A-conotoxin peptide Fla6.1 (Fragment)	U3L0E9	MGKRMVLTMFLLVVLATTVVSFTLDHASDSRGTAANDKATDQMALAVRLDWCD ADFLVDHPELCGWDVCCAYPPCRHKHQDCNQGR	1	0	0	1
	A-conotoxin peptide Fla1.7a (Fragment)	U3KZV0	MGMRMMFTVFLVVLSTTVSLPVDHASNGRDAAADSNAADQIAQTARDPCCSNP SCAQTHPEICRRMLQNPLNHDMSPSA	1	0	0	1
	A-conotoxin peptide Fla1.8	U3L011	MGMRMMLTVFLVVLATTVVS DHASDGRNTAAKVYKSKTQECCPNPPCAVNSA LCGARR	0	0	0	0
	A-conotoxin peptide Fla1.2	U3KZU9	MGMRMMFTMFVLVVLATTVVSFLDHASNGRDAAAYDKATPLIARDMECCSHPA CQGINPDYCD	0	0	0	0
	Conotoxin	U3L0G6	MRCVPVFIILLLSAPSVD AHPKTKDDVPLASFHDDAKRTLQRLWIKALCCYGYAFC CRLGR	4	5	0	9

<i>Conus monile</i>	Kappa-conotoxin Mo1659	P84713	FHGGSWYRFPWGY	1	0	0	1
	Conopressin/conophysin, isoform 3 (Fragment)	A0A4Y5X1A7	ACFIRNCPKGGKRNVDGPTKPCMFCSGQCVPAPHTCCGEKGCEMGTVDANMCQE ENESPIPVCHVFGKRCLLNHPGNSHGNCVTYGICCSHDTCTVHLACM	3	0	0	3
	Conophysin-conopressin, isoform 1 (Fragment)	A0A291NVT7	MQMGRPTLLPCLLLLLVSTQACFIRNCPGGKRDVHMIQPTKPCMNCSTFGQCVGP RVCCGAGRCEIGSTEADRCCEENEDPVPCKVLGQHCVLNPNPGNVNGNCVDGGIGIC CVDDTCAIHRRCD	3	0	0	3
	Conotoxin Mo1274	P0C2F2	GNWCCSARVCC	0	0	0	0
	Delta/kappa-conotoxin Mo3964	A0A0R4I952	DGECGDKDEPCCGRPDGAKVCNDPWVCILTSSRCENP	0	0	0	0
	Conopressin/conophysin, isoform 2 (Fragment)	A0A4Y5X186	MKCSVLQMSRLSWAMCLMLLMLLLGTAQGCFIRNCPRGGRRAVDALQPTRQCM SCGPDGVGQCVGPSVCCGLGLGCLMGTPETEVQCQKENECSVPCASGRHCGMDNT GNCVADGICCVEDACSFNSLCRVDTDQEDSVSARQELLIRLLVNRQYD	9	5	2	16
	Contryphan-Mo (Fragment)	A0A1P8NVU1	QGDRDQPADRNAVPRDVNPGRRARRKLMKVLRESECPWKPWCG	9	8	9	26
	Conotoxin (Fragment)	A0A0P0C7W0	MLCLPIFILLLLVSPAALPAESEVRKYLTQEFRKDFERRAGNPRGNWCCSARVCC	2	2	1	5
<i>Conus striatus</i>	Mu-conotoxin SIIIA	Q86DU6	MMSKLGVLTLVCPLLFLTALPPDGDQPADRPAERMQDDISSDEHPLFDKRQNCN GGCSSKWCRDHARCCGR	4	0	0	4
	Con-ikot-ikot	P0CB20	MAMNMSMTLCMFVMVVVAATVIDSTQLQEPDLSRMRSGPADCCRMKECCTDR VNECLQRYSGREDKFVSFCYQEATVTCGSFNEIVGCCYGYQMCMIRVVKPNSLSGAH EACKTVSCGNPCA	6	4	0	10
	Kappa-conotoxin SIVA	P0C828	MGMRRMMFTVFLVVLATTVVSTPSDRASDGRNAAVHERQKSLVPSVITTCGYDPG TMCPPCRCTNSCG	0	0	0	0
	Mu-conotoxin SIIIC	P0C349	RHGCKGPKGCSSRECRPQHCC	4	0	0	4
	Omega-conotoxin SVIA	P28880	MKLTCVMIVAVLLLTACQLITAEDSRGTQKHRTLSTARRSKSESTTRCRSSGSPCGVT SICCGRCYRGKCT	12	12	9	33
	Omega-conotoxin SO-3	Q9XZK2	MKLTCMVIVAVLLLTACQLITADDSRGTTQKHRTLRSKTKLSMSTRCKAAGKPCSRIAY NCCTGSCRSKGCG	14	13	12	39
	Omega-conotoxin SVIB	P28881	MKLTCVIVAVLLLTACQLITADDSRGTTQKHALRSDTKLPMSTRCKLKGQSCRKTSY DCCSGSCRSKGCG	12	8	5	25

	Delta-conotoxin SVIE	Q9XZK5	MKLTCVMIVAVLFTTWTFVTADDSRYGLKNLFPKARHEMKNPEASKLNKRDCSSG GTFCGIHPGLCCSEFCFLWCITFID	4	1	2	7
	Alpha-conotoxin S2	P28879	MGMRMMFTVFLVLVLTATVVSFSPDRASDGRDDEAKDERSDMHESDRNGRGCCC NPACGPNYGGTSCSRTL	0	0	0	0
	Alpha-conotoxin S1	P15471	MGMRMMFTVFLVLVLTATVVSFSPDRASDGRDDEAKDERSDMHESDRKEICCNPA CGPKYSCGR	0	0	0	0
	Kunitz-type conkunitzin-S1	P0C1X2	MEGRRFAAVLILITICMLAPGTGTLTPKDRPSLCDLPADSGSGTKAEKRIYNSARKQCL RFDYTGQGGNENNFRTYDCQRTCLYT	4	3	1	8
	Contryphan-S	P0C837	MEKLTILVLVAAVLLSTQVMVQGDADQPADRDVPRDDNAGGTGDKFMNVQRRS GCPWEPWCG	1	0	0	1
	Conopressin-S	P05487	CIIRNCPRG	0	0	0	0
	Mu-conotoxin SIIIB	P0CE77	QNCCNGGCSSKWCKGHARCC	2	0	0	2
	Kappa-conotoxin-like SIVB	P0C829	MGMRMMFTVFLSVVLATTVVSTPSDRASDGRNAAVHERQKELVPSVITCCGYDPG TMCP PCRCTNSCPTKPKPGRRND	9	6	0	15
	Alpha-conotoxin SIA	P28878	YCCHPACGKNFDC	0	0	0	0
	Omega-conotoxin-like SVIA mutant 1	Q9XZL4	MKLTCVVIVAVLLLTACQLITAEDSRGAQKHRTLSTARRSKSELTRCRPSGSPCGVT SICCGRCYRGKCT	14	13	11	38
	Omega-conotoxin-like SO-4	Q9XZK3	MKLTCMVIVAVLLLTACQLITADDSRGQTQKHSRLRSTTKVSKATDCIEAGNYCGPTVM KICCGFCSPYSKICMNYPKN	7	7	2	16
	Omega-conotoxin-like SO-5	Q9XZK4	MKLTCVMIVAVLLLTACQLITADDSRGQTQKHSRLRSTTKVSKSTSCMEAGSYCGSTTRI CCGYCAYFGKKCIDYPSN	7	7	1	15
	Delta-conotoxin-like S6.8	B2KJ30	MKLTCMMIVAVLFLTAWTFVTADDSRNLGLKNLFPKARHEMKNPDASKLNKRDCGS NAGGFCGIHPGLCCSEICLVWCT	4	1	2	7
	Omega-conotoxin-like 6	Q5K0D3	MKLTCVVIIAVLLLTACQLITADDSRGVQKHSRLRSTTKVSKSTSCMEAGSYCGSTTRIC CGYCAIFGKKCIDYPSN	6	6	0	12
	Omega-conotoxin-like 9	Q5K0D2	MKLTCMMIAAVLFTTWTFVTADDSRYGLKNLFPKARHEMKNPEASKLNKREGCSS GGTFCGIHPGLCCSEFCFLWCITFID	5	1	2	8
	Omega-conotoxin-like 2	Q5K0D8	MKLTCVVIVAVLLLTACQLITADDSRGQTQKHSRLRSTTKVSKAADCEAGNYCGPTVM KLCCGFCSPYSKICMNYPKN	7	7	2	16

	Omega-conotoxin-like 15	Q5K0D5	MKLTCVVIVAVLLLTACQLITAEDSRGTQKHRTLSTARRSKSELTRCRPSGSPCGVTS ICCGRCSRGKCT	14	14	10	38
	Conotoxin 3	Q5K0D7	MKLTCVVIVAVLLLTACQLITADDSRGTEHRLRSDTKLSMLTLRCESYGKPCGIYND CCNACDPAKKTCT	2	1	0	3
	Kappa-conotoxin-like S4.3	P0C830	QKELVPSKTTTCCGYSPGTMCPSCMCTNTCPPQK	0	0	0	0
	Conotoxin S6.11	P0C834	MEKLTILLVAAVLMSTQALIQQGLDERQKAKSNFFSKRKSNAESWWECECRTWNA PCSFTSQCCFGKCAHHRCIAW	6	3	3	12
	Conotoxin S6.10	P0C833	MKLTCVLIHVLFTACQLATAKTYSKGRQKHRALRSTDKNIKLTRRCTPDDGACAEPV QCCSTFCNPVTNMCIDWLIGLSRSVL	14	14	12	40
	Iota-conotoxin-like S11.2 (Fragment)	P0C259	GCKKDRKPCSYQADCCNCCPIGTAPSTNWILPGCSTGPFMAR	2	0	0	2
	conotoxin S11.3	P69499	MMFRLTSVSCFLLVIVCLNLFQVVLTRRCVPPSRYCTRHRPCCRGTCCSGLCRPMCNI WYGKRATFQE	12	10	9	31
	Omega-conotoxin-like S6.7 (Fragment)	P0C832	KSTSCMEAGSYCGSTTRICCGYCAYSASKNVCDYPSN	0	0	0	0
	Alpha-conotoxin-like	S4UJF7	MGMRMMFTVFLVVLATTVVSFSDRASDGRDDEAKDERSDMHESDRNGRGCCC NPACGPNYCGGTSCSRTI	0	0	0	0
	Alpha-conotoxin-like	D4HPH2	MFTVFLVVLATTVVSFTSDRASDGRDDEAKDERSDMHESDRKGRAYCCHPVCCKN FDCGR	0	0	0	0
	Alpha-conotoxin-like	D4HPH1	MFTVFLVVLATTVVSFTSDRASDGRDDEAKDERSDMHESDRKGRAYCCHPACGPN YSCGTSCSRTL	0	0	0	0
	Alpha-conotoxin-like (Fragment)	D4HPG8	SDGRDDEAKDERSDMHESDRNGRGCCCNACGPKYSCGR	0	0	0	0
	Alpha-conotoxin-like (Fragment)	D4HPH0	SDGRDDEAKDERSDMHESDRNGRGCCCNACGPNYCGGTSCSRPSEPRR	1	0	0	1
	Alpha-conotoxin-like	S4UKB4	MGMRMMFIVFLVVLATTVVSFSDRASDGRDDEAKDVMHESDRKGRAYCCHPA CGKNFDCGR	0	0	0	0
	Alpha-conotoxin-like (Fragment)	D4HPG6	SDGRDDEAKDERSDMHESDRKGRAYCCHPACGKNFDCGR	0	0	0	0
	Conotoxin (Fragment)	Q45RU7	GDCSCGQICKCGYRVSPGKSGCACTCRNAK	1	0	0	1

	Conotoxin S5.1 (Fragment)	Q45RU8	HNDLIRAGLTVCLSENKRRLTCSGLLN MAGSVCKVDTSCSSQ	2	0	0	2
	Superfamily conotoxin (Fragment)	D4HPG9	SDGRDDEAKDKRSDMYGSDRSGRCCHPACGRKYNCGR	2	1	0	3
	A superfamily conotoxin SIVAa	S4UKL2	MGMRRMMFTVFLVVLATTVVSTPSDRASDGRNAAVHERQKSLVPSVITTCGYDPG TMCPPCRCTNSCG	0	0	0	0
	Superfamily conotoxin	D4HPH4	MFTVFLVVLATNVVSTPSDRASDGRNAAVHERQKSLVPSVITTCGYDPGTMCPPC RCTNSCG	0	0	0	0
	Superfamily conotoxin	D4HPH3	MFTVFLSVVLATTVVSTPSDRASDGRNAAVHERQKELVPSVITTCGYDPGTMCPPC RCTNSCPTKPKKPGRND	6	1	0	7
	A superfamily conotoxin S1.1a	S4UJZ7	MFTVFLVVLAITVVSFPLDRES DGANA EARTH DHEKHALDRNGCCRN PACESHRCG	2	2	1	5
	A superfamily conotoxin S4.4	S4UJD9	MGMRRMMFTVFLSVVLATTVVSTPSDRASDGRNAAVHERQKGLVPSVITTCGYDP GTMCPPCRCTNSCPKPKKPGRND	10	6	0	16
	Conotoxin	Q45RU9	MLCLPVFIIMLLLASPAAPNPLETRTQSDLIRAALEDADAKPDERFLGGIFGGISLLSALI NALSS	0	0	0	0
	Conotoxin	S4UJE7	MRCLPVFVILLLLIASAPSVDAQLKTKDDVPLSSFRGHAKSTLRLRLQDKQTCCGYRMC I PCG	6	6	1	13
	Conotoxin	S4UKA0	MRCLPVFIIMLLLLIASAPCFDARTKTDDDVPLSPLRDNLKRTIRTRLNIRECCEDGWCCT AAPLTGR	9	9	1	19
	Conotoxin	S4UJX8	MRCFPVFVILLLLIASAPSDARPKTKDGMPLASFHDNATRLNLQILCKHTPACCTGK	2	0	0	2
	Conotoxin	S4UJQ7	MRCLPVFVILLLLIASAPSVDAQPKTKDDVPLPHLDNIQNTLQTLRKKVCCRPMQDC CSGK	9	3	0	12
<i>Conus kinoshitai</i>	Mu-conotoxin KIIIB (Fragment)	POC195	KRNGCCNCSSKWCRDHSRCCGR	4	0	0	4
<i>Conus geographus</i>	Conophysin-conopressin	P05486	MTRSAMQMGRRLTLVLCLLLLLLTTQACFIRNCPKGGKRDVDERYLFKACMSCSFGQ CVGPRICCGPRGCEMGTAEANRCIEDEDPIPCQVVGQHC DLNNPGNIHGNCVANG ICCVDDTCTIHTGCL	4	3	1	8
<i>Conus textile</i>	Omega-conotoxin-like TxO4	Q9XZL1	MKLTCVVIVAVLFLTAWTFVTA VP HSSNALENLYLKARHEMENPEASKLNTRYDCEPP GNFCGMIKIGPPCCSGWCFFACA	1	0	0	1
	Alpha-conotoxin-like Tx1	Q9XZK6	MGMRRMMFVVFLVVLASTVVSSTSGRRAFHGRNAAAKASGLVSLTDRRPECCSDPR CNSSHPELCGGRR	6	4	0	10

	Omega-conotoxin-like Tx06	Q9XZL3	MKLTCVVIVAVLFLTAWTLVMADDSNNGLANLFSKSRDEMEDPEAAKLEKNYCQEKWDYCPVPFLGSRYYCCDGLFCTLFFCA	1	0	0	1
	Omega-conotoxin-like Tx01	Q9XZK8	MKLTCVVIVAVLFLTVWTFATADDSGNGLEKLFSSNAHHEMKNPEASKLNERCLDAGEVCDIFFPTCCGYCILLFCA	0	0	0	0
	Alpha-conotoxin-like Tx2	Q9XZK7	MGMRRMMFTVFLVLVLTAVVSFTSGRRTFHGRNAAAKASGLVSLTDRRPECCSHPACNVDPHEICR	5	2	0	7
<i>Conus tessulatus</i>	Alpha-conotoxin-like ts14a	P86362	DGCPPHPVPGMHPCMTNTC	0	0	0	0
	Mu-conotoxin TsIIIA	H2BK59	MMSKLGVLITICLLFPLTAVPLDGDQPADQPAERKQNEQHPLFDQKRGCCRWPCTSRCGMARCCSS	7	4	3	14
	Conotoxin TsMMSK-021	Q9BPJ9	MMSKLGVLITICLLFPLTAVPLDGDQHADRPAARMQDISSEQHPLFDPVKRCCDWPTIGCVPCCLP	1	0	0	1
	Conotoxin TsMMSK-B022	Q9BPI5	MMSKLGVLITICLLFPLTAVSLDGDQPADLPELRAQDFAPERSPWFDPVRRCCSQDCRVCIPCCPY	0	0	0	0
	Delta-conotoxin TsVIA	P0DL66	CAAFGSFCGLPLVDCCSGRCFIVCLL	0	0	0	0
	Conotoxin TsMSGL-2	Q9BP73	MSGLGIMVLTLTLLVFMATSHQDAGEKQATQRDAVNVRRRRSIAGRTTTEECDEYCEDLNKNCCGLSNGEPVCATACLG	10	8	1	19
	Conotoxin TsMSGL-13	Q9BP75	MSGLGIMVLTLTLLFMFMATSHQDAGEKQATQRDAINVRRRRSITRRGDEECNEHCEDRNKECCGRTNGHPRCANVCFG	12	11	5	28
	Conotoxin TsMMSK-B022	Q9BPI8	MMSKLGVLITICLLFPLTAVQLDGDQPADLPELRAQDFAPERSPWFDPVRRCCSQDCRVCIPCCPY	1	0	0	1
	Conotoxin TsMLKM-011	Q9BH51	MLKMGVVLVFLVLFPLATLQLDADQPVRYAENKQLVSPYERRQIILHALGQRQCCDWQWCDGACDCCA	0	0	0	0
	Conotoxin TsMEKL-03 (Fragment)	Q9BPC0	VILLMSTQALIQSGVEKRSNKIKALSKRKTAEWWECEGYGWWTSCSSPEQCCSLNCENIYCRAW	5	4	2	11
	Conotoxin TsMEKL-011	Q9BPB9	MEKLTILLVAAVLMSTQALIQRGGAARRKVNFFSIREPGAEDWREGNCTPWLGCGTSPECCPGNCETYCRAWR	10	7	1	18
	Conotoxin TsMEKL-P012	Q9BPC1	MEKLTILLVAAVLVLAQALIKGGGGEKQKEKINFLSKRKTAEWWECEGSGWSVYCTSDPECCSGECSSYYCELW	8	5	4	17
	Conotoxin Ts-011	Q9BH75	MHCLPVLVILLIIASTPSVDARPKTKDDVPLASFHGADNANRILRTLWNLRGCCEDKTCFIG	5	2	0	7

	Conotoxin TsMLKM-012	Q9BPH9	MLKMGVVLFLVFLVFLPLATLQLDADQPVERYAENKQLVSPYERRQILHALGQRDCCVMPWCDGACDCCVSS	0	0	0	0
	Conotoxin TsMLCL-04	Q9BPD9	MLCLPVFIILLLLASPAAPNPLETRIQRDLIRAALEDADMKTNERFLEGVISTIKDFAGKVCCSVSVNFCCPTA	3	0	0	3
	Conotoxin TsMLCL-03	Q9BPE3	MLCLPVFIILLLLASPAAPNPLERRIQSDLIRTALEDADMKTPKGVLSGIMSNLGTVGNMVGGFCCTVYSGCCSEK	2	0	0	2
	Conotoxin TsMLKM-02	Q9BPH4	MLKMGVVLFTFLVFLPLATLQLDADQPVERYAENKQGLNPDESREIILSALRQRDCCEQGWCDGGCDCCQ	1	0	0	1
	Conotoxin TsMRCL-05	Q9BPE5	MHCLPVLVILLLLIASTPSVDARPNPKDDVPLASFHGAVNAKRYLRTLWNSRDCCDPKEPCCFIG	7	4	2	13
	Conotoxin TsMRCL-04	Q9BPF5	MRCLPVFIILLLLIPSAASAAQPETKDDAALASFYDNAKRTLQRHWAKSLCCPEDAWC CSHDEGK	6	2	1	9
	Conotoxin Ts5.5 (Fragment)	Q9BP46	PNPLERRIQSDLIRAALEDADMKTDESVFEGVISTIKDFAVKVCCSVSLKFCCPTA	1	0	0	1
	Conotoxin Ts-03	Q9BPF6	MRCLPVFIILLLLIPSAASVAQPKTKDDVALASFYDNAKRTLQRHWAKSLCCPEDAWC C	6	2	3	11
	Conotoxin TsMLCL-02	Q9BPD7	MLCLPVFIILLLLASPAAPNPLERRIQSDLIRAALEDADMKTEKGILSSIMGTGKIVGLA P	2	0	0	2
	Conotoxin TsMEKL-02 (Fragment)	Q9BP49	NNPPCCSGYVCEGVYCAVDV	0	0	0	0
	Conotoxin	S4UJR4	MLCLPVFIILLLLASPAAPNPFETKLQSDSTRADADXETDKNLDAVRKAICCDVFPGTD CCMG	1	0	0	1
	Conotoxin	Q9BPD8	MLCLPVFIILLLLASPAAPNPLERRIQSDLIRAVLEDADMKTEKGILSSIMGALGGIVG	2	0	0	2
<i>Conus eburneus</i>	Delta-conotoxin-like ErVIA (Fragment)	A0A0F6QDA5	LNKRCAGIGSFCGLPGLVDCCSGRCFIVCLP	0	0	0	0
<i>Conus abbreviatus</i>	Conotoxin AbVIA (Fragment)	Q9TVY1	VLIIAVLFLTACQLTTAVTSSRGEQKHRALRSTDKKFKVALLCSPPGSYCFGPAACCSNFCSTLSDVCQESWSG	7	8	4	19
	Conotoxin AbVII (Fragment)	Q9TVR4	VLIIAVLFLTACQLTTAETSSRGKQKHRALRSTDKNRMTKRCTPAGDACDATTECCILFCNLATKKCQVPTFP	13	13	7	33
	Conotoxin AbVID (Fragment)	Q9UA91	VLIIAVLFLTACQLTTAETSSRGEQEHLLRSTDKNRMTKRCTPRHGVCFYFYFCCSKACNPSSKRCL	9	8	4	21

	Conotoxin AbVIH (Fragment)	Q9UA95	VLIIAVLFLTACQLTTAETSSRGKQKHRALRSTDKDSRMTKRCTPAGDACDATTKCCIPFCNLATKKCQVPTFP	12	10	7	29
	Conotoxin AbVIO (Fragment)	Q9TVQ7	VIIIAVLFLTACQLIATASYARSERKHPDLRLSSRNSKLSKRCLGSRELCVRDTSCCSMSCTNNICF	10	8	6	24
	Conotoxin AbVIG (Fragment)	Q9TVX4	VLIIAVLFLTACQLTTAETSSRGKQKHRALRSTDKNSRMTKRCTAPGGACYAAYTCCSNACNLNTKKCVLS	12	11	8	31
	Conotoxin AbVIN (Fragment)	Q9TVQ6	VIIIAVLFLTACQLIATASYARSERKHPDLRLSSRNSKLSKRCLGSREQCVRDTSCCSMSCTNNICF	10	8	6	24
	Conotoxin AbVIE (Fragment)	Q9UA85	VLIIAVLFLTACQLTTAETSSRGKQKHRALRSTDKYSRMTKHCTPPEVGCLFAYECCSKI CWRPRCYP	13	10	10	33
	Conotoxin AbVIM (Fragment)	Q9UA72	VLIIAVLFLTACQLIATASYARSERKHPDLRLSSRNSKLSKRCLGSRELVRDTSCCSMSCTNNICF	10	6	5	21
	Conotoxin AbVIB (Fragment)	Q9UA83	VIIIAVLFLTACQLTTAETSSRGKQKHRALRSTDKNSKLTRGCTPPGGACGGHAHCCSQSCDILASTCNA	10	9	8	27
	Conotoxin AbVIF (Fragment)	Q9TVK3	VLIIAVLFLTACQLTTAETSSRGKQKHRALRSTDKNSRMSKRCTPPGGYCYHPDPCCSQVCNFPKRHCL	15	12	10	37
	Conotoxin AbVIC (Fragment)	Q9TVU1	VLIIAVLFLTACQLTTAETSSRGKQKHRALRSTDKNSKLTRGCTPPGGACGGHAHCCSQSCNILASTCNA	10	9	8	28
	Conotoxin AbVIK (Fragment)	Q9UA71	VLIIAVLFLTACQLTTAETSSRGKQKHRALRSTDKNSRMTKRCTPAGGACDATTECCILFCNLATKKCQVPTFP	13	12	7	32
	Conotoxin AbVIJ (Fragment)	Q9UA93	VLIIAVLFLAACQLTTAETSSRGKQKHRALRSTDKNSRMTKRCTPAGDACDATTECCILFCNLATKECQVPAFP	13	13	7	33
	Conotoxin AbVIL (Fragment)	Q9UA86	VLIIAVLFLTACQLTTAETSSRGEQKHRAPRSTDKNSRMTKRCTPGGEACDATTNCCFLTCLATNKCRSPNFP	12	11	5	28
	Four-loop conotoxin ABVIA (Fragment)	Q9UA79	VLIIAVLFLTACQLTTAETSSRGEQKHRALRSTDKKFKVALLCSPPGSYCFGPAACCSNFCSTLSDVCQESWSG	7	8	3	18
	Four-loop conotoxin (Fragment)	B3FTN1	HCTYHRHCCDLYCNKTTNVCL	0	0	0	0
<i>Conus pennaceus</i>	Alpha-conotoxin PnIB	P50985	MGMRMMFTVFLVLVLTAVVSFTSDRASDDGNAAASDLIALTIKGCCSLPPCALSNDYCG	0	0	0	0
	Gamma-conotoxin PnVIIA	P56711	MEKLTILLVAAVLMSTQAQNEQRQQAQINFLSKRKPSAERWRRDCTSWFGRCTVNSECCSNSCDQTYCELYAFPSFGA	13	10	9	32

Omega-conotoxin PnVIA	P56712	MKLTCMMIIAVFLTAWTFVMADDPREDEPEARDEMNPAAASKLNERGCLEVDYFCGI PFANGLCCSGNCVFVCTPQGK	0	0	0	0
Mu-conotoxin PnIVB	P58927	MMSKLGVLIIICLLCPLTAVPQDGDQPADQPAERMQDDISSEHHPFFDPVKRCCKY GWTCWLGCSPCGC	1	0	0	1
Omega-conotoxin PnVIB	P56713	MKLTCMMIVAVFLTAWTVVTAEPHSSNVLENLYLKAHHEMENPEASKLNTRDDDC EPPGNFCGMIKIGPPCCSGWCFFACA	1	0	0	1
Mu-conotoxin pn4c (Fragment)	Q9BP55	DQPAERMQDDISSEHHPFFDPVKRCCKYGWTCVLGCSPCGC	1	0	0	1
Alpha-conotoxin Pn1.2	P0DM23	MFTVFLVLVLTAVVSFTSDRASDGGNAAMSDLIALTIGCCSHPPCFLNNPDYCG	0	0	0	0
Alpha-conotoxin-like PnMGMR-02	Q9BP56	MGMRMMFTVFLVLVLTAVVSFTSDRASDGGNAAASDLIALTIGCCSRPPCALSNP DYCG	1	0	0	1
Mu-conotoxin-like PnMKLT1-014	Q9U657	MNLTMMIVAVFLTAWTFVMADDSNNGLANLFSKSRYEMEDPEPSKLEKRKTCQ RRWDFCPGALVGIVTCCGGLICLGVMCI	9	3	1	13
Conotoxin PnMSGL-03	Q9BP63	MSRLGIMVLTLVLVFIIVTSHQDAGEKQATQRDAINFRWRRSLIRRTATEEECEYEDE EKTCCGLEDGEPVCATTCLG	10	10	5	25
Conotoxin PnMSGL-01	Q9BP64	MSGLGIMVLTLVLVFMETSHQDAGEKQAMQRDAINVRRRSITRRVSEACEESCED EEKHCCHENNGVYTCLRYCWG	11	11	6	28
Conotoxin PnMLKM-011	Q9BP11	MGVVLFIPLVFLPLATLQDPDQPVRYAENKQLLPDERRGILHALGQRVCCPPESC TDRCLCCLG	0	0	0	0
Conotoxin PnMKLT1-0121	Q9U660	MKLTCMMIVAVFLTAWTFATADDPRNRLENFFSKTQHEMKNPEASKLNKRCIAESE PCNIITQNCCDGKCLFFCIQIPE	2	0	0	2
Conotoxin PnMKLT1-1111	Q9U662	MKLTCMMIVAVFLTAWTVVAVPHSNKRLANLYLKARHEMKNPEASNVDKRCFES WVACESPKRCCSHVCLFVCA	3	2	1	6
Conotoxin PnMEKL-04	Q9BPA6	MEKLTILLVAAVLMSTQALPQGGGENRLKENIKFLLKRKTAADRGMWGDCDDWLA ACTTPSQCTEVCDGFCRLWE	7	5	3	15
Conotoxin Pn-014	Q9BH86	MRCLPVFVILLILLIASAPSVDPARPKTKDDIPLVSFQDHAKRILQTFESRYDCCKTFECCH WG	2	0	0	2
Conotoxin PnMRCL-0111	Q9BPF8	MHCLSVFVILLILLTASAPSVDAQPKTEDDVPLSSFHDDLQRTVRTLLDIRMCCLGTSGC CPWG	1	0	0	1
Chi-conotoxin-like PnMRCL-013	Q9BPE9	MRCLPVFVILLILLTASGPSVDAKVHLKTKGDGPLSSFRDPAKSTLQRLQDKSTCCGYR MCVPCG	1	0	0	1

	Conotoxin PnMLKM-013	Q9BPH5	MLKMGVLLFTFLVLFPLATLQLDADQPVEQYAGNKQDLNPDEKREMILPALRQWQCCTMAWCDSGCLCCE	1	0	0	1
	Conotoxin PnMRCL-0111	Q9BPF4	MRCLPVFIVLLLLIVSAPGFDARPKTEDDVPLSSFHDDLQRTVRTLLDIRMCCLGTSGC CPWG	1	0	0	1
	Conotoxin Pn-B02	Q9BPG8	MRCLPVFIILLLLIASAPSFDAIPKTEDNVPLSSFHDNLKRTTRRIHLNIRECCSDGWCCP AG	8	7	3	18
	Conotoxin Pn-B01121	Q9BPF3	MCCLPVFVILLLLIASAPSVDAIPKTKDDMSLASFHDNAKRTLQILSNKRYCCVYDYSC CLSWG	2	0	0	2
	Conotoxin PnMLCL-01	Q9BPE2	MLCLPVFIILLLLASPAASNPLEKRIQSDLIRAALEDADTKNDPRLLDYVTGACCAGLNF VCCGKK	2	0	0	2
	Conotoxin Pn-B01411	Q9BPE7	MRCFPVFIILLLLMASAPSFDAIPKTEDDVPLSSFHDNLKRTLRTLLDPRRCYETPGCC VIG	12	9	7	28
	Conotoxin PnMRCL-022	Q9BPH2	MRCLPVFVILLLLIATPSVNARPKTKDLASFHDNAKRTQHIFWSKRNCIYENWCCE WI	7	2	1	10
	Conotoxin Pn-B0151	Q9BPG0	MRCLPVFVILLLLIATPSVDALQKTKDDMPLASFHDNVKRLQTLNKRSCCPTILSCC FV	2	1	1	4
	Conotoxin Pn-B01122	Q9BPF1	MRCLPVFVILLLLIASAPSVDAIPKTKDDIPLVSFQDNAKRALQILSNKRYCCYFDYSCC LYLR	3	0	0	3
	Conotoxin	Q9BPF0	MRCLPVFVILLLLIASGPSIDARPKTKDDVPLSSFHARPKTKDDVPLSSFRGNAERTQQ RAMEPWTRVV	7	1	1	9
	Conotoxin	Q9BH99	MHCLSVFVILLLLTASAPSVDAQPKTEDGVLLSSFRDNAERTLQKLWNHARDWCDPC PWG	1	0	0	1
<i>Conus coronatus</i>	Alpha-conotoxin-like	S4UKH7	MGMRMMFTVFLVLVLTAAVSFTSDRAYDGGNDAAKAFDWIALTARHECCSYPAC AYTHPELCGGRR	0	0	0	0
	A superfamily conotoxin Co1.1	S4UJD2	MGMRMMSTVFLVLVLTAAVSFTLDRASDGGDAAKAFDLALTARLDCCDIHAC WSAHPCLCGGRR	0	0	0	0
	A superfamily conotoxin Co1.3	S4UJN8	MGMRMMFTVFLVLVLTAVVSFNSDRASHGRNAAKVFRIALITRECCANPQC WSKNCR	3	3	0	6
	A superfamily conotoxin Co1.2	S4UKH6	MGMRMMFTVFLVLVLTAAVSSTSDRASDGRNTASKVFDLIALTAREDCCFIDDCW ASHPEACGGGMELLRQDPLNRDMPPSA	0	0	0	0
	A superfamily conotoxin Co1.6	S4UJD3	MGMRMMFTMFLVLVLTAAVSYSYSDRGPTSDGGNAAKAFDLMALIARDDCCLV ASCWQRYPERCGGGR	2	0	0	2

	Four-loop conotoxin (Fragment)	A9P3W5	VLIIAVLLLTACQLTTAETSSRGKQKHRALRSTDKNSRMTKRCTPAGKACDATATCCVL FCNLVTNKCQVPRFP	14	13	9	36
	Four-loop conotoxin (Fragment)	A9P3W2	VMIVAVLFLTACQLTTAETSSRGKQKHRALRSTDKNSRMTKRCTSPGGACYSASTCCS KACNLTTKRCVLS	14	11	7	32
	Four-loop conotoxin (Fragment)	A9P3W9	VLIVAVLFLTACQLTTAETSSRGKQKHRALRSTDKNSKMTRCTDPGGACGNPGHCCS KFCITTSSTCN	8	8	6	22
<i>Conus frigidus</i>	Contryphan-Fr1	A0A1P8NVT3	MGKLTILVLVAAVLLSTQVMVQGDRDQPADRDVPRDDKPGGTSGKFMNVLRRSG CPWDPWCG	2	0	0	2
	Alpha-conotoxin-like (Fragment)	A0A1S5TAG0	AASKKASALVAQIADRDCCNDPACAVNNPGLCT	0	0	0	0