

Table S2 The sequence of 3505 cell-penetrating peptides with a length of 10, 15, and 20 amino acids in each toxin

Species	Toxin name	CPP (10)		CPP (15)		CPP (20)	
Stichodactyla haddoni	KappaPI-stichotoxin-Shd2a B1B518	CPP10-1 CPP10-2	KLYFLLCLAL PKCRGYFPRY				
	Delta-stichotoxin-Shd3a B1B519	CPP10-3 CPP10-4 CPP10-5 CPP10-6	SVVKRAACKC TAVASCCRKK AVASCCRKKK VASCCRKKKG			CPP20-1	GWEKCTAVYTAVAS CCRKKK
	Kappa-stichotoxin-Shd5a E2S062	CPP10-7 CPP10-8 CPP10-9 CPP10-10 CPP10-11 CPP10-12 CPP10-13	ENGFQKRRSC NGFQKRRSCI FQCKHSMKYR KHSMKYRLSF MKYRLSFCRK KYRLSFCRKT RLSFCRKTCG	CPP15-1 CPP15-2 CPP15-3 CPP15-4 CPP15-5	NGFQKRRSCIDTIPQ QCKHSMKYRLSFCRK CKHSMKYRLSFCRKT KHSMKYRLSFCRKTC HSMKYRLSFCRKTCG	CPP20-2	RCTAFQCKHSMKYR LSFCRK
Chironex fleckeri	Toxin CfTX-1 A7L035	CPP10-14 CPP10-15 CPP10-16 CPP10-17 CPP10-18 CPP10-19 CPP10-20 CPP10-21	KIDAKMPSGK VQRIKIKPK QRIKIKPKT RIKIKPKTE FLSYLPREK KTTQHDPKIC GNYILFTHKR KREIYLLSSK	CPP15-6 CPP15-7	FIAMVVQRIKIKPK QRIKIKPKTESEIK	CPP20-3	YQGVRFIAMVVQRI KIKPK
	Toxin CfTX-2 A7L036	CPP10-22 CPP10-23 CPP10-24 CPP10-25 CPP10-26 CPP10-27 CPP10-28 CPP10-29 CPP10-30 CPP10-31 CPP10-32 CPP10-33	SLKAKIDIKK KAKIDIKKPT KIDIKKPTGK KQLFDKVKSM VQRIKIKPK QRIKIKPKT RIKIKPKTE FLSYLPKEK DLRVGLKLEK KTYGRDPRTC KGQKAYLLST QKAYLLSTKK	CPP15-8 CPP15-9 CPP15-10 CPP15-11 CPP15-12 CPP15-13 CPP15-14 CPP15-15 CPP15-16	SGLASLKAKIDIKK GLASLKAKIDIKKPT ASLKAKIDIKKPTGK KIDIKKPTGKQLFDK KKPTGKQLFDKVKSM FIAMVVQRIKIKPK QRIKIKPKTESEIK KGQKAYLLSTKKWPH GQKAYLLSTKKWPHN	CPP20-4 CPP20-5	LKAKIDIKKPTGKQLF DKVK YQGVRFIAMVVQRI KIKPK

		CPP10-34 CPP10-35	KAYLLSTKKW YLLSTKKWPH				
Acanthaster planci	Plancitoxin-1 Q75WF2	CPP10-36	WNRQLNLQSK	CPP15-17	SPPWNRQLNLQSKSG		
Pterois volitans	Pvtoxin-b F2ZAF1	CPP10-37 CPP10-38 CPP10-39 CPP10-40 CPP10-41 CPP10-42 CPP10-43 CPP10-44 CPP10-45 CPP10-46 CPP10-47 CPP10-48 CPP10-49 CPP10-50 CPP10-51 CPP10-52 CPP10-53 CPP10-54 CPP10-55 CPP10-56 CPP10-57 CPP10-58	DARKVRLIPG RKVRLIPGFT KYLDDRKKFK DRKKFKNQSR RKKFKNQSRV KKFKNQSRVT SSTPILRKVR STPILRKVRN TPILRKVRNT LDSPTSKPKK DSPTSKPKKL SPTSKPKCLR PTSKPKKLRP TSKPKKLRRS SKPKKLRPST KPKKLRPSTK KKLRRPSTKY KLRRPSTKDYW MMRAKAHHFR RAKAHHFRNL NHIFDAKTK HIFDAKTKV	CPP15-18 CPP15-19 CPP15-20 CPP15-21 CPP15-22 CPP15-23 CPP15-24 CPP15-25 CPP15-26 CPP15-27 CPP15-28 CPP15-29 CPP15-30 CPP15-31	GSAKYLDDRKKFKNQ KYLDDRKKFKNQSRV RKKFKNQSRVTLQYK KLMADSSTPILRKVR MLNLRRTIAEKLQSI SDFLDSPTSKPKCLR DFLDSPTSKPKKLRRP FLDSPTSKPKKLRRPS LDSPTSKPKKLRRPST DSPTSKPKKLRRPSTK SPTSKPKKLRRPSTKD KPKKLRRPSTKDYWYI KAHHFRNLALDMDNR KKTKNVNVSSPGFKKL	CPP20-6	KYLDDRKKFKNQSR VTLQYK

	Pvtoxin-a F2ZAF0	CPP10-59 CPP10-60 CPP10-61 CPP10-62 CPP10-63 CPP10-64 CPP10-65 CPP10-66 CPP10-67 CPP10-68 CPP10-69 CPP10-70 CPP10-71 CPP10-72 CPP10-73 CPP10-74 CPP10-75 CPP10-76 CPP10-77 CPP10-78 CPP10-79 CPP10-80 CPP10-81 CPP10-82 CPP10-83 CPP10-84 CPP10-85 CPP10-86 CPP10-87	DSRKDRLIPG RKDRLIPGFT KYLDDRKKFK DRKKFKNQSR RKKFKNQSRV KKFKNQSRVT SAITDRFSCK SSISILRRVR SISILRRVRN ISILRRVRNT SILRRVRNTL LDSPDSRPKR DSPDSRPKRT SPDSRPKRTR PDSRPKRTRP DSRPKRTRPP SRPKRTRPPA RPKRTRPPAT PKRTRPPATE DNRRVRFLVA RRVRFLVASI KAVSGKPKP KAVSGKPKPS VLCKKQLIRR CKKQLIRRH KKQLIRRH W Y WE WEIK	CPP15-32 CPP15-33 CPP15-34 CPP15-35 CPP15-36 CPP15-37 CPP15-38 CPP15-39 CPP15-40 CPP15-41 CPP15-42 CPP15-43 CPP15-44 CPP15-45	GSAKYLDDRKKFKNQ KYLDDRKKFKNQSRV RKKFKNQSRVTLQYK KLMADSSISILRRVR SSISILRRVRNTLEA DYLDSPDSRPKRTRP YLDSPDSRPKRTRPP LDSPDSRPKRTRPPA DSPDSRPKRTRPPAT SPDSRPKRTRPPATE DSRPKRTRPPATEYW RPKRTRPPATEYWYA KKQLIRRH Y WEIKWS W SG	CPP20-7	KYLDDRKKFKNQSR VTLQYK
Scorpaena plumieri	Cytolytic toxin- alpha A0A2P1BRQ0	CPP10-88 CPP10-89 CPP10-90 CPP10-91 CPP10-92 CPP10-93 CPP10-94 CPP10-95 CPP10-96 CPP10-97 CPP10-98 CPP10-99 CPP10-100	YDARREKLIP KVTTTFKQFK LEDLHKLKRR DLHLKRRAN HKLKRRANDS KLKRRANDSL KKLKNFQKNY MTTFRRTISQ FRRTISQKLQ LKSPNSRPAR KSPNSRPARV SPNSRPARVR PNSRPARVRP	CPP15-46 CPP15-47 CPP15-48 CPP15-49 CPP15-50 CPP15-51 CPP15-52 CPP15-53 CPP15-54 CPP15-55 CPP15-56	LQYKVTTTFKQFKAP KVHSEDLHLKLR YMTTFRRTISQKLQ S MTTFRRTISQKLQ SI FRRTISQKLQSIRK G ALRDYLKSPNSRPAR DYLKSPNSRPARVRP YLKSPNSRPARVRPV LKSPNSRPARVRPVV KSPNSRPARVRPVV T KAHLFRSLAKDMENR	CPP20-8 CPP20-9 CPP20-10 CPP20-11 CPP20-12 CPP20-13 CPP20-14	MAGLGRPFTLGLFY DARREK GRPFTLGLFYDARRE KLIPG QGLVRKVHSEDLH KLKRR GLVRKVHSEDLHK LKRRA KKLKNFQKNYSYDM TTFRRT ALRDYLKSPNSRPAR VRPVV KGARRSVSYFISDLA

		CPP10-101 CPP10-102 CPP10-103 CPP10-104 CPP10-105	NSRPARVRPV SRPARVRPVV REKAHLFRSL KAHLFRSLAK TSWTLMFIPK				FPPL
	Cytolytic toxin-beta A0A2P1BRP3	CPP10-106 CPP10-107 CPP10-108 CPP10-109 CPP10-110 CPP10-111 CPP10-112 CPP10-113 CPP10-114 CPP10-115 CPP10-116 CPP10-117 CPP10-118 CPP10-119 CPP10-120 CPP10-121 CPP10-122 CPP10-123 CPP10-124 CPP10-125 CPP10-126 CPP10-127 CPP10-128 CPP10-129 CPP10-130 CPP10-131 CPP10-132 CPP10-133 CPP10-134 CPP10-135	GALYDARKDK KYLNDTKKFK KKFKNQSRVT SSTPILRKVR STPILRKVRN TPILRKVRNT LKKKLKTFQK KKKLKTFQKH KKLKTFQKHY RLHVNPFRRKN GKGTKMKLQCL KGTKMKLQCL MKLQCLPTFR CLPTFRNKLRL LPTFRNKLRS PTFRNKLRS FRNKLRS RNKLRS DFSKSIKPKK FSKSIKPKKY SKSIKPKKY KSIKPKKYSP IKPKKYSPSK KPKKYSPSKK KKYSPSKKDY KKAMSGKPQP GITYKGIQRK HHIYNNKKVR KKVRVKVSP KNANGQIKLK	CPP15-57 CPP15-58 CPP15-59 CPP15-60 CPP15-61 CPP15-62 CPP15-63 CPP15-64 CPP15-65 CPP15-66 CPP15-67 CPP15-68	GSAKYLNDDTKKFKNQ LKKKLKTFQKHRYERL GKGTKMKLQCLPTFR MKLQCLPTFRNKLRS KLQCLPTFRNKLRS CLPTFRNKLRS LNALSDFSKSIKPKK DFSKSIKPKKYSPSK FSKSIKPKKYSPSKK SKSIKPKKYSPSKKD KSIKPKKYSPSKKDY KPKKYSPSKKDYWT	CPP20-15 CPP20-16 CPP20-17	KYLNDTKKFKNQSRV TLQYK KLKTFQKHRYERLHV NPFRRKN KGTKMKLQCLPTFR NKLRS

Synanceia horrida	Stonustoxin subunit alpha Q98989	CPP10-136	MLYDARREKL	CPP15-69	TKKYQNQSRVTLKYK	CPP20-18	MPALGRPFTLGMLY
		CPP10-137	YDARREKLIP	CPP15-70	KKYQNQSRVTLKYKA	CPP20-19	DARREK
		CPP10-138	NQSRVTLKYK	CPP15-71	RIHTTLEELHKLKRR	CPP20-20	KYLNNTKKYQNQSR
		CPP10-139	QSRVTLKYKA	CPP15-72	IHTTLEELHKLKRRRA	CPP20-21	VTLYKY
		CPP10-140	SRVTLKYKAT	CPP15-73	KIIDDRAQSPFSNEK	CPP20-22	VSKVRRIHHTTLEELHK
		CPP10-141	KMEAAIKKIP	CPP15-74	SEHGKRQNYPKHPER	CPP20-23	LKRR
		CPP10-142	PMKVWLAPLK	CPP15-75	KIGYIERHKKREYNV	CPP20-24	SKVRRIHHTTLEELHKL
		CPP10-143	MKVWLAPLKS	CPP15-76	IGYIERHKKREYNVR	CPP20-25	KRRA
		CPP10-144	SKVRRIHHTL	CPP15-77	GYIERHKKREYNVRA		KVRRIHHTTLEELHKLK
		CPP10-145	LEELHKLKRR	CPP15-78	RHKKREYNVRAPNPG		RRAN
		CPP10-146	EELHKLKRRRA				KIGYIERHKKREYNV
		CPP10-147	ELHKLKRRAN				RAPNP
		CPP10-148	HKLKRRANEA				ERHKKREYNVRAPN
		CPP10-149	KKIAEKLPLV				PGFKRL
		CPP10-150	KIAEKLPLVR				RHKKREYNVRAPNP
		CPP10-151	KIIDDRAQSP				GFKRLG
		CPP10-152	KMQQRAQTFC				
		CPP10-153	RMPFVQGYKK				
		CPP10-154	KKRSDDLWYA				
		CPP10-155	HGKRQNYPKH				
		CPP10-156	GKRQNYPKHP				
		CPP10-157	RQNYPKHPER				
		CPP10-158	KIGYIERHKK				
		CPP10-159	IGYIERHKKR				
		CPP10-160	GYIERHKKRE				
		CPP10-161	YIERHKKREY				
		CPP10-162	RHKKREYNVR				
		CPP10-163	KKREYNVRAP				
		CPP10-164	RAPNPGFKRL				
		CPP10-165	KRLGLFLDWR				
	Stonustoxin subunit beta Q91453	CPP10-166	KYLNNQKKFK	CPP15-79	GSAKYLNQKKFKNQ	CPP20-26	KYLNNQKKFKNQSR
		CPP10-167	LNNQKKFKNQ	CPP15-80	QKKFKNQSRVTLQYK	CPP20-27	VTLQYK
		CPP10-168	NQKKFKNQSR	CPP15-81	KLQATIAKKLFAIRS	CPP20-28	QKICDDHMSKLQATI
		CPP10-169	KKFKNQSRVT	CPP15-82	LRSCMDILTAKAPKV	CPP20-29	AKKLF
		CPP10-170	SSTPILRKVR	CPP15-83	NEFLDSPQSRPKCLR		REINVLRSMDILTK
		CPP10-171	STPILRKVRN	CPP15-84	EFLDSPQSRPKLRP		AKPKV
		CPP10-172	TPILRKVRNT	CPP15-85	FLDSPQSRPKLRPS		NEFLDSPQSRPKCLR
		CPP10-173	KLQATIAKKL	CPP15-86	LDSPQSRPKLRPSP		PSPKD
		CPP10-174	MDILTAKAPK	CPP15-87	DSPQSRPKLRPSPK		
		CPP10-175	DILTAKAPKV	CPP15-88	SPQSRPKLRPSPKD		
		CPP10-176	LDSPQSRPKK	CPP15-89	PQSRPKLRPSPKDY		
		CPP10-177	DSPQSRPKKL	CPP15-90	SRPKLRPSPKDYWY		

		CPP10-178 CPP10-179 CPP10-180 CPP10-181 CPP10-182 CPP10-183 CPP10-184 CPP10-185 CPP10-186 CPP10-187	SPQSRPKKLR PQSRPKKLRP QSRPKKLSP SRPKKLSP RPPKLRSPK PKKLSPSPK KKLSPSPK KLSPSPKDYW KAYLFRNLAK QQIHNSKKTR	CPP15-91 CPP15-92	RPKKLRSPKDYWYS KAYLFRNLAKEMNNR		
Synanceia verrucosa	Neoverrucotoxin subunit alpha AOZSK3	CPP10-188 CPP10-189 CPP10-190 CPP10-191 CPP10-192 CPP10-193 CPP10-194 CPP10-195 CPP10-196 CPP10-197 CPP10-198 CPP10-199 CPP10-200 CPP10-201 CPP10-202 CPP10-203 CPP10-204 CPP10-205 CPP10-206 CPP10-207 CPP10-208 CPP10-209 CPP10-210 CPP10-211 CPP10-212	MLYDTRREKL YDTRREKLIP NQSRVTLKYK QSRVTLKYKA SRVTLKYKAT PMKVWLPLK MKVWLPLKK KVWLPLKKF PLKKFFSKAK KKFFSKAKLL KFFSKAKLLT SKVRRIHHTL ELYKLKRRAN YKLKRRANEA KKIAEKLPLV KIAEKLPLVR KIIDDRAKSP TRVVLKMKQR KMKQRAQTFC KQRAQTCDH RMPFVQGYKK KKRSDLLWYA HGKRQNYPKH GKRQNYPKHP RQNYPKHPER	CPP15-93 CPP15-94 CPP15-95 CPP15-96 CPP15-97 CPP15-98 CPP15-99 CPP15-100 CPP15-101 CPP15-102 CPP15-103	TKKYQNQSRVTLKYK KKYQNQSRVTLKYKA MKVWLPLKKFFSKA KVWLPLKKFFSKAK WLVPLKKFFSKAKLL LVPLKKFFSKAKLLT IHTTLEELYKLKRR KWCFSTRVVLKMKQR WCFSTRVVLKMKQRA SEHGKRQNYPKHPER GKRQNYPKHPERFLC	CPP20-30 CPP20-31 CPP20-32	KYLNNQKKYQNQSR VTLKYK SKVRRIHHTTLEELYKL KRR KVRRIHTTLEELYKLK RRAN
	Neoverrucotoxin subunit beta AOZSK4	CPP10-213 CPP10-214 CPP10-215 CPP10-216 CPP10-217 CPP10-218 CPP10-219	KYLNNQKKFK LNNQKKFKNQ NQKKFKNQSR KKFKNQSRVT SSTPILRKVR STPILRKVRN TPILRKVRNT	CPP15-104 CPP15-105 CPP15-106 CPP15-107 CPP15-108 CPP15-109 CPP15-110	GSAKYLNNQKKFKNQ QKKFKNQSRVTLQYK KLQATIAKKLFAIRS LKSCMDILTAKPKV NDFLDSQSRPKKLR DFLDSQSRPKKLRP FLDSQSRPKKLSP	CPP20-33 CPP20-34 CPP20-35 CPP20-36 CPP20-37	KYLNNQKKFKNQSR VTLQYK KKFKNQSRVTLQYKA TTNFK QIICDDHMSKLQATI AKKLF REINVLKSCMDILTK

		CPP10-220 CPP10-221 CPP10-222 CPP10-223 CPP10-224 CPP10-225 CPP10-226 CPP10-227 CPP10-228 CPP10-229 CPP10-230 CPP10-231 CPP10-232 CPP10-233 CPP10-234 CPP10-235 CPP10-236 CPP10-237	KLQATIAKKL KSCMDILTKA MDILTAKAPK DILTAKAPKV LDSPQSRPKK DSPQSRPKKL SPQSRPKKLR PQSRPKKLRP QSRPKKLRPS SRPKKLRPSP RPKKLRPSPK PKKLRPSPKD KKLRPSPKDY KLRPSPKDYW MMREKAHLFR REKAHLFRNL KAHLFRNLAK KSWVFEYTKK	CPP15-111 CPP15-112 CPP15-113 CPP15-114 CPP15-115 CPP15-116 CPP15-117	LDSPQSRPKKLRPSP DSPQSRPKKLRPSPK SPQSRPKKLRPSPKD PQSRPKKLRPSPKDY SRPKKLRPSPKDYWY RPKKLRPSPKDYWYS KAHLFRNLAKEMNNR		AKPKV NDFLDSPQSRPKKLR PSPKD
	Verrucotoxin subunit beta Q98993	CPP10-238 CPP10-239 CPP10-240 CPP10-241 CPP10-242 CPP10-243 CPP10-244 CPP10-245 CPP10-246 CPP10-247 CPP10-248 CPP10-249 CPP10-250 CPP10-251 CPP10-252 CPP10-253 CPP10-254 CPP10-255 CPP10-256 CPP10-257 CPP10-258 CPP10-259 CPP10-260 CPP10-261	KYLNNQKKFK LNNQKKFKNQ NQKKFKNQSR KKFKNQSRVT SSTPILRKVR STPILRKVRN TPILRKVRNT KLQATIAKKL KSCMDILTKA MDILTAKAPK DILTAKAPKV LDSPQSRPKK DSPQSRPKKL SPQSRPKKLR PQSRPKKLRP QSRPKKLRPS SRPKKLRPSP RPKKLRPSPK PKKLRPSPKD KKLRPSPKDY KLRPSPKDYW MMREKAHLFR REKAHLFRNL KAHLFRNLAK	CPP15-118 CPP15-119 CPP15-120 CPP15-121 CPP15-122 CPP15-123 CPP15-124 CPP15-125 CPP15-126 CPP15-127 CPP15-128 CPP15-129 CPP15-130 CPP15-131 CPP15-132 CPP15-133 CPP15-134 CPP15-135 CPP15-136 CPP15-137 CPP15-138 CPP15-139	GSAKYLNNQKKFKNQ QKKFKNQSRVTLQYK KLQATIAKKLFAIRS LKSCMDILTAKAPKV NDFLDSPQSRPKKLR DFLDSPQSRPKKLRP FLDSPQSRPKKLRPS LDSPQSRPKKLRPSP DSPQSRPKKLRPSPK SPQSRPKKLRPSPKD PQSRPKKLRPSPKDY SRPKKLRPSPKDYWY RPKKLRPSPKDYWYS KAHLFRNLAKEMNNR GNKRQCRGVRVTRRS NKRQCRGVRVTRRSL KRQCRGVRVTRRSLR RQCRGVRVTRRSLRE QCRGVRVTRRSLREF RGVVTRRSLREFSH GVRVTRRSLREFSHF VRVTRRSLREFSHFQ	CPP20-38 CPP20-39 CPP20-40 CPP20-41 CPP20-42 CPP20-43 CPP20-44 CPP20-45	KYLNNQKKFKNQSR VTLQYK KKFKNQSRVTLQYKA TTNFK QIICDDHMSKLQATI AKKLF REINVLKSCMDILTK AKPKV NDFLDSPQSRPKKLR PSPKD EGNKRQCRGVRVTR RSLREF NKRQCRGVRVTRRS LREFSH KRQCRGVRVTRRSL REFSHF

		CPP10-262 CPP10-263 CPP10-264 CPP10-265 CPP10-266 CPP10-267 CPP10-268 CPP10-269 CPP10-270 CPP10-271 CPP10-272 CPP10-273 CPP10-274	GNKRQCRGVR NKRQCRGVRV KRQCRGVRVT RQCRGVRVTR QCRGVRVTRR CRGVRVTRRS RGVRVTRRSL GVRVTRRSLR VRVTRRSLRE RVTRRSLREF TRRSLREFSH RRSLREFSHF KSWVFEYTKK				
Dendrochirus zebra	Tx alpha-subunit (Fragment) A0A068BGX9	CPP10-275 CPP10-276 CPP10-277 CPP10-278 CPP10-279 CPP10-280 CPP10-281 CPP10-282 CPP10-283 CPP10-284 CPP10-285 CPP10-286 CPP10-287 CPP10-288 CPP10-289 CPP10-290	GMLYDARKEK KMEAAIRKIP PMKVWLVLPLK MKVWLVLPLKK KVWLVLPLKKF RDISAGRVKK DISAGRVKKI ELFVLRRRCN QTIATKLPLI TIATKLPLIR KIAKDRAKSP GVILKMKQKA DTVKNRRYVR VKNRRYVRFL KNRRYVRFLA NRRYVRFLAA	CPP15-140 CPP15-141	LFVLRRRCNEALDDK KIAKDRAKSPFSNEK	CPP20-46 CPP20-47	MPALGRPFTLGMLY DARKEK GRVKKIHSIVEELFVL RRRC
	Tx beta-subunit (Fragment) A0A068BD83	CPP10-291 CPP10-292 CPP10-293 CPP10-294 CPP10-295 CPP10-296 CPP10-297 CPP10-298 CPP10-299 CPP10-300 CPP10-301 CPP10-302 CPP10-303	KYLNDSKKFK KKFKNQSRVT RKVLNNFKKI KKICNDYKLN KLNLRQRTIAK NLQRTIAKKL LQRTIAKKLL RTIAKKLLSI TIAKKLLSIR KMTVNIKKLQ VNIKKLQPPP NIKKLQPPPN KAHHFRNLAK	CPP15-142 CPP15-143 CPP15-144 CPP15-145	GSAKYLNDSKKFKNQ SKKFKNQSRVTLQYK KLNLRQRTIAKKLLSI KAHHFRNLAKDMNNR	CPP20-48 CPP20-49	KKICNDYKLNLRQTI AKKLL KDFSESPKMTVNIKK LQPPP

		CPP10-304 CPP10-305 CPP10-306	DRRALLWYDC KKAVSGKPKP KAVSGKPKPF				
	Tx gamma-subunit (Fragment) AOA068BFX2	CPP10-307 CPP10-308 CPP10-309 CPP10-310 CPP10-311 CPP10-312 CPP10-313 CPP10-314 CPP10-315 CPP10-316 CPP10-317 CPP10-318 CPP10-319 CPP10-320 CPP10-321 CPP10-322 CPP10-323 CPP10-324 CPP10-325 CPP10-326 CPP10-327 CPP10-328 CPP10-329 CPP10-330 CPP10-331 CPP10-332	DARKDRLIPG RKDRLIPGFT KYLDDRKKFK DRKKFKNQSR RKKFKNQSRV KKFKNQSRVT SAITDRFSCK SSLPILRRVR SLPILRRVRN LPILRRVRNT PILRRVRNTL LDSPTSKPKK DSPTSKPKKL SPTSKPKKL PTSKPKKLRP TSKPKKL RPS SKPKKL RPS KPKKL RPS KKL RPS KL RPS MMREKAHFR FDNQRRFER DNQRRFERY NQRRFERYQ QRRFERYQ GLSRRHYWEL	CPP15-146 CPP15-147 CPP15-148 CPP15-149 CPP15-150 CPP15-151 CPP15-152 CPP15-153 CPP15-154 CPP15-155 CPP15-156 CPP15-157 CPP15-158 CPP15-159 CPP15-160 CPP15-161	GSACYLDDRKKFKNQ KYLDDRKKFKNQSRV RKKFKNQSRVTLQYK KLMADSSLPILRRVR SLPILRRVRNTLEAM LPILRRVRNTLEAMR SDFLDSPTSKPKKL DFLDSPTSKPKKL FLDSPTSKPKKL RPS LDSPTSKPKKL RPS DSPTSKPKKL RPS SPTSKPKKL RPS KPKKL RPS KAHHFRNLALDMNNR AKPFDNQRRFERYQ KPFNQRRFERYQ	CPP20-50 CPP20-51	KYLDDRKKFKNQSR VTLQYK RRFERYQVLCNKG LSRRHY
Hydrophis hardwickii	Short neurotoxin 1 P68416	CPP10-333 CPP10-334	KTWSDHRGTR HRGTRIERGC	CPP15-162	KTWSDHRGTRIERGC		
	Cysteine-rich venom protein 1 Q8UW25	CPP10-335 CPP10-336 CPP10-337 CPP10-338 CPP10-339 CPP10-340 CPP10-341 CPP10-342	KHNALRRSVK HNALRRSVKPT NALRRSVKPT ALRRSVKPTA LRRSVKPTAR RAAQNAKRSA AQNAKRSA KRSADRCTFA	CPP15-163 CPP15-164 CPP15-165 CPP15-166 CPP15-167 CPP15-168 CPP15-169 CPP15-170	REIVDKHNALRRSVK IVDKHNALRRSVKPT DKHNALRRSVKPTAR KHNALRRSVKPTARN HNALRRSVKPTARNM NSRAAQNAKRSA EDTFSNCKALAKTK TFSNCKALAKTKCK	CPP20-52 CPP20-53 CPP20-54 CPP20-55 CPP20-56 CPP20-57 CPP20-58 CPP20-59	KKDYRREIVDKHNAL RRSVK KDYRREIVDKHNALR RSVKP KHNALRRSVKPTAR NMLQMK CEYEDTFSNCKALAK KTKCK

		CPP10-343 CPP10-344 CPP10-345 CPP10-346 CPP10-347 CPP10-348 CPP10-349 CPP10-350 CPP10-351 CPP10-352	HTRTVGKFRC FSCKALAKK SNCKALAKKT NCKALAKKTK CKALAKKTKC KALAKKTKCK ALAKKTKCKT KKTCKTEWI KCKTEWIKSK CKTEWIKSKC	CPP15-171 CPP15-172 CPP15-173 CPP15-174 CPP15-175	FSCKALAKKTKCKT CKALAKKTKCKTEWI KALAKKTKCKTEWIK KKTCKTEWIKSKCP KCKTEWIKSKCPATC		SNCKALAKKTKCKTE WIKSK CKALAKKTKCKTEWI KSKCP KALAKKTKCKTEWIK SKCPA ALAKKTKCKTEWIKS KCPAT
	Cysteine-rich venom protein 2 Q8UW11	CPP10-353 CPP10-354 CPP10-355 CPP10-356 CPP10-357 CPP10-358 CPP10-359 CPP10-360 CPP10-361	KHNALRRSVK HNALRRSVKP NALRRSVKPT ALRRSVKPTA LRRSVKPTAR HAAQNAKRSA AQNAKRSAADR KRSADRCTFA HTRTVGKFRC	CPP15-176 CPP15-177 CPP15-178 CPP15-179 CPP15-180	REIVDKHNALRRSVK IVDKHNALRRSVKPT DKHNALRRSVKPTAR KHNALRRSVKPTARN HNALRRSVKPTARNM	CPP20-60 CPP20-61	KKDYQREIVDKHNAL RRSVK KHNALRRSVKPTAR NMLQMK
	Long neurotoxin 1 Q8UW29	CPP10-362 CPP10-363 CPP10-364 CPP10-365 CPP10-366	YTRTCFRTPY TRTCFRTPYK RTCFRTPYKP GQNLCKYKSW GCTAKCPTVK	CPP15-181 CPP15-182 CPP15-183	DLAYTRTCFRTPYKP LAYTRTCFRTPYKPE TRTCFRTPYKPTCP		
	Long neurotoxin 2 A3FM53	CPP10-367 CPP10-368 CPP10-369 CPP10-370 CPP10-371	YTRTCYRTHP RTCYRTHPYK GQNLCKYKSW GCTAKCPTVK KCPTVKHGKD	CPP15-184 CPP15-185 CPP15-186	DLAYTRTCYRTHPYK LAYTRTCYRTHPYKP YTRTCYRTHPYKPET	CPP20-62	HPYKPETCPPGQNL CYKKS
Hydrophis cyanocinctus	Short neurotoxin 2 (Fragment) P62376	CPP10-372 CPP10-373	KTWSDHRGTR HRGTIERGC	CPP15-187	KTWSDHRGTIERGC		
	Short neurotoxin 1 P25494	CPP10-374 CPP10-375 CPP10-376	KTWSDHRGTR HRGTIERGC GCPQVKKGIK	CPP15-188	KTWSDHRGTIERGC		
Hydrophis schistosus	Short neurotoxin 1 P68415	CPP10-377 CPP10-378	KTWSDHRGTR HRGTIERGC	CPP15-189	KTWSDHRGTIERGC	CPP20-63	KKTWSDHRGTIER GCGCPQ

Hydrophis platurus	Pelamitoxin a P62388	CPP10-379 CPP10-380	KTWSDHRGTR HRGTRIERG	CPP15-190	KTWSDHRGTRIERG		
Conus textile	Conotoxin tx3c P58846	CPP10-381	KRCCRTCFG				
	Epsilon-conotoxin TxVA P81755	CPP10-382 CPP10-383 CPP10-384 CPP10-385 CPP10-386 CPP10-387 CPP10-388 CPP10-389 CPP10-390	LRDNLKRTIR RDNLKRTIRT DNLKRTIRTR NLKRTIRTRL LKRTIRTRLN KRTIRTRLNI RTIRTRLNIR TIRTRLNIRE RTRLNIRECC	CPP15-191 CPP15-192 CPP15-193 CPP15-194 CPP15-195 CPP15-196 CPP15-197 CPP15-198 CPP15-199	PLSSLRDNLKRTIRT SSLRDNLKRTIRTRL SLRDNLKRTIRTRLN LRDNLKRTIRTRLNI RDNLKRTIRTRLNIR DNLKRTIRTRLNIRE NLKRTIRTRLNIREC LKRTIRTRLNIRECC RTIRTRLNIRECCED	CPP20-64 CPP20-65	PLSSLRDNLKRTIRTR LNIR SLRDNLKRTIRTRLNI RECC
	Delta-conotoxin TxVIA Q9U655	CPP10-391 CPP10-392 CPP10-393 CPP10-394 CPP10-395	KNPEASKLNK EASKLNKRWC ASKLNKRWC SKLNKRWCQ KLNKRWCQS	CPP15-200	KNPEASKLNKRWCQ	CPP20-66	SNAHHQMKNPEAS KLNKRWC
	Alpha-conotoxin TxIA P0DM21	CPP10-396	KGCCSRPPCI				
	Conotoxin Tx3.5-a P0C1N7	CPP10-397 CPP10-398 CPP10-399 CPP10-400 CPP10-401 CPP10-402 CPP10-403 CPP10-404	HPLFDQKRRRC PLFDQKRRCC LFDQKRRCCCK FDQKRRCCCKF DQKRRCCCKFP QKRRCCCKFPC KRRCCCKFPCP RRCCCKFPCPD	CPP15-201 CPP15-202 CPP15-203 CPP15-204 CPP15-205 CPP15-206	QHPLFDQKRRCCCKFP HPLFDQKRRCCCKFPC PLFDQKRRCCCKFPCP LFDQKRRCCCKFPCPD FDQKRRCCCKFPCPDS KRRCCCKFPCPDSCRY	CPP20-67	RMQAEQHPLFDQK RRCCCKFP
Conus textile	Conotoxin tx9a Q9GU58	CPP10-405 CPP10-406 CPP10-407 CPP10-408 CPP10-409 CPP10-410	TDNRRNLQSK DNRRNLQSKW NRRNLQSKWK RRNLQSKWK RNLQSKWKPV KPVSLYMSRR	CPP15-207 CPP15-208 CPP15-209	GQLTDNRRNLQSKWK QLTDNRRNLQSKWK DNRRNLQSKWKPVSL	CPP20-68	DNRRNLQSKWKPV LYMSRR
	Gamma-conotoxin-like TxVIIA P24160	CPP10-411 CPP10-412 CPP10-413 CPP10-414	KLTIILLVAA SETRKLARNK ETRKLARNKQ TRKLARNKQK	CPP15-210 CPP15-211 CPP15-212 CPP15-213	KSRKAEINFSETRKL NFSETRKLARNKQKR FSETRKLARNKQKRC SETRKLARNKQKRCG	CPP20-69 CPP20-70 CPP20-71	KSRKAEINFSETRKLA RNKQ RKAEINFSETRKLAR NKQKR

	CPP10-415 CPP10-416 CPP10-417 CPP10-418	RKLARNKQKR KLARNKQKRC LARNKQKRCG RNKQKRCGGY	CPP15-214 CPP15-215 CPP15-216	ETRKLARNKQKRCGG TRKLARNKQKRCGGY KLARNKQKRCGGYST		KAEINFSETRKLARN KQKRC
Conotoxin tx3h POC1N6	CPP10-419 CPP10-420 CPP10-421 CPP10-422	RREILLPALR REILLPALRK ILLPALRKFC LLPALRKFC	CPP15-217	ERREILLPALRKFC	CPP20-72	NKQLLNPDREILL PALRK
TxMEKL-P2 Q9BPA9	CPP10-423 CPP10-424 CPP10-425	KLITILLVAA KINFLSRSDR FLSRSDRDCR				
TxMMSK-03 Q9BPJ7	CPP10-426 CPP10-427 CPP10-428	LIICLLFPL DQPADRPAER RRCCNAGFCR				
Alpha-conotoxin- like Tx1.2 PODPL9	CPP10-429 CPP10-430 CPP10-431 CPP10-432 CPP10-433 CPP10-434 CPP10-435	TSGRSTFRGR SGRSTFRGRN GRSTFRGRNA RSTFRGRNAA VSLTDRRPQC SLTDRRPQCC RRPQCCSHPA	CPP15-218 CPP15-219 CPP15-220 CPP15-221 CPP15-222	SFTSGRSTFRGRNAA GRSTFRGRNAAAKAS RSTFRGRNAAAKASG VSLTDRRPQCCSHPA SLTDRRPQCCSHPAC		
Alpha-conotoxin TxIB (Fragment) K4RNX9	CPP10-436	RGCCSDPPCR				
Conotoxin tx3b POC1N8	CPP10-437 CPP10-438	KLGALLTICL DQPAQRLQDR				
Cysteine-rich venom protein Q7YT83	CPP10-439 CPP10-440 CPP10-441 CPP10-442 CPP10-443 CPP10-444 CPP10-445 CPP10-446 CPP10-447 CPP10-448 CPP10-449	VLVAGRKRHH LVAGRKRHHHC AGRKRHHHCDS GRKRHHHCDSK RKRHHHCDSKY SGRRGEPDLP MCRYPDALRR CRYPDALRRP RYPDALRRPQ YPDALRRPQH RRPQHWQCQYD	CPP15-223 CPP15-224 CPP15-225 CPP15-226	IVLVAGRKRHHHCDSK VLVAGRKRHHHCDSKY MCRYPDALRRPQHWQ YPDALRRPQHWQCQYD		

Conotoxin Gla(1)- TxVI P86259	CPP10-450 CPP10-451 CPP10-452 CPP10-453 CPP10-454 CPP10-455 CPP10-456 CPP10-457 CPP10-458 CPP10-459 CPP10-460	KLTIILLVAA KENINFLLRK ENINFLLRKR NINFLLRKRK INFLLKRKRA NFLLRKRKRA FLLKRKRAAD LLKRKRAADR LKRKRAADRG KRKRAADRG RKRAADRGMW	CPP15-227 CPP15-228 CPP15-229 CPP15-230 CPP15-231 CPP15-232 CPP15-233 CPP15-234	NHSEININFLLRKR HSEININFLLRKR SEININFLLRKR KENINFLLRKR ENINFLLRKR NINFLLRKR INFLLKRKR FLLKRKR	CPP20-73 CPP20-74 CPP20-75	ERAGENHSEININFL LRKR RAGENHSEININFL KRKR FLLKRKR WGECKDG
Omega-conotoxin TxVII P56714	CPP10-461 CPP10-462 CPP10-463 CPP10-464 CPP10-465	KNPEASKLNK EASKLNKRCK ASKLNKRCKQ SKLNKRCKQA KLNKRCKQAD	CPP15-235	KNPEASKLNKRCKQA	CPP20-76	PKAHHEMKNPEASK LNKRCK
Conotoxin Gla(2)- TxVI/A P58922	CPP10-466 CPP10-467 CPP10-468 CPP10-469 CPP10-470 CPP10-471 CPP10-472 CPP10-473	KLIILLVAA ALFQEKRP LFQEKRP FQEKRP KRPMKKIDFL KKIDFLSKGK KIDFLSKGKT KTDAEKQQR	CPP15-236 CPP15-237 CPP15-238 CPP15-239	MSTQALFQEKRP FQEKRP KRPMKKIDFLSKGKT GKTDAEKQQR	CPP20-77	ALFQEKRP SKGKT
Conotoxin 3 Q3YEH7	CPP10-474 CPP10-475 CPP10-476 CPP10-477 CPP10-478 CPP10-479 CPP10-480 CPP10-481	FNGNARRTPR NGNARRTPR GNARRTPRML NARRTPRMLS ARRTPRMLSN RRTPRMLSNK RTPRMLSNKR RMLSNKRICC	CPP15-240 CPP15-241 CPP15-242 CPP15-243 CPP15-244 CPP15-245	PLPSFNGNARRTPR FNGNARRTPRMLSNK NGNARRTPRMLSNKR GNARRTPRMLSNKR NARRTPRMLSNKR ARRTPRMLSNKR	CPP20-78 CPP20-79 CPP20-80 CPP20-81	KDDMPLPSFNGNAR RTPRML PLPSFNGNARRTPR MLSNKR GNARRTPRMLSNKR ICCPN ARRTPRMLSNKR YPNVW
Conotoxin Gla(2)- TxVI/B Q9BPB1	CPP10-482 CPP10-483 CPP10-484 CPP10-485 CPP10-486 CPP10-487 CPP10-488 CPP10-489 CPP10-490 CPP10-491	KLIILLVAA ALFQEKRTMK LFQEKRTMK FQEKRTMK KKIDFLSKGK KIDFLSKGKA KGKADAEQR GKADAEQRK KADAEQRKR DAEKQRKNC	CPP15-246 CPP15-247 CPP15-248 CPP15-249	MSTQALFQEKRTMK KRTMKKIDFLSKGKA GKADAEQRKNCSD KADAEQRKNCSD	CPP20-82 CPP20-83 CPP20-84 CPP20-85	ALFQEKRTMKKIDFL SKGKA MKKIDFLSKGKADAE KQRKR KKIDFLSKGKADAE QRKR KIDFLSKGKADAEQ RKRNC

	CPP10-492	KQRKRNCSD				
Omega-conotoxin-like TxO4 Q9XZL1	CPP10-493	GMIKIGPPCC				
Conotoxin TeAr151 Q3YEE9	CPP10-494 CPP10-495 CPP10-496 CPP10-497 CPP10-498 CPP10-499 CPP10-500 CPP10-501 CPP10-502	IQNTLQTLRK QNTLQTLRKK NTLQTLRKKV TLQTLRKKVC LQTLRKKVCC QTLRKKVCCR TLRKKVCCRP RKKVCCRPMQ KKVCCRPMQD	CPP15-250 CPP15-251 CPP15-252	DNIQNTLQTLRKKVC IQNTLQTLRKKVCCR TLQTLRKKVCCRPMQ		
Conotoxin Gla(3)- TxVI Q9BPB4	CPP10-503 CPP10-504 CPP10-505 CPP10-506 CPP10-507 CPP10-508 CPP10-509 CPP10-510 CPP10-511 CPP10-512 CPP10-513 CPP10-514 CPP10-515	KLIILLVAA QAVLQEKRPK VLQEKRPKEK EKRPEKIKF KRPKEKIKFL PKEKIKFLSK KEKIKFLSKR EKIKFLSKRK KIKFLSKRKT KFLSKRKTDA RKTDAEKQQK KTDAEKQQKR KQQKRLCPDY	CPP15-253 CPP15-254 CPP15-255 CPP15-256 CPP15-257 CPP15-258 CPP15-259 CPP15-260 CPP15-261 CPP15-262 CPP15-263	QAVLQEKRPKEKIF LQEKRPKEKIKFLSK QEKRPKEKIKFLSKR EKRPEKIKFLSKRK KRPKEKIKFLSKRKT PKEKIKFLSKRKTDA EKIKFLSKRKTDAEK KFLSKRKTDAEKQQK FLSKRKTDAEKQQKR RKTDAEKQQKRLCPD KTDAEKQQKRLCPDY	CPP20-86 CPP20-87 CPP20-88 CPP20-89 CPP20-90 CPP20-91 CPP20-92 CPP20-93 CPP20-94 CPP20-95 CPP20-96 CPP20-97	SAQAVLQEKRPKEKI KFLSK QAVLQEKRPKEKIKF LSKRK AVLQEKRPKEKIKFLS KRKT VLQEKRPKEKIKFLSK RKTD LQEKRPKEKIKFLSKR KTDA KRPKEKIKFLSKRKTDAE AEKQ PKEKIKFLSKRKTDAE KQQK KEKIKFLSKRKTDAEK QQKR EKIKFLSKRKTDAEKQ QKRL KIKFLSKRKTDAEKQ QKRLC KFLSKRKTDAEKQQK RLCPD FLSKRKTDAEKQQKR LCPDY
Conotoxin TeAr154	CPP10-516 CPP10-517	GLSVDARPKT TKSTLQRLK	CPP15-264 CPP15-265	SFRDNTKSTLQRLK FRDNTKSTLQRLK	CPP20-98	SSFRDNTKSTLQRLK KRVNC

Q3YEE8	CPP10-518 CPP10-519 CPP10-520 CPP10-521	KSTLQRLLR STLQRLLRV TLQRLLRVN LQRLLRVNC	CPP15-266 CPP15-267 CPP15-268 CPP15-269 CPP15-270	RDNTKSTLQRLLRV DNTKSTLQRLLRVN NTKSTLQRLLRVNC TKSTLQRLLRVNCC KSTLQRLLRVNCCP		
Omega-conotoxin P28880	CPP10-522 CPP10-523 CPP10-524 CPP10-525 CPP10-526 CPP10-527 CPP10-528 CPP10-529 CPP10-530 CPP10-531 CPP10-532 CPP10-533	RGTQKHRTLRL GTQKHRTLRLS TQKHRTLRLST KHRTLRLSTAR HRTLRLSTARR RTLRLSTARRS TLRLSTARRSK LRSTARRSKS RSTARRSKSE RRSKSESTTR CCGRCYRGKC CGRCYRGKCT	CPP15-271 CPP15-272 CPP15-273 CPP15-274 CPP15-275 CPP15-276 CPP15-277 CPP15-278 CPP15-279 CPP15-280 CPP15-281 CPP15-282	TAEDSRGTQKHRTLRL SRGTQKHRTLRLSTAR RGTKHRTLRLSTARR GTQKHRTLRLSTARRS TQKHRTLRLSTARRSK QKHRTLRLSTARRSKS KHRTLRLSTARRSKSE HRTLRLSTARRSKSES TLRLSTARRSKSESTT LRSTARRSKSESTTR RSTARRSKSESTTRC STARRSKSESTTRCR	CPP20-99 CPP20-100 CPP20-101 CPP20-102 CPP20-103 CPP20-104 CPP20-105 CPP20-106 CPP20-107	DSRGTQKHRTLRLSTA RRSKS SRGTQKHRTLRLSTAR RSKSE RGTKHRTLRLSTARR SKSES GTQKHRTLRLSTARRS KSEST QKHRTLRLSTARRSKS ESTTR KHRTLRLSTARRSKSE STTRC HRTLRLSTARRSKSES TTRCR TLRLSTARRSKSESTTR CRSS RSTARRSKSESTTRC RSSGS
Omega-conotoxin Q9XZK2	CPP10-534 CPP10-535 CPP10-536 CPP10-537 CPP10-538 CPP10-539 CPP10-540 CPP10-541 CPP10-542 CPP10-543 CPP10-544 CPP10-545 CPP10-546	RGTQKHRTLRL GTQKHRTLRLS TQKHRTLRLSK QKHRTLRLSKT KHRTLRLSKTK HRTLRLSKTKL RTLRLSKTKLS TLRLSKTKLSM RSKTKLSMST KLSMSTRCKA STRCKAAGKP TRCKAAGKPC CKAAGKPCSR	CPP15-283 CPP15-284 CPP15-285 CPP15-286 CPP15-287 CPP15-288 CPP15-289 CPP15-290 CPP15-291 CPP15-292 CPP15-293 CPP15-294 CPP15-295	TADDSRGTQKHRTLRL DDSRGTQKHRTLRLSK DSRGTQKHRTLRLSKT SRGTQKHRTLRLSKTK RGTKHRTLRLSKTKL GTQKHRTLRLSKTKLS TQKHRTLRLSKTKLSM QKHRTLRLSKTKLSMS KHRTLRLSKTKLSMST HRTLRLSKTKLSMSTR TLRLSKTKLSMSTRCK KLSMSTRCKAAGKPC CKAAGKPCSRIAYNC	CPP20-108 CPP20-109 CPP20-110 CPP20-111 CPP20-112 CPP20-113 CPP20-114 CPP20-115 CPP20-116 CPP20-117 CPP20-118 CPP20-119	QLITADDSRGTQKH RTLRLSK ITADDSRGTQKHRTL RSKTK SRGTQKHRTLRLSKTK LSMST RGTKHRTLRLSKTKL SMSTR GTQKHRTLRLSKTKLS MSTRC TQKHRTLRLSKTKLSM STRCK QKHRTLRLSKTKLSMS TRCKA KHRTLRLSKTKLSMST RCKAA HRTLRLSKTKLSMSTR CKAAG TLRLSKTKLSMSTRCK

						AAGKP RSKTKLSMSTRCKAA GKPCS SKTKLSMSTRCKAAG KPCSR
Delta-conotoxin Q9XZK5	CPP10-547 CPP10-548 CPP10-549 CPP10-550	YGLKNLFPKA GLKNLFPKAR PKARHEMKNP KNPEASKLNK	CPP15-296	LKNLFPKARHEMKNP	CPP20-120 CPP20-121	DSRYGLKNLFPKARH EMKNP LFPKARHEMKNPEA SKLNKR
Omega-conotoxin P28881	CPP10-551 CPP10-552 CPP10-553 CPP10-554 CPP10-555 CPP10-556 CPP10-557 CPP10-558 CPP10-559 CPP10-560 CPP10-561 CPP10-562	RGTQKHRALR GTQKHRALRS TQKHRALRSD KHRALRSDTK RALRSDTKLP RSDTKLPMST KLPMSTRCKL LPMSTRCKLK PMSTRCKLKG MSTRCKLKGQ CKLKGQSCRK KGQSCRKTSY	CPP15-297 CPP15-298 CPP15-299 CPP15-300 CPP15-301 CPP15-302 CPP15-303 CPP15-304	SRGTQKHRALRSDTK RGTQKHRALRSDTKL GTQKHRALRSDTKLP KHRALRSDTKLPMST RSDTKLPMSTRCKLK SDTKLPMSTRCKLKG KLPMSTRCKLKGQSC MSTRCKLKGQSCRKT	CPP20-122 CPP20-123 CPP20-124 CPP20-125 CPP20-126	QKHRALRSDTKLPM STRCKL KHRALRSDTKLPMST RCKLK HRALRSDTKLPMSTR CKLKG RALRSDTKLPMSTRC KLKGQ KLPMSTRCKLKGQS CRKTSY
Conotoxin Gla-TxX Q5I4E6	CPP10-563 CPP10-564 CPP10-565 CPP10-566 CPP10-567 CPP10-568 CPP10-569 CPP10-570	CCHWARRDQC SAQKGNRRRR AQKGNRRRL QKGNRRRLI KGNRRRLIH GNRRRLIHM NGRRRLIHM GRRRLIHM	CPP15-305 CPP15-306 CPP15-307	RCISAQKGNRRRLI SAQKGNRRRLIHM AQKGNRRRLIHM	CPP20-127 CPP20-128	KPQRCISAQKGNRR RLIHM QRCISAQKGNRRRL LIHM
Contryphan-Tx Q9NDA7	CPP10-571 CPP10-572 CPP10-573	FLNALQRRGC ALQRRGCPWQ LQRRGCPWQP				
Conotoxin King- Kong 2 P18513	CPP10-574	KRCAPFLHPC	CPP15-308	ASNLNKRCAPFLHPC		
Conotoxin King- Kong 1 P18512	CPP10-575	KNPEASKLNK	CPP15-309	KNPEASKLNKRCIEQ		

Leu-contryphan-Tx Q9NDA6	CPP10-576 CPP10-577 CPP10-578	DQPADRKAVP KLMDVLRPKK LMDVLRPKKC	CPP15-310	KLMDVLRPKKCVLYP		
Conorfamide-Tx2 P0DM27	CPP10-579 CPP10-580 CPP10-581 CPP10-582 CPP10-583 CPP10-584 CPP10-585 CPP10-586	WSGPRNRFVR SGPRNRFVRI PRNRFVRIGR RNRFVRIGRR NRFVRIGRRD RFVRIGRRDM RIGRRDMQSP PLLSERLRF	CPP15-311 CPP15-312 CPP15-313 CPP15-314 CPP15-315 CPP15-316	LAWSGPRNRFVRIGR AWSGPRNRFVRIGRR WSGPRNRFVRIGRRD SGPRNRFVRIGRRDM GPRNRFVRIGRRDMQ RNRFVRIGRRDMQSP	CPP20-129 CPP20-130 CPP20-131 CPP20-132 CPP20-133 CPP20-134 CPP20-135 CPP20-136	KKHSGILLAWSGPR NRFVRI HSGILLAWSGPRNRF VRIGR SGILLAWSGPRNRFV RIGRR GILLAWSGPRNRFV RIGRRD LLAWSGPRNRFVRI GRRDMQ WSGPRNRFVRIGRR DMQSPL RNRFVRIGRRDMQS PLLSER VRIGRRDMQSPLLSE RLRFR
Alpha-conotoxin- like Tx1 Q9XZK6	CPP10-587 CPP10-588 CPP10-589 CPP10-590 CPP10-591 CPP10-592	TSGRRAFHGR SGRRAFHGRN GRRAFHGRNA RRAFHGRRNAA VSLTDRRPEC RRPECCSDPR	CPP15-317 CPP15-318 CPP15-319 CPP15-320	SSTSGRRAFHGRRNAA GRRAFHGRRNAAKAS VSLTDRRPECCSDPR SLTDRRPECCSDPRC		
Omega-conotoxin- like TxO6 Q9XZL3	CPP10-593	GLANLFSKSR				
Con-Ins Tx1 A0A0B5A7N8	CPP10-594 CPP10-595 CPP10-596 CPP10-597 CPP10-598 CPP10-599 CPP10-600 CPP10-601 CPP10-602 CPP10-603 CPP10-604 CPP10-605	TGRTSSLMKR GRTSSLMKRR RTSSLMKRRG SSLMKRRGFL MKRRGFLSLL KRRGFLSLLK RRGFLSLLKK RGFLSLLKKR GFLSLLKKRG FLSLLKKRGK LSLLKKRGKR SLLKKRGKRD	CPP15-321 CPP15-322 CPP15-323 CPP15-324 CPP15-325 CPP15-326 CPP15-327 CPP15-328 CPP15-329 CPP15-330 CPP15-331 CPP15-332	NARANTGRTSSLMKR ARANTGRTSSLMKRR RANTGRTSSLMKRRG GRTSSLMKRRGFLSL SSLMKRRGFLSLLKK SLMKRRGFLSLLKKR LMKRRGFLSLLKKRG MKRRGFLSLLKKRGK KRRGFLSLLKKRGKR RRGFLSLLKKRGKRD RGFLSLLKKRGKRD SLLKKRGKRD	CPP20-137 CPP20-138 CPP20-139 CPP20-140 CPP20-141 CPP20-142 CPP20-143 CPP20-144 CPP20-145 CPP20-146 CPP20-147 CPP20-148	GANNARANTGRTSS LMKRRG NTGRTSSLMKRRGF LSLLKK TGRTSSLMKRRGFLS LLKKR GRTSSLMKRRGFLSL LKKRG RTSSLMKRRGFLSLL KKRGK TSSLMKRRGFLSLLK KRGKR

	CPP10-606 CPP10-607	LLKKRGKRDE KRGKRDEGSP			CPP20-149	SSLMKRRGFLSLLKK RGKRD SLMKRRGFLSLLKKR GKRDE LMKRRGFLSLLKKRG KRDEG KRRGFLSLLKKRGKR DEGSP RRGFLSLLKKRGKRD EGSPL SLLKKRGKRDEGSPL QRSGR KRGKRDEGSPLQRS GRGIVC
Omega-conotoxin- like TxO5 Q9XZL2	CPP10-608 CPP10-609	KNPEASKLNK KLNKRCVPYE				
Alpha-conotoxin- like Tx2 Q9XZK7	CPP10-610 CPP10-611 CPP10-612 CPP10-613 CPP10-614	TSGRRTFHGR SGRRTFHGRN GRRTFHGRNAA RRTFHGRNAA VSLTDRRPEC	CPP15-333 CPP15-334	SFTSGRRTFHGRNAA GRRTFHGRNAAKAS		
Conorfamide-Tx1 P0DM26	CPP10-615 CPP10-616 CPP10-617	DSIFRYGRRD SIFRYGRRDM RYGRRDMQSP				
Omega-conotoxin- like TxO5 Q9U654	CPP10-618 CPP10-619	KNPEASKLNK KLNKRCVPYE	CPP15-335	KNPEASKLNKRCVPY		
Gamma- conotoxin-like TxMEKL-0511 Q9BHA0	CPP10-620 CPP10-621 CPP10-622 CPP10-623 CPP10-624 CPP10-625 CPP10-626 CPP10-627 CPP10-628 CPP10-629 CPP10-630 CPP10-631	KLTIALLVAA EKHQRAKINL QRAKINLLSK RAKINLLSKR AKINLLSKRK KINLLSKRKP INLLSKRKPP NLLSKRKPPA LLSKRKPPAE SKRKPPAERW KRKPPAERWW RKPPAERWWR	CPP15-336 CPP15-337 CPP15-338 CPP15-339 CPP15-340 CPP15-341 CPP15-342 CPP15-343 CPP15-344 CPP15-345 CPP15-346 CPP15-347	EKHQRAKINLLSKRK KHQRAKINLLSKRK HQRAKINLLSKRKPP QRAKINLLSKRKPPA RAKINLLSKRKPPAE AKINLLSKRKPPAER KINLLSKRKPPAERW NLLSKRKPPAERWWR LLSKRKPPAERWWRW SKRKPPAERWWRWGG KRKPPAERWWRWGGC RKPPAERWWRWGGCM	CPP20-150 CPP20-151 CPP20-152 CPP20-153 CPP20-154 CPP20-155 CPP20-156 CPP20-157 CPP20-158	QALNQEKHQRAKIN LLSKRK ALNQEKHQRAKINLL SKRKPP LNQEKHQRAKINLLS KRKPP NQEKHQRAKINLLSK RKPPA HQRAKINLLSKRKPP AERWW QRAKINLLSKRKPPA ERWWR

	CPP10-632 CPP10-633 CPP10-634	KPPAERWWRW AERWWRWGGC RWWRWGGCMA	CPP15-348	KPPAERWWRWGGCMA		RAKINLLSKRKPPAER WWRW KINLLSKRKPPAERW WRWGG LLSKRKPPAERWWR WGGCMA
Contryphan-R/Tx Q9NDA5	CPP10-635	MNVQRRSGCP				
Conotoxin Gla- TxXI Q5I4E5	CPP10-636 CPP10-637	KSCCRWTCNQ NQCLIPGKR	CPP15-349	CRWTCNQCLIPGKR	CPP20-159	CHKSCCRWTCNQPC LIPGKR
Gamma- conotoxin-like TeA53 Q3YEG0	CPP10-638 CPP10-639 CPP10-640 CPP10-641 CPP10-642 CPP10-643 CPP10-644 CPP10-645 CPP10-646 CPP10-647 CPP10-648 CPP10-649 CPP10-650 CPP10-651 CPP10-652 CPP10-653	KLTIILLVAA EQHQRAKINL QRAKINLLSK RAKINLLSKR AKINLLSKRK KINLLSKRK INLLSKRKPP NLLSKRKPPA LLSKRKPPAE SKRKPPAERW KRKPPAERWW RKPPAERWWR KPPAERWWRW AERWWRWGGC RWWRWGGCML MLWFGRCTKD	CPP15-350 CPP15-351 CPP15-352 CPP15-353 CPP15-354 CPP15-355 CPP15-356 CPP15-357 CPP15-358 CPP15-359 CPP15-360 CPP15-361 CPP15-362 CPP15-363	EQHQRAKINLLSKRK QHQRKINLLSKRK HQRKINLLSKRKPP QRAKINLLSKRKPPA RAKINLLSKRKPPAE AKINLLSKRKPPAER KINLLSKRKPPAERW NLLSKRKPPAERWWR LLSKRKPPAERWWRW SKRKPPAERWWRWGG KRKPPAERWWRWGGC RKPPAERWWRWGGCML KPPAERWWRWGGCML RWWRWGGCMLWFGRC	CPP20-160 CPP20-161 CPP20-162 CPP20-163 CPP20-164 CPP20-165 CPP20-166 CPP20-167 CPP20-168	ALNQEQQHQRKINL LSKRKP NQEQQHQRKINLLS KRKPPA HQRKINLLSKRKPP AERWW QRAKINLLSKRKPPA ERWWR RAKINLLSKRKPPAER WWRW KINLLSKRKPPAERW WRWGG LLSKRKPPAERWWR WGGCML KPPAERWWRWGG CMLWFGRC AERWWRWGGCML WFGRCTKD
Omega-conotoxin- like TxMKLT1- 0223 Q9U645	CPP10-654	GMIKIGPPCC				
Delta-conotoxin- like TxMKLT1- 0111 Q9U656	CPP10-655 CPP10-656 CPP10-657 CPP10-658 CPP10-659	KNPEASKLNK EASKLNKRWC ASKLNKRWCK SKLNKRWCKQ KLNKRWCKQS	CPP15-364	KNPEASKLNKRWCKQ	CPP20-169	SNAHHQMKNPEAS KLNKRWC

Gamma-conotoxin-like TxMEKL-053 Q9BPB0	CPP10-660 CPP10-661 CPP10-662 CPP10-663 CPP10-664 CPP10-665 CPP10-666 CPP10-667 CPP10-668 CPP10-669 CPP10-670 CPP10-671 CPP10-672 CPP10-673	KLTILLVAA EQHQRAKINL QRAKINLLSK RAKINLLSKR AKINLLSKRK KINLLSKRKP INLLSKRKPP NLLSKRKPPA LLSKRKPPAE SKRKPPAERW KRKPPAERWW RKPPAERWWE CGIWFSRCTK GIWFSRCTKD	CPP15-365 CPP15-366 CPP15-367 CPP15-368 CPP15-369 CPP15-370 CPP15-371 CPP15-372 CPP15-373	EQHQRAKINLLSKRK QHQRAKINLLSKRKPP HQRAKINLLSKRKPPA QRAKINLLSKRKPPA RAKINLLSKRKPPAE AKINLLSKRKPPAER KINLLSKRKPPAERW NLLSKRKPPAERWWE LLSKRKPPAERWWEC	CPP20-170 CPP20-171 CPP20-172 CPP20-173 CPP20-174	ALNQEQQHQRAKINL LSKRKP NQEQQHQRAKINLLS KRKPPA HQRAKINLLSKRKPP AERWW QRAKINLLSKRKPPA ERWWE KPPAERWWECGIW FSRCTKD
Omega-conotoxin-like TxMKLT1-031 Q9U644	CPP10-674	GLANLFSKSR				
Conotoxin TxMEKL-021 Q9BHB7	CPP10-675 CPP10-676 CPP10-677 CPP10-678 CPP10-679 CPP10-680 CPP10-681 CPP10-682 CPP10-683 CPP10-684	PQGGGEKRPR KRPRENIRFL PRENIRFLSK RENIRFLSKR ENIRFLSKRK NIRFLSKRKS IRFLSKRKSNA RFLSKRKSNA KRKSNAERWR RKSNAERWRE	CPP15-374 CPP15-375 CPP15-376 CPP15-377 CPP15-378 CPP15-379 CPP15-380 CPP15-381	GGEKRPRENIRFLSK GEKRPRENIRFLSKR EKRPRENIRFLSKRK KRPRENIRFLSKRKS RPRENIRFLSKRKSNA PRENIRFLSKRKSNA IRFLSKRKSNAERWR RFLSKRKSNAERWRE	CPP20-175 CPP20-176 CPP20-177 CPP20-178 CPP20-179 CPP20-180 CPP20-181	PQGGGEKRPRENIRF LSKRK QGGGEKRPRENIRFL SKRKS GGGEKRPRENIRFLS KRKSNA GGEKRPRENIRFLSK RKSNA RPRENIRFLSKRKSNA AERWR PRENIRFLSKRKSNAE RWRE NIRFLSKRKSNAERW REGSC
Conotoxin TxMMSK-02 Q9BPJ6	CPP10-685 CPP10-686	KLGALLTICL DQPAQRLQDR				
Conotoxin TxMMSK-01 Q9BPJ1	CPP10-687 CPP10-688	PVKRCCRLLC VKRCCRLCL				

Conotoxin TxMMSK-06 Q9BPJ4	CPP10-689 CPP10-690 CPP10-691 CPP10-692 CPP10-693 CPP10-694	HHPMLNSIRR MLNSIRRREQ LNSIRRREQN NSIRRREQNQ SIRRREQNQF KLRDSRGERC	CPP15-382 CPP15-383	HPMLNSIRRREQNQF KLRDSRGERCCGPTA		
Conotoxin TxMMSK-04 Q9BPJ5	CPP10-695 CPP10-696	DQPADRP AER HPFFDSVKKK				
Conotoxin TeAr193 Q3YEH2	CPP10-697 CPP10-698 CPP10-699 CPP10-700	LESKRNCCRR SKRNCCRRQI KRNCRRQIC RNCCRRQICC	CPP15-384 CPP15-385	RYLQVLESKRNCCRR VLESKRNCCRRQICC	CPP20-182 CPP20-183	DNAKRYLQVLESKR NCCRRQ KRYLQVLESKRNCCR RQICC
Conotoxin TxMEKL-011 Q9BPB7	CPP10-701 CPP10-702 CPP10-703 CPP10-704 CPP10-705 CPP10-706 CPP10-707 CPP10-708 CPP10-709 CPP10-710 CPP10-711	KL TILLVAA KENIKFLLKR ENIKFLLKRK NIKFLLKRKR IKFLLKRKRA KFLLKRKRAA FLLKRKRAAD LLKRKRAADR LKRKRAADRG KRKRAADRG RKRAADRGMW	CPP15-386 CPP15-387 CPP15-388 CPP15-389 CPP15-390 CPP15-391 CPP15-392 CPP15-393 CPP15-394 CPP15-395 CPP15-396 CPP15-397 CPP15-398	ENRSKENIKFLLKRK NRSKENIKFLLKRKR RSKENIKFLLKRKRA SKENIKFLLKRKRAA KENIKFLLKRKRAAD ENIKFLLKRKRAADR NIKFLLKRKRAADRG IKFLLKRKRAADRG KFLLKRKRAADRG FLLKRKRAADRGMWG LKRKRAADRGMWGKC RKRAADRGMWGCKD KRAADRGMWGCKD	CPP20-184 CPP20-185 CPP20-186 CPP20-187 CPP20-188 CPP20-189 CPP20-190 CPP20-191 CPP20-192	VERAGENRSKENIKF LLKRK ERAGENRSKENIKFL LKRKR RAGENRSKENIKFLL KRKRA AGENRSKENIKFLLK RKRAA KENIKFLLKRKRAAD RGMWG ENIKFLLKRKRAADR GMWGK NIKFLLKRKRAADRG MWGKC KFLLKRKRAADRG WGKCKD FLLKRKRAADRG WGKCKD
Conotoxin Tx- D021 Q9BH21	CPP10-712	KRILQILQDR				
Conotoxin Tx- D0111 Q9BPG7	CPP10-713 CPP10-714 CPP10-715 CPP10-716	HGNARRTLQM GNARRTLQML ARRTLQMLSK RRTLQMLSKK	CPP15-399 CPP15-400 CPP15-401	FHGNARRTLQMLSKK HGNARRTLQMLSKKQ GNARRTLQMLSKKQC	CPP20-193	MPQASFHGNARRTL QMLSKK

	Omega-conotoxin-like SVIA mutant 2 Q9XZL5	CPP10-717 CPP10-718 CPP10-719 CPP10-720 CPP10-721 CPP10-722 CPP10-723 CPP10-724 CPP10-725 CPP10-726 CPP10-727 CPP10-728 CPP10-729 CPP10-730	RGQTQKHRTLRL GTQKHRTLRLS TQKHRTLRLST KHRTLRLSTAR HRTLRLSTARR RTLRLSTARRS TLRSTARRSK LRSTARRSKS RSTARRSKSE RRSKSELTTTR KSELTTTRCRP ELTTTRCRPSG CCGRCSRGKCC CGRCSRGKCT	CPP15-402 CPP15-403 CPP15-404 CPP15-405 CPP15-406 CPP15-407 CPP15-408 CPP15-409 CPP15-410 CPP15-411 CPP15-412 CPP15-413 CPP15-414 CPP15-415	TAEDSRGTQKHRTLRL SRGTQKHRTLRLSTAR RGQTQKHRTLRLSTARR GTQKHRTLRLSTARRS TQKHRTLRLSTARRSK QKHRTLRLSTARRSKS KHRTLRLSTARRSKSE HRTLRLSTARRSKSEL TLRSTARRSKSELTT LRSTARRSKSELTTTR RSTARRSKSELTTTRC STARRSKSELTTTRCR TARRSKSELTTTRCRP RRSKSELTTTRCRPSG	CPP20-194 CPP20-195 CPP20-196 CPP20-197 CPP20-198 CPP20-199 CPP20-200 CPP20-201 CPP20-202 CPP20-203	DSRGTQKHRTLRLSTAR RRSKS SRGTQKHRTLRLSTAR RSKSE RGQTQKHRTLRLSTARR SKSEL QKHRTLRLSTARRSKS ELTTR KHRTLRLSTARRSKSE LTTTRC HRTLRLSTARRSKSEL TTRC RTLRLSTARRSKSELTT RCRP TLRSTARRSKSELTTTR CRPS LRSTARRSKSELTTTRC RPSG RSTARRSKSELTTTRC RPSGS
	Conotoxin Tx8.1 (Fragment) B2CI27	CPP10-731 CPP10-732 CPP10-733 CPP10-734 CPP10-735 CPP10-736 CPP10-737	GDIQARKTHL DIQARKTHLK QARKTHLKSD KSDFYRTLPR FYRTLPRFAR YRTLPRFARG RTLPRFARGC	CPP15-416 CPP15-417 CPP15-418 CPP15-419	SHREGDIQARKTHLK GDIQARKTHLKSDFY KSDFYRTLPRFARGC FYRTLPRFARGCTIS	CPP20-204 CPP20-205 CPP20-206 CPP20-207	GDIQARKTHLKSDFY RTLPR DIQARKTHLKSDFYR TLPRF QARKTHLKSDFYRTL PRFAR RKTHLKSDFYRTLPR FARGC
Chanos chanos	toxin MIT1-like A0A6J2VNJ3	CPP10-738 CPP10-739 CPP10-740 CPP10-741 CPP10-742 CPP10-743	SLWIRSLRMC LWIRSLRMCT WIRSLRMCTP KVPFFGKRLH GKRLHHTCPC GKYKCLSPYK	CPP15-420 CPP15-421 CPP15-422 CPP15-423	MKSSFLILCCVLMLS AVSLWIRSLRMCTPM SHKVPFFGKRLHHTC VPFFGKRLHHTCPL		
	stonustoxin subunit beta-like A0A6J2VWL8	CPP10-744 CPP10-745 CPP10-746 CPP10-747 CPP10-748 CPP10-749 CPP10-750 CPP10-751	KEKVKHFSCCK PLKVWLYPLK KLAELLPTIR PHVTDIPFRK RGDTQRYRDN TQRYRDNSKR RYRDNSKRQF KGITRSDTKI				

	stonustoxin subunit beta-like A0A6J2VWA1	CPP10-752 CPP10-753 CPP10-754 CPP10-755 CPP10-756 CPP10-757 CPP10-758 CPP10-759 CPP10-760	PLKVWLYPLK KLELLPTIR KITKTEDLR RRGINIRLPD RGINIRLPDQ VRWYRNGTCR RWYRNGTCRD NKKVTRLGPP KKVTRLGPPS	CPP15-424	GASVRWYRNGTCRDP	CPP20-208	KITKTEDLRRGINIR LPDQ
	ly-6/neurotoxin-like protein 1 A0A6J2WIV0	CPP10-761	AAEALTCKKC				
	toxin MIT1-like A0A6J2VNJ3	CPP10-762 CPP10-763 CPP10-764 CPP10-765 CPP10-766 CPP10-767	SLWIRSLRMC LWIRSLRMCT WIRSLRMCTP KVPFFGKRLH GKRLHHTCPC GKYKCLSPYK	CPP15-425 CPP15-426 CPP15-427	CAVSLWIRSLRMCTP MSHKVPFFGKRLHHT KVPFFGKRLHHTCPC		
Hydrophis lapemoides	Short neurotoxin 1 P01437	CPP10-768 CPP10-769 CPP10-770 CPP10-771 CPP10-772	CYKKTWRDFR KKTWRDFRGT KTWRDFRGTR RDFRGTRIER FRGTRIERGC	CPP15-428 CPP15-429 CPP15-430 CPP15-431	CYKKTWRDFRGTRIE YKKTWRDFRGTRIER KTWRDFRGTRIERGC TWRDFRGTRIERGCG	CPP20-209	KKTWRDFRGTRIER GCGCPQ
Plotosus lineatus	PL-toxin II F2ZAL6	CPP10-773 CPP10-774 CPP10-775 CPP10-776 CPP10-777 CPP10-778	LGAIKFKTNR GAIKFKTNRS AIKFKTNRSR KIETSKKITK KKITKTSSWS GRAAFDLPYK	CPP15-432 CPP15-433 CPP15-434	GAGTRLGAIKFKTNR GTRLGAIKFKTNRSR KIETSKKITKTSSWS		
	PL-toxin I F2ZAL5	CPP10-779 CPP10-780 CPP10-781 CPP10-782 CPP10-783 CPP10-784 CPP10-785	WQIKSMKIWL LGAIKFKTNR GAIKFKTNRS AIKFKTNRSR KIETSKKITK KKITKTSSWS GRAAFDLPYK	CPP15-435 CPP15-436 CPP15-437	GAGTRLGAIKFKTNR GTRLGAIKFKTNRSR KIETSKKITKTSSWS		
Scorpaenopsis oxycephala	Tx alpha-subunit A0A068BD77	CPP10-786 CPP10-787 CPP10-788 CPP10-789 CPP10-790	MLYDARREKL YDARREKLIP NQSRVTLKYK SRVTLKYKVT PMKVWLVLK	CPP15-438	TKKYQNQSRVTLKYK	CPP20-210 CPP20-211 CPP20-212	KYLNNTKKYQNQSR VTLKYK MKQKALAFSEFAKKL EKSRN SKHPERFDNYRQVL

		CPP10-791 CPP10-792 CPP10-793 CPP10-794 CPP10-795 CPP10-796 CPP10-797 CPP10-798 CPP10-799 CPP10-800 CPP10-801 CPP10-802 CPP10-803 CPP10-804	MKVWLVLKK KVWLVLKKF LHEQRRRCNE VQQTIAKKLP QTIAKKLPLI TIAKKLPLIR SRMVIKMKQK RMVIKMKQKA FAKKLEKSRN KTIKDRSDLL GKHQKYSKHP HQKYSKHPER RQVLCKEPLR KEPLRGRHYW				CKEPLR
	Tx beta-subunit AOA068BD90	CPP10-805 CPP10-806 CPP10-807 CPP10-808 CPP10-809 CPP10-810 CPP10-811 CPP10-812 CPP10-813 CPP10-814 CPP10-815 CPP10-816 CPP10-817 CPP10-818 CPP10-819 CPP10-820 CPP10-821 CPP10-822 CPP10-823 CPP10-824	KYLNDTKKFK KKFKNQSRVT SSTPILRKVR STPILRKVRN TPILRKVRNT KKLTQKHYR MTNLRRTISQ NLRRTISQKL DFSKSIKPKK FSKSIKPKKF SKSIKPKKFS KSIKPKKFSP SIKPKKFSPS IKPKKFSPSK KPKKFSPSKK KKFSPSKKDY KKAMSGKPQP GITYKAIQRK YKAIQRKTSD	CPP15-439 CPP15-440 CPP15-441 CPP15-442 CPP15-443 CPP15-444 CPP15-445 CPP15-446	GSAKYLNDTKKFKNQ MTNLRRTISQKLQSI NLRRTISQKLQSIRK DFSKSIKPKKFSPSK FSKSIKPKKFSPSKK SKSIKPKKFSPSKKD KSIKPKKFSPSKKDY KPKKFSPSKKDYWYT	CPP20-213 CPP20-214 CPP20-215 CPP20-216 CPP20-217 CPP20-218	LAALGRPFTLGTLYD ARKDK KYLNDTKKFKNQSRV TLQYK KKLTQKHYRDYDYM TNLRRT KKLTQKHYRDYMT NLRRTI RDYMTNLRRTISQKL QSIRK KSIKPKKFSPSKKDY WYTSD
Pardachirus marmoratus	Pardaxin P-4 P81861	CPP10-825 CPP10-826	PKIISPLFK KIISSPLFKT	CPP15-447	KIISPLFKTLLSAV		
	Pardaxin P-5 P81862	CPP10-827 CPP10-828	PKIISPLFK KIISSPLFKT	CPP15-448	KIISPLFKTLLSAV		

Epinephelus coioides	Neoverrucotoxin subunit-like protein (Fragment) F6KMK9	CPP10-829 CPP10-830 CPP10-831 CPP10-832 CPP10-833 CPP10-834 CPP10-835 CPP10-836 CPP10-837 CPP10-838	YSNMRNKAKA NMRNKAKAFR RNKAKAFRDF KAKAFRDFAK KAFRDFAKAQ KAQKNNNRLR KNNNRLRILI NNRLRILIAT RLRILIATIA HLYTFRTKFT	CPP15-449 CPP15-450 CPP15-451	MRNKAKAFRDFAKAQ KAKAFRDFAKAQKNN KAQKNNNRLRILIAT	CPP20-219 CPP20-220 CPP20-221	KAKAFRDFAKAQKN NNRLRI KAFRDFAKAQKNNN RLRILI KNNNRLRILIATIANE KYKG
Conus betulinus	Kappa-conotoxin BtX Q9U3Z3	CPP10-839 CPP10-840	CGHPCRHPGK GHPCRHPGKR	CPP15-452	CWGGCGHPCRHPGKR		
	Neuropeptide Y1- like conopeptide POCJ22	CPP10-841	RYFAIVGRPR				
	Conotoxin Bt6.5 Q3YEG7	CPP10-842 CPP10-843 CPP10-844 CPP10-845 CPP10-846 CPP10-847 CPP10-848 CPP10-849	KTYSTGRQKH YSTGRQKHRA TGRQKHRALR GRQKHRALRS RQKHRALRST KHRALRSTDK DKNIKLSRRC KNIKLSRRCN	CPP15-453 CPP15-454 CPP15-455 CPP15-456 CPP15-457 CPP15-458 CPP15-459 CPP15-460 CPP15-461 CPP15-462	AKTYSTGRQKHRALR KTYSTGRQKHRALRS TYSTGRQKHRALRST STGRQKHRALRSTDK TGRQKHRALRSTDKN GRQKHRALRSTDKNI RQKHRALRSTDKNIK QKHRALRSTDKNIK KHRALRSTDKNIKLS ALRSTDKNIKLSRRC	CPP20-222 CPP20-223 CPP20-224 CPP20-225 CPP20-226 CPP20-227 CPP20-228 CPP20-229 CPP20-230	LATAKTYSTGRQKHR ALRST TAKTYSTGRQKHRAL RSTDK KTYSTGRQKHRALRS TDKNI TGRQKHRALRSTDK NIKLSR GRQKHRALRSTDKNI KLSRR RQKHRALRSTDKNIK LSRRC QKHRALRSTDKNIK SRRCN KHRALRSTDKNIKLS RRCND HRALRSTDKNIKLSR RCNDP
	Delta-conotoxin- like Bt6.4 M9PQ91	CPP10-850 CPP10-851 CPP10-852 CPP10-853	GWQKFFSKAR SKARDEMKNR KNRAASELNK NRAASELNKR	CPP15-463	GWQKFFSKARDEMKN	CPP20-231	SKARDEMKNRAASE LNKRCA
	Conotoxin Bt6.6 Q3YEF9	CPP10-854 CPP10-855	KLTIILLVAA KINFLSRKST	CPP15-464	KRQQAKINFLSRKST		

Conotoxin Bt15a B0KZ78	CPP10-856 CPP10-857 CPP10-858 CPP10-859 CPP10-860 CPP10-861 CPP10-862 CPP10-863 CPP10-864 CPP10-865 CPP10-866 CPP10-867 CPP10-868 CPP10-869 CPP10-870 CPP10-871 CPP10-872	DGEKPLKRRV GEKPLKRRVK EKPLKRRVKQ KPLKRRVKQY PLKRRVKQYA KRRVKQYAAK RRVKQYAAKR RVKQYAAKRL KQYAAKRLSA AAKRLSALMR KRLSALMRGP RLSALMRGPR MRGPRQCTPR RGPRQCTPRN GPRQCTPRNQ PRQCTPRNQRC RQCTPRNQRC	CPP15-465 CPP15-466 CPP15-467 CPP15-468 CPP15-469 CPP15-470 CPP15-471 CPP15-472 CPP15-473 CPP15-474 CPP15-475 CPP15-476 CPP15-477	GEKPLKRRVKQYAAK EKPLKRRVKQYAAKR KPLKRRVKQYAAKRL PLKRRVKQYAAKRLS LKRRVKQYAAKRLSA KRRVKQYAAKRLSAL KQYAAKRLSALMRGP QYAAKRLSALMRGPR YAAKRLSALMRGPRQ RLSALMRGPRQCTPR LSALMRGPRQCTPRN ALMRGPRQCTPRNQRC LMRGPRQCTPRNQRC	CPP20-232 CPP20-233 CPP20-234 CPP20-235 CPP20-236 CPP20-237 CPP20-238 CPP20-239 CPP20-240 CPP20-241 CPP20-242 CPP20-243	LAIQVLVQSDGEKPL KRRVK QSDGEKPLKRRVKQ YAAKRL DGEKPLKRRVKQYA AKRLSA KPLKRRVKQYAAKRL SALMR PLKRRVKQYAAKRLS ALMRG LKRRVKQYAAKRLSA LMRG KRRVKQYAAKRLSAL MRGPR RRVKQYAAKRLSAL MRGPRQ QYAAKRLSALMRGP RQCTPR YAAKRLSALMRGPR QCTPRN AKRLSALMRGPRQC TPRNQR KRLSALMRGPRQCT PRNQRC
Conotoxin Bt5.1 Q3YEH6	CPP10-873 CPP10-874 CPP10-875 CPP10-876 CPP10-877 CPP10-878 CPP10-879 CPP10-880 CPP10-881 CPP10-882	PSVDARPKTK SVDARPKTKA NAKRTLQILR AKRTLQILRN KRTLQILRNK RTLQILRNKR TLQILRNKRA LQILRNKRAC QILRNKRACC LRNKRACCPY	CPP15-478 CPP15-479 CPP15-480 CPP15-481 CPP15-482 CPP15-483 CPP15-484 CPP15-485	NDNAKRTLQILRNKR DNAKRTLQILRNKRA NAKRTLQILRNKRAC AKRTLQILRNKRACC KRTLQILRNKRACCP RTLQILRNKRACCPY TLQILRNKRACCPYE LQILRNKRACCPYEP	CPP20-244 CPP20-245 CPP20-246	PLTSLNDNAKRTLQI LRNKR DNAKRTLQILRNKRA CCPYE KRTLQILRNKRACCP YEPSC
Conotoxin Bt11.1 POC251	CPP10-883 CPP10-884 CPP10-885 CPP10-886 CPP10-887 CPP10-888 CPP10-889 CPP10-890	LSGATRRGD SGATRRGD GATRRGD ATRRGD TRRGD RRGD RGD RRMCL RRMCLSL RRMCLSLGQ	CPP15-486 CPP15-487 CPP15-488 CPP15-489 CPP15-490 CPP15-491	GKPSERTLSGATRRG SERTLSGATRRGD SGATRRGD TRRGD RRGD GQRCERHSNCCGYLC	CPP20-247 CPP20-248 CPP20-249 CPP20-250 CPP20-251	GKPSERTLSGATRRG DRRMC SERTLSGATRRGD MCLSL LSGATRRGD SLGQRC GATRRGD GQRCER

	CPP10-891	GQRCERHSNC				RRGDRRMCLSLGQR CERHSN
Conotoxin Bt11.4 POC609	CPP10-892	GQRCGRHSNC	CPP15-492	GQRCGRHSNCCGYLC		
Conotoxin A0A142C1B1	CPP10-893 CPP10-894 CPP10-895 CPP10-896 CPP10-897	HSPWFDPVRR FDPVRRCCSR PVRCCSRDC VRRCCSRDCR RRCCSRDCRV	CPP15-493	SPWFDPVRRCCSRDC		
Conotoxin A0A142C187	CPP10-898 CPP10-899 CPP10-900 CPP10-901 CPP10-902 CPP10-903 CPP10-904 CPP10-905	DRESNHRNRR RESNHRNRRRA SNHRNRRASN NHRNRRASNQ HRNRRASNQI RNRNRRASNQIP RRASNQIPR RRASNQIPRG	CPP15-494 CPP15-495 CPP15-496 CPP15-497 CPP15-498 CPP15-499	SFAADRESNHRNRRRA ADRESNHRNRRASNQ DRESNHRNRRASNQI ESNHRNRRASNQIPR SNHRNRRASNQIPRG NHRNRRASNQIPRGL	CPP20-252	FAADRESNHRNRRRA SNQIPR
Conotoxin A0A142C1D4	CPP10-906 CPP10-907 CPP10-908 CPP10-909 CPP10-910	RNAAAKASNR AAKASNRIAR KASNRIARAI SNRIARAIS NRIARAISG	CPP15-500	RNAAAKASNRIARAI		
Conotoxin A0A142C1D5	CPP10-911 CPP10-912 CPP10-913 CPP10-914 CPP10-915 CPP10-916	FTSDRAFRGR SDRAFRGRNP DRAFRGRNPA RAFRGRNPAA RRGCCSHPAC NHPELCGRRR	CPP15-501 CPP15-502 CPP15-503 CPP15-504	SFTSDRAFRGRNPAA SDRAFRGRNPAAANDK DRAFRGRNPAANDKR RAFRGRNPAANDKRS	CPP20-253	VSFTSDRAFRGRNPA ANDKR
Alpha- conopeptide Bt1.5 A0A075IR52	CPP10-917 CPP10-918	RNAAAKASNR NRIALIVRNA				
M superfamily MMSK group conopeptide Bt3- IP01 H2BKR1	CPP10-919	HSPWFDPVRR				
Alpha- conopeptide Bt1.4 A0A075IP10	CPP10-920 CPP10-921 CPP10-922 CPP10-923	FTSDRAFRGR SDRAFRGRNS DRAFRGRNSA RRGCCSHPAC	CPP15-505 CPP15-506	SDRAFRGRNSAANDK DRAFRGRNSAANDKR		

Alpha-conotoxin Bt1.91 F5BDH1	CPP10-924 CPP10-925 CPP10-926 CPP10-927	NMIALLIIRK MIALLIIRKC LLIIRKCCSN LIIRKCCSNP	CPP15-507	NMIALLIIRKCCSNP	CPP20-254	ASGGRRSGADNMIA LLIIRK
Alpha-conotoxin Bt1.61 F5BDH0	CPP10-928	VIRAIKLTCC				
Alpha- conoptide Bt1.1 A0A075ILT2	CPP10-929 CPP10-930 CPP10-931 CPP10-932 CPP10-933	GGRKAAAKAS GRKAAAKASN RKAANKASNR KAAAKASNRI NRIALTVRSA	CPP15-508 CPP15-509 CPP15-510	GASGGRKAAAKASNR ASGGRKAAAKASNRI KAAAKASNRIALTVR	CPP20-255	GGRKAAAKASNRIAL TVRSA
Conotoxin A0A142C1P8	CPP10-934 CPP10-935 CPP10-936 CPP10-937 CPP10-938 CPP10-939	KRTLQILLNK RTLQILLNKR LQILLNKRPC QILLNKRPC LLNKRPCPR NKRPCCPRDT	CPP15-511 CPP15-512 CPP15-513 CPP15-514 CPP15-515 CPP15-516 CPP15-517 CPP15-518 CPP15-519 CPP15-520	DDNAKRTLQILLNKR DNAKRTLQILLNKR NAKRTLQILLNKRPC AKRTLQILLNKRPC KRTLQILLNKRPCCP RTLQILLNKRPCCP TLQILLNKRPCCPRD LQILLNKRPCCPRDT LLNKRPCCPRDTWCC KRPCCPRDTWCCGFP	CPP20-256 CPP20-257	DNAKRTLQILLNKR CCPRD KRTLQILLNKRPCCP DTWC
Conotoxin A0A142C1C7	CPP10-940 CPP10-941 CPP10-942 CPP10-943 CPP10-944 CPP10-945 CPP10-946 CPP10-947 CPP10-948 CPP10-949 CPP10-950 CPP10-951	SLRDFAKKGR LRDFAKKGRK RDFAKKGRKN DFAKKGRKNL FAKKGRKNLW AKKGRKNLWR KKGRKNLWRR KGRKNLWRRS GRKNLWRRSE RKNLWRRSEC KNLWRRSECC LWRRSECCIR	CPP15-521 CPP15-522 CPP15-523 CPP15-524 CPP15-525 CPP15-526 CPP15-527 CPP15-528 CPP15-529 CPP15-530 CPP15-531 CPP15-532	TLASLRDFAKKGRKN LASLRDFAKKGRKNL SLRDFAKKGRKNLWR LRDFAKKGRKNLWRR RDFAKKGRKNLWRRS DFAKKGRKNLWRRSE FAKKGRKNLWRRSEC AKKGRKNLWRRSECC KKGRKNLWRRSECCI KGRKNLWRRSECCIR GRKNLWRRSECCIRN RKNLWRRSECCIRNF	CPP20-258 CPP20-259 CPP20-260 CPP20-261 CPP20-262 CPP20-263 CPP20-264 CPP20-265 CPP20-266	PKTKNSMTLASLRDF AKKGR TKNSMTLASLRDFAK KGRKN KNSMTLASLRDFAKK GRKNL MTLASLRDFAKKGR KNLWRR TLASLRDFAKKGRKN LWRRS LASLRDFAKKGRKNL WRRSE SLRDFAKKGRKNLW RRSECC FAKKGRKNLWRRSE CCIRNF KGRKNLWRRSECCIR NFLCC

Conotoxin A0A142C1Q1	CPP10-952 CPP10-953 CPP10-954 CPP10-955 CPP10-956 CPP10-957 CPP10-958 CPP10-959 CPP10-960 CPP10-961 CPP10-962 CPP10-963 CPP10-964 CPP10-965	FIILLLVSP SKLHGLLTRR KLHGLLTRRS HGLLTRRSK GLLTRRSKLN LLTRRSKNF TRRSKNFWK RRSLKNFWKR RSLKNFWKRN SLKNFWKRN LKNFWKRNLY KNFWKRNLYL NFWKRNLYLR FWKRNLYLRD	CPP15-533 CPP15-534 CPP15-535 CPP15-536 CPP15-537 CPP15-538 CPP15-539 CPP15-540 CPP15-541	KLHGLLTRRSKNFW LHGLLTRRSKNFWK HGLLTRRSKNFWKR GLLTRRSKNFWKRN LLTRRSKNFWKRN LTRRSKNFWKRNLY RRSLKNFWKRNLYLR RSLKNFWKRNLYLRD SLKNFWKRNLYLRDE	CPP20-267 CPP20-268 CPP20-269 CPP20-270 CPP20-271 CPP20-272	VTSKLHGLLTRRSK NFWKR KLHGLLTRRSKNFW KRNLY LHGLLTRRSKNFWK RNLYL HGLLTRRSKNFWK RNLYLR GLLTRRSKNFWKR NLYLRD LLTRRSKNFWKRN YLRDE
Conotoxin A0A142C1D2	CPP10-966 CPP10-967 CPP10-968 CPP10-969 CPP10-970 CPP10-971 CPP10-972 CPP10-973 CPP10-974 CPP10-975	PSVDARPKTK SVDARPKTKA NAKRTLQILR AKRTLQILRN KRTLQILRNK RTLQILRNKR TLQILRNKRA LQILRNKRAC QILRNKRACC LRNKRACCPY	CPP15-542 CPP15-543 CPP15-544 CPP15-545 CPP15-546 CPP15-547 CPP15-548 CPP15-549	NDNAKRTLQILRNKR DNAKRTLQILRNKRA NAKRTLQILRNKRAC AKRTLQILRNKRACC KRTLQILRNKRACCP RTLQILRNKRACCPY TLQILRNKRACCPYE LQILRNKRACCPYEP	CPP20-273 CPP20-274 CPP20-275	PLTSLNDNAKRTLQI LRNKR DNAKRTLQILRNKRA CCPYE KRTLQILRNKRACCP YEPSC
Conotoxin A0A142C1C8	CPP10-976 CPP10-977 CPP10-978 CPP10-979 CPP10-980 CPP10-981	FIILLLIPS DNAKRALQRY AKRALQRYWA KRALQRYWAK RALQRYWAKS LQRYWAKSLC	CPP15-550 CPP15-551 CPP15-552	DNAKRALQRYWAKSL NAKRALQRYWAKSLC KRALQRYWAKSLCCP	CPP20-276 CPP20-277 CPP20-278	FIILLLIPSAASVAQP KTK DNAKRALQRYWAKS LCCPED KRALQRYWAKSLCC PEDRWC
Conotoxin A0A142C1C0	CPP10-982	RWCCPNGPRM	CPP15-553	GSLQIRWCCPNGPRM		
Conotoxin A0A142C1P9	CPP10-983 CPP10-984 CPP10-985 CPP10-986 CPP10-987 CPP10-988 CPP10-989 CPP10-990 CPP10-991	FIILLLVSP PAATLPVKS LHGFLTRRSK HGFLTRRSK GFLTRRSKLD FLTRRSKDF TRRSKDFWK RRSLKDFWKR RSLKDFWKRH	CPP15-554 CPP15-555 CPP15-556 CPP15-557 CPP15-558 CPP15-559 CPP15-560 CPP15-561	KSKLHGFLTRRSKLD KLHGFLTRRSKDFW LHGFLTRRSKDFWK HGFLTRRSKDFWKR GFLTRRSKDFWKRH LTRRSKDFWKRFY RRSLKDFWKRFYLR RSLKDFWKRFYLRD	CPP20-279 CPP20-280 CPP20-281 CPP20-282 CPP20-283 CPP20-284	VSKLHGFLTRRSK DFWKR KSKLHGFLTRRSKLD FWKRH KLHGFLTRRSKDFW KRHFY HGFLTRRSKDFWK RHFYLR GFLTRRSKDFWKR

	CPP10-992 CPP10-993 CPP10-994	KDFWKRHFYL DFWKRHFYLR FWKRHFYLRD				HFYLRD FLTRRSCLKDFWKRHF YLRDE
Conotoxin A0A142C1J1	CPP10-995 CPP10-996	NAKRTLQMLR AKRTLQMLRG				
Conotoxin S4UJY9	CPP10-997 CPP10-998 CPP10-999 CPP10-1000 CPP10-1001 CPP10-1002 CPP10-1003 CPP10-1004 CPP10-1005 CPP10-1006 CPP10-1007 CPP10-1008 CPP10-1009 CPP10-1010	FIILLLVSP SKLHGLLTRR KLHGLLTRRS HGLLTRRSK GLLTRRSKLN LLTRRSKLN TRRSKLNFWK RRSLKNFWKR RSLKNFWKRN SLKNFWKRN LKNFWKRNLY KNFWKRNLYL NFWKRNLYLR FWKRNLYLRD	CPP15-562 CPP15-563 CPP15-564 CPP15-565 CPP15-566 CPP15-567 CPP15-568 CPP15-569 CPP15-570	KLHGLLTRRSKLNFW LHGLLTRRSKLNFWK HGLLTRRSKLNFWKR GLLTRRSKLNFWKRN LLTRRSKLNFWKRN LTRRSKLNFWKRNLY RRSLKNFWKRNLYLR RSLKNFWKRNLYLRD SLKNFWKRNLYLRDE	CPP20-285 CPP20-286 CPP20-287 CPP20-288 CPP20-289 CPP20-290	VTSKLHGLLTRRSK NFWKR KLHGLLTRRSKLNFW KRNLY LHGLLTRRSKLNFWK RNLYL HGLLTRRSKLNFWK RNLYLR GLLTRRSKLNFWK NLYLRD LLTRRSKLNFWKRN YLRDE
Conotoxin A0A1P7ZCP5	CPP10-1011	RWCCPNGPRF	CPP15-571	GSLQIRWCCPNGPRF		
Conotoxin S4UKA5	CPP10-1012 CPP10-1013	MRNEHQLLKK RNEHQLLKKV				
Conotoxin S4UJR6	CPP10-1014 CPP10-1015 CPP10-1016 CPP10-1017 CPP10-1018 CPP10-1019 CPP10-1020 CPP10-1021 CPP10-1022 CPP10-1023 CPP10-1024 CPP10-1025	FIILLLVSP PAATLLVKS LHGFLTRRS HGFLTRRSK GFLTRRSK FLTRRSKDF TRRSKDFWK RRSLKDFWK RSLKDFWK KDFWKRHFYL DFWKRHFYLR FWKRHFYLRD	CPP15-572 CPP15-573 CPP15-574 CPP15-575 CPP15-576 CPP15-577 CPP15-578 CPP15-579	KSKLHGFLTRRSK KLHGFLTRRSKDFW LHGFLTRRSKDFW HGFLTRRSKDFWKR GFLTRRSKDFWKRH LTRRSKDFWKRHFY RRSLKDFWKRHFYLR RSLKDFWKRHFYLRD	CPP20-291 CPP20-292 CPP20-293 CPP20-294 CPP20-295 CPP20-296 CPP20-297 CPP20-298	VFIILLLVSPAATLLV KSK FIILLLVSPAATLLVK SKL VSKLHGFLTRRSK DFWKR KSKLHGFLTRRSK FWKRH KLHGFLTRRSKDFW KRHFY HGFLTRRSKDFW RHFYLR GFLTRRSKDFWKR HFYLRD FLTRRSKDFWKRHF

						YLRDE
Conotoxin (Fragment) A0A142C1Q5	CPP10-1026 CPP10-1027 CPP10-1028 CPP10-1029 CPP10-1030	GGRKAAAKAS GRKAAAKASN RKAAAKASNR KAAAKASNRI NRIALTVRSA	CPP15-580 CPP15-581	ASGGRKAAAKASNRI KAAAKASNRIALTVR	CPP20-299	GGRKAAAKASNRIAL TVRSA
Conotoxin Bt14.5 (Fragment) A0A068B6R0	CPP10-1031 CPP10-1032 CPP10-1033 CPP10-1034 CPP10-1035	PDCRFNRGRC DCRFNRGRRCR CRFNRGRRCRP RFNRGRRCRPR FNRGRRCRPRA	CPP15-582 CPP15-583 CPP15-584	CMHPDCRFNRGRRCRP MHPDCRFNRGRRCRPR HPDCRFNRGRRCRPRA	CPP20-300 CPP20-301	DCRLCMHPDCRFNR GRRCRPR CRLCMHPDCRFNRG RCRPRA
Conotoxin Bt14.15 (Fragment) A0A068B6S1	CPP10-1036	HKCVCLKTCR				
Conotoxin Bt14.12 (Fragment) A0A068B0Y2	CPP10-1037 CPP10-1038 CPP10-1039	DCRFNPGRCR CRFNPGRCRQ RFNPGRCRQR	CPP15-585 CPP15-586	MHPDCRFNPGRCRQR HPDCRFNPGRCRQRE	CPP20-302 CPP20-303	DKPCMHDPDCRFNP GRRCRQR CKPCMHDPDCRFNPG RCRQRE
Conotoxin Bt14.16 (Fragment) A0A068B409	CPP10-1040 CPP10-1041 CPP10-1042 CPP10-1043	DCRFNPGRCR CRFNPGRCRCP RFNPGRCRCP FNPGRRCRPRE	CPP15-587 CPP15-588 CPP15-589	CMHPDCRFNPGRCRCP MHPDCRFNPGRCRCP HPDCRFNPGRCRPRE	CPP20-304 CPP20-305	DKPCMHDPDCRFNP GRRCRCP CKPCMHDPDCRFNPG RCRPRE
Conotoxin Bt14.4 (Fragment) A0A068B2G8	CPP10-1044	ACGINRGKCR				
Conotoxin (Fragment) A0A142C1V7	CPP10-1045 CPP10-1046 CPP10-1047 CPP10-1048 CPP10-1049 CPP10-1050	KRTLQIHWNK RTLQIHWNKR LQIHWNKRCC QIHWNKRCCP HWNKRCCPEK KRCCPEKIWC	CPP15-590 CPP15-591 CPP15-592 CPP15-593	DNAKRTLQIHWNKRC KRTLQIHWNKRCCPE RTLQIHWNKRCCPEK QIHWNKRCCPEKIWC	CPP20-306 CPP20-307	DNAKRTLQIHWNKR CCPEKI KRTLQIHWNKRCCP EKIWC
Conotoxin A0A142C1G6	CPP10-1051 CPP10-1052 CPP10-1053 CPP10-1054 CPP10-1055 CPP10-1056	HSPWFDPVRR FDPVRRCCSR PVRCCSRDC VRRCCSRDCR RRCCSRDCRV RCCSRDCRV	CPP15-594 CPP15-595 CPP15-596 CPP15-597	SPWFDPVRRCCSRDC FDPVRRCCSRDCRV VRRCCSRDCRVCI RRCCSRDCRVCI		

Conus ferrugineus	Conopeptide Y-Fe1 B3SVF1	CPP10-1057 CPP10-1058 CPP10-1059 CPP10-1060	YYRLWRYFTR YRLWRYFTRF RLWRYFTRFL LWRYFTRFLH	CPP15-598	YFYSYYRLWRYFTRF		
Conus characteristicus	Conotoxin Ca6.2 V5V9Y7	CPP10-1061 CPP10-1062 CPP10-1063 CPP10-1064 CPP10-1065 CPP10-1066 CPP10-1067 CPP10-1068 CPP10-1069 CPP10-1070 CPP10-1071 CPP10-1072 CPP10-1073 CPP10-1074 CPP10-1075 CPP10-1076	RNPSEARRAY PSEARRAYKR SEARRAYKRL EARRAYKRLL ARRAYKRLLQ RRAYKRLLQR RAYKRLLQRP AYKRLLQRPA YKRLLQRPARR KRLLQRPARR RLLQRPARRM LLQRPARRMD LQRPARRMDR QRPARRMDRG RPARRMDRGG PARRMDRGGC	CPP15-599 CPP15-600 CPP15-601 CPP15-602 CPP15-603 CPP15-604 CPP15-605 CPP15-606 CPP15-607 CPP15-608 CPP15-609 CPP15-610 CPP15-611 CPP15-612 CPP15-613 CPP15-614 CPP15-615	GGDRNPSEARRAYKR GDRNPSEARRAYKRL DRNPSEARRAYKRLL RNPSEARRAYKRLLQ NPSEARRAYKRLLQR PSEARRAYKRLLQRP SEARRAYKRLLQRPA EARRAYKRLLQRPAR ARRAYKRLLQRPARR RRAYKRLLQRPARRM RAYKRLLQRPARRMD AYKRLLQRPARRMDR YKRLLQRPARRMDRG KRLLQRPARRMDRGG RLLQRPARRMDRGGC LQRPARRMDRGGCTP QRPARRMDRGGCTPC	CPP20-308 CPP20-309 CPP20-310 CPP20-311 CPP20-312 CPP20-313 CPP20-314 CPP20-315 CPP20-316 CPP20-317 CPP20-318 CPP20-319 CPP20-320 CPP20-321	GQAVGGDRNPSEA RRAYKRL VGGDRNPSEARRAY KRLLQR GGDRNPSEARRAYK RLLQRP GDRNPSEARRAYKR LLQRPA DRNPSEARRAYKRLL QRPARR RNPSEARRAYKRLLQ RPARR NPSEARRAYKRLLQR PARRM PSEARRAYKRLLQRP ARRMD SEARRAYKRLLQRPA RRMDR EARRAYKRLLQRPARR MDRG ARRAYKRLLQRPARR MDRGG RRAYKRLLQRPARR MDRGGC RAYKRLLQRPARRM DRGGCT YKRLLQRPARRMDR GGCTPC
Conus flavidus	Conotoxin Fla16d V5V893	CPP10-1077 CPP10-1078 CPP10-1079 CPP10-1080 CPP10-1081	MLLLLLLLLP LLLLLLLLPL LLLLLLLLPLA FLQRLIRLIH RLIRLIHGSD	CPP15-616	TLEMLLLLLLLPLA		
	Alpha-conotoxin-like U3L010	CPP10-1082	RGCCSDPPCR				

	A-conotoxin peptide Fla1.6 U3L0F2	CPP10-1083 CPP10-1084 CPP10-1085	DWIAQALKRC WIAQALKRCC CAHVNCRGRR	CPP15-617	WIAQALKRCCGNPPC		
	A-conotoxin peptide Fla6.2 (Fragment) U3KZW1	CPP10-1086	CAYPPCRHKH				
	A-conotoxin peptide Fla1.1 U3L069	CPP10-1087 CPP10-1088	AIKQCCRNPK KQCCRNPKCS	CPP15-618	WIALAIKQCCRNPKC		
	A-conotoxin peptide Fla6.1 (Fragment) U3L0E9	CPP10-1089	CAYPPCRHKH				
	A-conotoxin peptide Fla1.7a (Fragment) U3KZV0	CPP10-1090	EICRRMLQNP				
	Conotoxin U3L0G6	CPP10-1091 CPP10-1092 CPP10-1093 CPP10-1094	AKRTLQRLWI KRTLQRLWIK RTLQRLWIK LQRLWIKALC	CPP15-619 CPP15-620 CPP15-621 CPP15-622 CPP15-623	FHDDAKRTLQRLWIK HDDAKRTLQRLWIK DDAKRTLQRLWIKAL AKRTLQRLWIKALCC KRTLQRLWIKALCCY		
Conus monile	Kappa-conotoxin Mo1659 P84713	CPP10-1095	GSWYRFPWGY				
	Conopressin/cono physin, isoform 3 (Fragment) A0A4Y5X1A7	CPP10-1096 CPP10-1097 CPP10-1098	FIRNCPKGGK IRNCPKGGKR RNCPPKGGKRN				
	Conophysin-conopressin, isoform 1 (Fragment) A0A291NVT7	CPP10-1099 CPP10-1100 CPP10-1101	GRPTLLPCLL LLPCLLLLLV HMIQPTKPCM				
	Conopressin/cono physin, isoform 2 (Fragment) A0A4Y5X186	CPP10-1102 CPP10-1103 CPP10-1104 CPP10-1105 CPP10-1106	GCFIRNCPRG FIRNCPRGGK IRNCPRGGKR RNCPRGGKRA LQPTRQCMSC	CPP15-624 CPP15-625 CPP15-626 CPP15-627 CPP15-628	QGCFIRNCPRGGKRA GCFIRNCPRGGKRAV DSVSARQELLTIRR RQELLTIRRLLVNR LLTIRRLLVNRQYD	CPP20-322 CPP20-323	LLGTAQGCFIRNCPR GGKRA FIRNCPRGGKRAVD ALQPTR

		CPP10-1107 CPP10-1108 CPP10-1109 CPP10-1110	RQELLTLIRR ELLTLIRRL TLIRRLLVNR LIRRLLVNRQ				
	Contryphan-Mo (Fragment) A0A1P8NVU1	CPP10-1111 CPP10-1112 CPP10-1113 CPP10-1114 CPP10-1115 CPP10-1116 CPP10-1117 CPP10-1118 CPP10-1119	RDVNPGRARR DVNPGRARRK VNPGRARRKL NPGRARRKLM PGRARRKLMK GRARRKLMKV RARRKLMKVL ARRKLMKVL RRKLMKVLRE	CPP15-629 CPP15-630 CPP15-631 CPP15-632 CPP15-633 CPP15-634 CPP15-635 CPP15-636	AVPRDVNPGRARRKL PRDVNPGRARRKLMK RDVNPGRARRKLMKV DVNPGRARRKLMKVL VNPGRARRKLMKVL NPGRARRKLMKVLRE PGRARRKLMKVLRES GRARRKLMKVLRESE	CPP20-324 CPP20-325 CPP20-326 CPP20-327 CPP20-328 CPP20-329 CPP20-330 CPP20-331 CPP20-332	QPADRNAVPRDVN PGRARRK DRNAVPRDVNPGR ARRKLMK RNAVPRDVNPGRAR RKLMKV AVPRDVNPGRARRK LMKVL VPRDVNPGRARRKL MKVLRE PGRARRKLMKVLRE SECPWK GRARRKLMKVLRES ECPWK RARRKLMKVLRESEC PWKPW ARRKLMKVLRESECP WKPWC
	Conotoxin (Fragment) A0A0P0C7W0	CPP10-1120 CPP10-1121	PIFILLLLV RKYLTFEFRK	CPP15-637 CPP15-638	RKYLTFEFRKDFERR RRAGNPRGNWCCSAR	CPP20-333	RKYLTFEFRKDFERR AGNPR
Conus striatus	Mu-conotoxin SIIIA Q86DU6	CPP10-1122 CPP10-1123 CPP10-1124 CPP10-1125	DQPADRPAER SKWCRDHARC KWCRDHARCC CRDHARCCGR				
	Con-ikot-ikot P0CB20	CPP10-1126 CPP10-1127 CPP10-1128 CPP10-1129 CPP10-1130 CPP10-1131	QEPDLSRMRR PDLSRMRRSG DLSRMRRSGP LSRMRRSGPA SRMRRSGPAD RMRRSGPADC	CPP15-639 CPP15-640 CPP15-641 CPP15-642	QEPDLSRMRRSGPAD DLSRMRRSGPADCCR LSRMRRSGPADCCRM SRMRRSGPADCCRMK		
	Mu-conotoxin SIIIC P0C349	CPP10-1132 CPP10-1133 CPP10-1134 CPP10-1135	RHGCKGPKG KGCSSRECRP GCSSRECRPQ SSRECRPQHC				

Omega-conotoxin SVIA P28880	CPP10-1136 CPP10-1137 CPP10-1138 CPP10-1139 CPP10-1140 CPP10-1141 CPP10-1142 CPP10-1143 CPP10-1144 CPP10-1145 CPP10-1146 CPP10-1147	RGTQKHRTLRL GTQKHRTLRLS TQKHRTLRLST KHRTLRLSTAR HRTLRLSTARR RTLRLSTARRS TLRLSTARRSK LRSTARRSKS RSTARRSKSE RRSKSESTTR CCGRCYRGKC CGRCYRGKCT	CPP15-643 CPP15-644 CPP15-645 CPP15-646 CPP15-647 CPP15-648 CPP15-649 CPP15-650 CPP15-651 CPP15-652 CPP15-653 CPP15-654	TAEDSRGTQKHRTLRL SRGTQKHRTLRLSTAR RGTQKHRTLRLSTARR GTQKHRTLRLSTARRS TQKHRTLRLSTARRSK QKHRTLRLSTARRSKS KHRTLRLSTARRSKSE HRTLRLSTARRSKSES TLRLSTARRSKSESTT LRSTARRSKSESTTR RSTARRSKSESTTRC STARRSKSESTTRCR	CPP20-334 CPP20-335 CPP20-336 CPP20-337 CPP20-338 CPP20-339 CPP20-340 CPP20-341 CPP20-342	DSRGTQKHRTLRLSTA RRSKS SRGTQKHRTLRLSTAR RSKSE RGTQKHRTLRLSTARR SKSES GTQKHRTLRLSTARRS KSEST QKHRTLRLSTARRSKS ESTTR KHRTLRLSTARRSKSE STTRC HRTLRLSTARRSKSES TTRCR TLRLSTARRSKSESTTR CRSS RSTARRSKSESTTRC RSSGS
Omega-conotoxin SO-3 Q9XZK2	CPP10-1148 CPP10-1149 CPP10-1150 CPP10-1151 CPP10-1152 CPP10-1153 CPP10-1154 CPP10-1155 CPP10-1156 CPP10-1157 CPP10-1158 CPP10-1159 CPP10-1160	RGTQKHRTLRL GTQKHRTLRLS TQKHRTLRLSK QKHRTLRLSKT KHRTLRLSKTK HRTLRLSKTKL RTLRLSKTKLS TLRLSKTKLSM RSKTKLSMST KLSMSTRCKA STRCKAAGKP TRCKAAGKPC CKAAGKPCSR	CPP15-655 CPP15-656 CPP15-657 CPP15-658 CPP15-659 CPP15-660 CPP15-661 CPP15-662 CPP15-663 CPP15-664 CPP15-665 CPP15-666 CPP15-667	TADDSRGTQKHRTLRL DDSRGTQKHRTLRLSK DSRGTQKHRTLRLSKT SRGTQKHRTLRLSKTK RGTKHRTLRLSKTKL GTQKHRTLRLSKTKLS TQKHRTLRLSKTKLSM QKHRTLRLSKTKLSMS KHRTLRLSKTKLSMST HRTLRLSKTKLSMSTR TLRLSKTKLSMSTRCK KLSMSTRCKAAGKPC CKAAGKPCSR IAYNC	CPP20-343 CPP20-344 CPP20-345 CPP20-346 CPP20-347 CPP20-348 CPP20-349 CPP20-350 CPP20-351 CPP20-352 CPP20-353 CPP20-354	QLITADDSRGTQKH RTLRLSK ITADDSRGTQKHRTL RSKTK SRGTQKHRTLRLSKTK LSMST RGTKHRTLRLSKTKL SMSTR GTQKHRTLRLSKTKLS MSTRC TQKHRTLRLSKTKLSM STRCK QKHRTLRLSKTKLSMS TRCKA KHRTLRLSKTKLSMST RCKAA HRTLRLSKTKLSMSTR CKAAG TLRLSKTKLSMSTRCK AAGKP RSKTKLSMSTRCKAA GKPCS SKTKLSMSTRCKAAG KPCSR

Omega-conotoxin SVIB P28881	CPP10-1161 CPP10-1162 CPP10-1163 CPP10-1164 CPP10-1165 CPP10-1166 CPP10-1167 CPP10-1168 CPP10-1169 CPP10-1170 CPP10-1171 CPP10-1172	RGTQKHRALR GTQKHRALRS TQKHRALRS KHRALRSDTK RALRSDTKLP RSDTKLPMST KLPWSTRCKL LPMSTRCKLK PMSTRCKLKG MSTRCKLKGQ CKLKGQSCRK KGQSCRKTSY	CPP15-668 CPP15-669 CPP15-670 CPP15-671 CPP15-672 CPP15-673 CPP15-674 CPP15-675	SRGTQKHRALRSDTK RGTQKHRALRSDTKL GTQKHRALRSDTKLP KHRALRSDTKLPMST RSDTKLPMSTRCKLK SDTKLPMSTRCKLKG KLPWSTRCKLKGQSC MSTRCKLKGQSCRKT	CPP20-355 CPP20-356 CPP20-357 CPP20-358 CPP20-359	QKHRALRSDTKLPM STRCKL KHRALRSDTKLPMST RCKLK HRALRSDTKLPMSTR CKLKG RALRSDTKLPMSTRC KLKGQ KLPWSTRCKLKGQS CRKTSY
Delta-conotoxin SVIE Q9XZK5	CPP10-1173 CPP10-1174 CPP10-1175 CPP10-1176	YGLKNLFPKA GLKNLFPKAR PKARHEMKNP KNPEASKLNK	CPP15-676	LKNLFPKARHEMKNP	CPP20-360 CPP20-361	DSRYGLKNLFPKARH EMKNP LFPKARHEMKNPEA SKLNKR
Kunitz-type conkunitzin-S1 POC1X2	CPP10-1177 CPP10-1178 CPP10-1179 CPP10-1180	GTGTLPLPKDR LLPKDRPSLC KRIYYNSARK YNSARKQCLR	CPP15-677 CPP15-678 CPP15-679	LLPKDRPSLCDLPAD KAEKRIYYNSARKQC EKRIYYNSARKQCLR	CPP20-362	SGTKAEKRIYYNSAR KQCLR
Contryphan-S POC837	CPP10-1181	MNVQRRSGCP				
Mu-conotoxin SIIIB POCE77	CPP10-1182 CPP10-1183	SSKWCKGHAR KWCKGHARCC				
Kappa-conotoxin- like SIVB POC829	CPP10-1184 CPP10-1185 CPP10-1186 CPP10-1187 CPP10-1188 CPP10-1189 CPP10-1190 CPP10-1191 CPP10-1192	CRCTNSCPTK RCTNSCPTKP TNSCPTKPKK NSCPTKPKKP SCPTKPKKPG CPTKPKKPGR PTKPKKPGRR TKPKKPGRRN KPKKPGRRND	CPP15-680 CPP15-681 CPP15-682 CPP15-683 CPP15-684 CPP15-685	PCRCTNSCPTKPKKP CRCTNSCPTKPKKPG RCTNSCPTKPKKPGR CTNSCPTKPKKPGRR TNSCPTKPKKPGRRN NSCPTKPKKPGRRND		
Omega-conotoxin- like SVIA mutant 1 Q9XZL4	CPP10-1193 CPP10-1194 CPP10-1195 CPP10-1196 CPP10-1197 CPP10-1198 CPP10-1199	RGAQKHRTLRL GAQKHRTLRLS AQKHRTLRLST KHRTLRLSTAR HRTLRLSTARR RTLRLSTARRS TLRLSTARRSK	CPP15-686 CPP15-687 CPP15-688 CPP15-689 CPP15-690 CPP15-691 CPP15-692	SRGAQKHRTLRLSTAR RGAQKHRTLRLSTARR GAQKHRTLRLSTARRS AQKHRTLRLSTARRSK QKHRTLRLSTARRSKS KHRTLRLSTARRSKSE HRTLRLSTARRSKSEL	CPP20-363 CPP20-364 CPP20-365 CPP20-366 CPP20-367 CPP20-368 CPP20-369	DSRGAQKHRTLRLST ARRSKS SRGAQKHRTLRLSTA RRSKSE RGAQKHRTLRLSTAR RSKSEL GAQKHRTLRLSTARR

	CPP10-1200 CPP10-1201 CPP10-1202 CPP10-1203 CPP10-1204 CPP10-1205 CPP10-1206	LRSTARRSKS RSTARRSKSE RRSKSELTTTR KSELTTTRCRP ELTTTRCRPSG CCGRCYRGKC CGRCYRGKCT	CPP15-693 CPP15-694 CPP15-695 CPP15-696 CPP15-697 CPP15-698	TLRSTARRSKSELTT LRSTARRSKSELTTTR RSTARRSKSELTTTRC STARRSKSELTTTRCR TARRSKSELTTTRCRP RRSKSELTTTRCRPSG	CPP20-370 CPP20-371 CPP20-372 CPP20-373	SKSELT QKHRTLSTARRSKS ELTTTR KHRTLSTARRSKSE LTTRC HRTLSTARRSKSELT TRCR RTLSTARRSKSELTT RCRP TLRSTARRSKSELTTTR CRPS LRSTARRSKSELTTTRC RPSG RSTARRSKSELTTTRC RPSGS
Omega-conotoxin- like SO-4 Q9XZK3	CPP10-1207 CPP10-1208 CPP10-1209 CPP10-1210 CPP10-1211 CPP10-1212 CPP10-1213	SRGTQKHRSL RGTQKHRSLR GTQKHRSLRS TQKHRSLRST KHRSLRSTTK HRSLRSTTKV SLRSTTKVSK	CPP15-699 CPP15-700 CPP15-701 CPP15-702 CPP15-703 CPP15-704 CPP15-705	TADDSRGTQKHRSLR SRGTQKHRSLRSTTK RGTQKHRSLRSTTKV GTQKHRSLRSTTKVS TQKHRSLRSTTKVSK QKHRSLRSTTKVSKA KHRSLRSTTKVSKAT	CPP20-374 CPP20-375	DSRGTQKHRSLRSTT KVSKA SRGTQKHRSLRSTTK VSKAT
Omega-conotoxin- like SO-5 Q9XZK4	CPP10-1214 CPP10-1215 CPP10-1216 CPP10-1217 CPP10-1218 CPP10-1219 CPP10-1220	SRGTQKHRSL RGTQKHRSLR GTQKHRSLRS TQKHRSLRST KHRSLRSTTK HRSLRSTTKV SLRSTTKVSK	CPP15-706 CPP15-707 CPP15-708 CPP15-709 CPP15-710 CPP15-711 CPP15-712	TADDSRGTQKHRSLR SRGTQKHRSLRSTTK RGTQKHRSLRSTTKV GTQKHRSLRSTTKVS TQKHRSLRSTTKVSK QKHRSLRSTTKVSKS KHRSLRSTTKVSKST	CPP20-376	SRGTQKHRSLRSTTK VSKST
Delta-conotoxin- like S6.8 B2KJ30	CPP10-1221 CPP10-1222 CPP10-1223 CPP10-1224	RNLGNLFPK GLKNLFPKAR PKARHEMKNP KNPDASKLNK	CPP15-713	LKNLFPKARHEMKNP	CPP20-377 CPP20-378	DSRNLGNLFPKAR HEMKNP LFPKARHEMKNPDA SKLNKRI
Omega-conotoxin- like 6 Q5K0D3	CPP10-1225 CPP10-1226 CPP10-1227 CPP10-1228 CPP10-1229 CPP10-1230	RGVQKHRSLR GVQKHRSLRS VQKHRSLRST KHRSLRSTTK HRSLRSTTKV SLRSTTKVSK	CPP15-714 CPP15-715 CPP15-716 CPP15-717 CPP15-718 CPP15-719	SRGVQKHRSLRSTTK RGVQKHRSLRSTTKV GVQKHRSLRSTTKVS VQKHRSLRSTTKVSK QKHRSLRSTTKVSKS KHRSLRSTTKVSKST		
Omega-conotoxin- like 9 Q5K0D2	CPP10-1231 CPP10-1232 CPP10-1233	YGLKNLFPKA GLKNLFPKAR PKARHEMKNP	CPP15-720	LKNLFPKARHEMKNP	CPP20-379 CPP20-380	DSRYGLKNLFPKARH EMKNP LFPKARHEMKNPEA

	CPP10-1234 CPP10-1235	KNPEASKLNK KLNKREGCSS				SKLNKR
Omega-conotoxin-like 2 Q5K0D8	CPP10-1236 CPP10-1237 CPP10-1238 CPP10-1239 CPP10-1240 CPP10-1241 CPP10-1242	SRGTQKHRSR RGTKHRSR GTQKHRSR TQKHRSRST KHSRSTTK HRSRSTTKV SLRSTTKVSK	CPP15-721 CPP15-722 CPP15-723 CPP15-724 CPP15-725 CPP15-726 CPP15-727	TADDSRGTQKHRSR SRGTQKHRSRSTTK RGTKHRSRSTTKV GTQKHRSRSTTKVS TQKHRSRSTTKVSK QKHRSRSTTKVSKA KHSRSTTKVSKAA	CPP20-381 CPP20-382	DSRGTQKHRSRSTTKVSKA SRGTQKHRSRSTTKVSKAA
Omega-conotoxin-like 15 Q5K0D5	CPP10-1243 CPP10-1244 CPP10-1245 CPP10-1246 CPP10-1247 CPP10-1248 CPP10-1249 CPP10-1250 CPP10-1251 CPP10-1252 CPP10-1253 CPP10-1254 CPP10-1255 CPP10-1256	RGTKKHRTLRL GTQKHRTLRLS TQKHRTLRLST KHRTLRLSTAR HRTLRLSTARR RTLRLSTARRS TLRLSTARRSK LRSTARRSKS RSTARRSKSE RRSKSELTTTR KSELTTTRCRP ELTTTRCRPSG CCGRCSRKGK CGRCSRKGKCT	CPP15-728 CPP15-729 CPP15-730 CPP15-731 CPP15-732 CPP15-733 CPP15-734 CPP15-735 CPP15-736 CPP15-737 CPP15-738 CPP15-739 CPP15-740 CPP15-741	TAEDSRGTQKHRTLRL SRGTQKHRTLRLSTAR RGTKKHRTLRLSTARR GTQKHRTLRLSTARRS TQKHRTLRLSTARRSK QKHRTLRLSTARRSKS KHRTLRLSTARRSKSE HRTLRLSTARRSKSEL TLRLSTARRSKSELTT LRSTARRSKSELTTTR RSTARRSKSELTTTRC STARRSKSELTTTRCR TARRSKSELTTTRCRP RRSKSELTTTRCRPSG	CPP20-383 CPP20-384 CPP20-385 CPP20-386 CPP20-387 CPP20-388 CPP20-389 CPP20-390 CPP20-391 CPP20-392	DSRGTQKHRTLRLSTAR RRSKS SRGTQKHRTLRLSTAR RSKSE RGTKKHRTLRLSTARR SKSEL QKHRTLRLSTARRSKS ELTTTR KHRTLRLSTARRSKSE LTTTRC HRTLRLSTARRSKSELTT TRCR RTLRLSTARRSKSELTT RCRP TLRLSTARRSKSELTTTR CRPS LRSTARRSKSELTTTRC RPSG RSTARRSKSELTTTRC RPSGS
Conotoxin 3 Q5K0D7	CPP10-1257 CPP10-1258	RGTEHRLRL EHLRLSDTK	CPP15-742	SRGTQEHLRLRLSDTK		
Conotoxin S6.11 P0C834	CPP10-1259 CPP10-1260 CPP10-1261 CPP10-1262 CPP10-1263 CPP10-1264	KLTIALLVAA KAKSNFFSKR AKSNFFSKRK KSNFFSKRKS SNFFSKRKS KCAHHRCIAW	CPP15-743 CPP15-744 CPP15-745	DERQKAKSNFFSKRK QKAKSNFFSKRKSNA KAKSNFFSKRKSNAE	CPP20-393 CPP20-394 CPP20-395	QGGLDERQKAKSNFFSKRKS GGGLDERQKAKSNFFSKRKS GLDERQKAKSNFFSKRKSNA

Conotoxin S6.10 POC833	CPP10-1265 CPP10-1266 CPP10-1267 CPP10-1268 CPP10-1269 CPP10-1270 CPP10-1271 CPP10-1272 CPP10-1273 CPP10-1274 CPP10-1275 CPP10-1276 CPP10-1277 CPP10-1278	AKTYSKGRQK KTYSKGRQKH TYSKGRQKHR YSKGRQKHRA SKGRQKHRAL KGRQKHRALR GRQKHRALRS RQKHRALRST KHRALRSTDK DKNIKLTRRC KNIKLTRRCT NIKLTRRCTP IKLTRRCTPD KLTRRCTPDD	CPP15-746 CPP15-747 CPP15-748 CPP15-749 CPP15-750 CPP15-751 CPP15-752 CPP15-753 CPP15-754 CPP15-755 CPP15-756 CPP15-757 CPP15-758 CPP15-759 CPP15-760	QLATAKTYSKGRQKH ATAKTYSKGRQKHRA AKTYSKGRQKHRALR KTYSKGRQKHRALRS TYSKGRQKHRALRST SKGRQKHRALRSTDK KGRQKHRALRSTDKNI GRQKHRALRSTDKNIK QKHRALRSTDKNIKLT KHRALRSTDKNIKLT ALRSTDKNIKLTRRC LRSTDKNIKLTRRCT STDKNIKLTRRCTPD KNIKLTRRCTPDDGA	CPP20-396 CPP20-397 CPP20-398 CPP20-399 CPP20-400 CPP20-401 CPP20-402 CPP20-403 CPP20-404 CPP20-405 CPP20-406 CPP20-407	CQLATAKTYSKGRQ KHRALR QLATAKTYSKGRQK HRALRS LATAKTYSKGRQKHR ALRST TAKTYSKGRQKHRAL RSTDK KTYSKGRQKHRALRS TDKNI TYSKGRQKHRALRST DKNIK KGRQKHRALRSTDK NIKLTR GRQKHRALRSTDKNI KLTRR RQKHRALRSTDKNIK LTRRC QKHRALRSTDKNIKLT TRRCT KHRALRSTDKNIKLT RRCTP HRALRSTDKNIKLTR RCTPD
Iota-conotoxin- like S11.2 (Fragment) POC259	CPP10-1279 CPP10-1280	GCKKDRKPCS CKKDRKPCSY				
conotoxin S11.3 P69499	CPP10-1281 CPP10-1282 CPP10-1283 CPP10-1284 CPP10-1285 CPP10-1286 CPP10-1287 CPP10-1288 CPP10-1289 CPP10-1290 CPP10-1291 CPP10-1292	MMFRLTSVSC LTRRCVPPSR TRRCVPPSR RCVPPSRYCT PSRYCTRHRP SRYCTRHRPC RYCTRHRPCCR YCTRHRPCCR CTRHRPCCRG TRHRPCCRG HRPCCRGTC RPCCRGTC	CPP15-761 CPP15-762 CPP15-763 CPP15-764 CPP15-765 CPP15-766 CPP15-767 CPP15-768 CPP15-769 CPP15-770	QVVLTRRCVPPSR YCTRH TRRCVPPSRYCTRHR RRCVPPSRYCTRHRP RCVPPSRYCTRHRPC CVPPSRYCTRHRPCC VPPSRYCTRHRPCCR PSRYCTRHRPCCRG T RYCTRHRPCCRGTC	CPP20-408 CPP20-409 CPP20-410 CPP20-411 CPP20-412 CPP20-413 CPP20-414 CPP20-415 CPP20-416	FQVVLTRRCVPPSR YCTRHR QVVLTRRCVPPSR YCTRHRP VVLTRRCVPPSR YCTRHRPC VLTRRCVPPSR YCTRHRPCCR LTRRCVPPSR YCTRHRPCCR TRRCVPPSR YCTRHRPCCR RRCVPPSR YCTRHRPCCR GT

						RYCTRHRPCCRGTCC SGLCR YCTRHRPCCRGTCCS GLCRP
Alpha-conotoxin- like (Fragment) D4HPH0	CPP10-1293	SCSRPSEPRR				
Conotoxin (Fragment) Q45RU7	CPP10-1294	KCGYRVSPGK				
Conotoxin S5.1 (Fragment) Q45RU8	CPP10-1295 CPP10-1296	CLSENKRRLT ENRKRRLTCSG				
Superfamily conotoxin (Fragment) D4HPG9	CPP10-1297 CPP10-1298	RSGRCCHPAC RCCHPACGRK	CPP15-771	SDRSGRCCHPACGRK		
Superfamily conotoxin D4HPH3	CPP10-1299 CPP10-1300 CPP10-1301 CPP10-1302 CPP10-1303 CPP10-1304	NSCPTKPKKP SCPTKPKKPG CPTKPKKPGR PTKPKKPGRR TKPKKPGRRN KPKKPGRRND	CPP15-772	NSCPTKPKKPGRND		
A superfamily conotoxin S1.1a S4UJZ7	CPP10-1305 CPP10-1306	RNGCCRN PAC RNPACESHRC	CPP15-773 CPP15-774	KHALDRNGCCRN PAC RNGCCRN PACESHRC	CPP20-417	KHALDRNGCCRN PA CESHRC
A superfamily conotoxin S4.4 S4UJD9	CPP10-1307 CPP10-1308 CPP10-1309 CPP10-1310 CPP10-1311 CPP10-1312 CPP10-1313 CPP10-1314 CPP10-1315 CPP10-1316	CRCTNSCPKK RCTNSCPKKP CTNSCPKKPK TNNSCPKKPKK NSCPKKPKKP SCPKPKKPG CPKKPKKPGR PKKPKKPGRR KKPKKPGRRN KPKKPGRRND	CPP15-775 CPP15-776 CPP15-777 CPP15-778 CPP15-779 CPP15-780	PCRCTNSCPKKPKKP CRCTNSCPKKPKKPG RCTNSCPKKPKKPGR CTNSCPKKPKKPGRR TNNSCPKKPKKPGRRN NSCPKKPKKPGRRND		
Conotoxin S4UJE7	CPP10-1317 CPP10-1318 CPP10-1319 CPP10-1320 CPP10-1321	PLSSFRGHAK RGHAKSTLRR GHAKSTLRLR HAKSTLRLRQ AKSTLRLRQD	CPP15-781 CPP15-782 CPP15-783 CPP15-784 CPP15-785	PLSSFRGHAKSTLRR FRGHAKSTLRLRQDK RGHAKSTLRLRQDKQ GHAKSTLRLRQDKQT AKSTLRLRQDKQTCC	CPP20-418	KSTLRLRQDKQTCCG YRMCI

		CPP10-1322	KSTLRRQLQDK	CPP15-786	KSTLRRQLQDKQTCCG		
	Conotoxin S4UKA0	CPP10-1323 CPP10-1324 CPP10-1325 CPP10-1326 CPP10-1327 CPP10-1328 CPP10-1329 CPP10-1330 CPP10-1331	LRDNLKRTIR RDNLKRTIRT DNLKRTIRTTR NLKRTIRTTRL LKRTIRTRLN KRTIRTRLNI RTIRTRLNIR TIRTRLNIRE RTRLNIRECC	CPP15-787 CPP15-788 CPP15-789 CPP15-790 CPP15-791 CPP15-792 CPP15-793 CPP15-794 CPP15-795	LSPLRDNLKRTIRT SPLRDNLKRTIRTTRL PLRDNLKRTIRTRLN LRDNLKRTIRTRLNI RDNLKRTIRTRLNIR DNLKRTIRTRLNIRE NLKRTIRTRLNIREC LKRTIRTRLNIRECC RTIRTRLNIRECCED	CPP20-419	PLSPLRDNLKRTIRT RLNIR
	Conotoxin S4UJX8	CPP10-1332 CPP10-1333	PSVDARPKTK RNLQILCCKH				
	Conotoxin S4UJQ7	CPP10-1334 CPP10-1335 CPP10-1336 CPP10-1337 CPP10-1338 CPP10-1339 CPP10-1340 CPP10-1341 CPP10-1342	IQNTLQTLRK QNTLQTLRKK NTLQTLRKKV TLQTLRKKVC LQTLRKKVCC QTLRKKVCCR TLRKKVCCRP RKKVCCRP KKVCCRP MKQD	CPP15-796 CPP15-797 CPP15-798	DNIQNTLQTLRKKVC IQNTLQTLRKKVCCR TLQTLRKKVCCRP MKQ		
Conus kinoshitai	Mu-conotoxin KIIIB (Fragment) POC195	CPP10-1343 CPP10-1344 CPP10-1345 CPP10-1346	SSKWCRDHSR SKWCRDHSRC KWCRDHSRCC CRDHSRCCGR				
Conus geographus	Conophysin- conopressin P05486	CPP10-1347 CPP10-1348 CPP10-1349 CPP10-1350	FIRNCPKGGK IRNCPKGGKR RNCPPKGGKRD PRICCGPRGC	CPP15-799 CPP15-800 CPP15-801	TQACFIRNCPKGGKR QACFIRNCPKGGKRD RDVDERYLKACMSC	CPP20-420	LLTTQACFIRNCPK GGKRD
Conus textile	Omega-conotoxin- like Tx04 Q9XZL1	CPP10-1351	GMIKIGPPCC				
	Alpha-conotoxin- like Tx1 Q9XZK6	CPP10-1352 CPP10-1353 CPP10-1354 CPP10-1355 CPP10-1356 CPP10-1357	TSGRRAFHGR SGRRAFHGRN GRRAFHGRNA RRAFHGRNAA VSLTDRRPEC RRPECCSDPR	CPP15-802 CPP15-803 CPP15-804 CPP15-805	SSTSGRRAFHGRNAA GRRAFHGRNAAKAS VSLTDRRPECCSDPR SLTDRRPECCSDPRC		

	Omega-conotoxin-like TxO6 Q9XZL3	CPP10-1358	GLANLFSKSR				
	Alpha-conotoxin-like Tx2 Q9XZK7	CPP10-1359 CPP10-1360 CPP10-1361 CPP10-1362 CPP10-1363	TSGRRTFHGR SGRRTFHGRN GRRTFHGRNA RRTFHGRNAA VSLTDRRPEC	CPP15-806 CPP15-807	SFTSGRRTFHGRNAA GRRTFHGRNAAAKAS		
Conus tessulatus	Mu-conotoxin TsIIIA H2BKS9	CPP10-1364 CPP10-1365 CPP10-1366 CPP10-1367 CPP10-1368 CPP10-1369 CPP10-1370	DQKRGCCRWP QKRGCCRWPC KRGCCRWPCCP RGCCRWPCCPS GCCRWPCPSR CCRWPCPSRC RWPCPSRCGM	CPP15-808 CPP15-809 CPP15-810 CPP15-811	FDQKRGCCRWPCCPSR QKRGCCRWPCCPSRCG KRGCCRWPCCPSRCGM GCCRWPCPSRCGMAR	CPP20-421 CPP20-422 CPP20-423	FDQKRGCCRWPCCPS RCGMAR QKRGCCRWPCCPSRC GMARCC KRGCCRWPCCPSRCG MARCCS
	Conotoxin TsMMSK-021 Q9BPJ9	CPP10-1371	DQHADRPADR				
	Conotoxin TsMSG-2 Q9BP73	CPP10-1372 CPP10-1373 CPP10-1374 CPP10-1375 CPP10-1376 CPP10-1377 CPP10-1378 CPP10-1379 CPP10-1380 CPP10-1381	QRDAVNRRRR RDAVNRRRRR DAVNRRRRRS AVNRRRRRSI VN79VRRRRRSIA NVRRRRSIAG VRRRRSIAGR RRRRSIAGRT RRRSIAGRTT RRSIAGRTTT	CPP15-812 CPP15-813 CPP15-814 CPP15-815 CPP15-816 CPP15-817 CPP15-818 CPP15-819	KQATQRDAVNRRRR TQRDAVNRRRRRSIA QRDAVNRRRRRSIAG RDAVNRRRRRSIAGR DAVNRRRRRSIAGRT AVNRRRRRSIAGRTT VNVRRRRSIAGRTTT NVRRRRSIAGRTTTE	CPP20-424	KQATQRDAVNRRRR RSIAGR
	Conotoxin TsMSG-13 Q9BP75	CPP10-1382 CPP10-1383 CPP10-1384 CPP10-1385 CPP10-1386 CPP10-1387 CPP10-1388 CPP10-1389 CPP10-1390 CPP10-1391 CPP10-1392 CPP10-1393	QRDAINVRRR RDAINVRRRR DAINVRRRRS AINVRRRRSI INVRRRRSIT NVRRRRSITR VRRRRSITRR RRRRSITRRG RRRSITRRGD RRSITRRGDE RSITRRGDEE CGRTNGHPRC	CPP15-820 CPP15-821 CPP15-822 CPP15-823 CPP15-824 CPP15-825 CPP15-826 CPP15-827 CPP15-828 CPP15-829 CPP15-830	KQATQRDAINVRRRR QATQRDAINVRRRRS ATQRDAINVRRRRSI TQRDAINVRRRRSIT QRDAINVRRRRSITR RDAINVRRRRSITRR DAINVRRRRSITRRG AINVRRRRSITRRGD INVRRRRSITRRGDE NVRRRRSITRRGDEE VRRRRSITRRGDEEC	CPP20-425 CPP20-426 CPP20-427 CPP20-428 CPP20-429	EKQATQRDAINVRR RRSITR KQATQRDAINVRRR RSITRR QATQRDAINVRRRR SITRRG ATQRDAINVRRRRSI TRRGD TQRDAINVRRRRSIT RRGDE

	Conotoxin TsMMSK-B022 Q9BPi8	CPP10-1394	RSPWFDPVRR				
	Conotoxin TsMEKL-03 (Fragment) Q9BPC0	CPP10-1395 CPP10-1396 CPP10-1397 CPP10-1398 CPP10-1399	RSNKKIKALSK SNKKIKALSKR NKKIKALSKRK KKIKALSKRKT KALSKRKTTA	CPP15-831 CPP15-832 CPP15-833 CPP15-834	GVEKRSNKKIKALSKR EKRSNKKIKALSKRKT KRSNKKIKALSKRKTT RSNKKIKALSKRKTTA	CPP20-430 CPP20-431	ALIQSGVEKRSNKKIK ALSKR IQSGVEKRSNKKIKALS KRKT
	Conotoxin TsMEKL-011 Q9BPB9	CPP10-1400 CPP10-1401 CPP10-1402 CPP10-1403 CPP10-1404 CPP10-1405 CPP10-1406 CPP10-1407 CPP10-1408 CPP10-1409	KLTIILLVAA ALIQRGGAKR LIQRGGAKRR IQRGGAKRRK QRGGAKRRKV RGGAKRRKVN GGAKRRKVN GAKRRKVNFF KRRKVNFFSI RRKVNFFSIR	CPP15-835 CPP15-836 CPP15-837 CPP15-838 CPP15-839 CPP15-840 CPP15-841	MSTQALIQRGGAKRR STQALIQRGGAKRRK QALIQRGGAKRRKVN ALIQRGGAKRRKVN RGGAKRRKVNFFSIR GGAKRRKVNFFSIRE KRRKVNFFSIREPGA	CPP20-432	AAVLMSTQALIQRG GAKRRK
	Conotoxin TsMEKL-P012 Q9BPC1	CPP10-1410 CPP10-1411 CPP10-1412 CPP10-1413 CPP10-1414 CPP10-1415 CPP10-1416 CPP10-1417	KLTIILLVAA KKGGEKRQK GGGEKRQKEK GGEKRQKEKI EKQKEKINF KEKINFLSKR EKINFLSKRK KINFLSKRKT	CPP15-842 CPP15-843 CPP15-844 CPP15-845 CPP15-846	ALIKGGGGEKRQKEK KKGGEKRQKEKINF EKQKEKINFLSKRK KRQKEKINFLSKRKT QKEKINFLSKRKT	CPP20-433 CPP20-434 CPP20-435 CPP20-436	KKGGEKRQKEKINF LSKRK KKGGEKRQKEKINF SKRKT GGGEKRQKEKINF KRKT GGEKRQKEKINF SKRKT
	Conotoxin Ts-011 Q9BH75	CPP10-1418 CPP10-1419 CPP10-1420 CPP10-1421 CPP10-1422	PSVDARPKTK ANRILRTLWN NRILRTLWN RILRTLWNLR RTLWNLRGCC	CPP15-847 CPP15-848	ADNANRILRTLWNLR ANRILRTLWNLRGCC		
	Conotoxin TsMLCL-04 Q9BPD9	CPP10-1423 CPP10-1424 CPP10-1425	FIILLASP TRIQRDLIRA RIQRDLIRAA				
	Conotoxin TsMLCL-03 Q9BPE3	CPP10-1426 CPP10-1427	FIILLASP RRIQSDLIRT				
	Conotoxin TsMLKM-02 Q9BPH4	CPP10-1428	ILSALRQRDC				

	Conotoxin TsMRCL-05 Q9BPE5	CPP10-1429 CPP10-1430 CPP10-1431 CPP10-1432 CPP10-1433 CPP10-1434 CPP10-1435	PSVDARPNPK GAVNAKRYLR VNAKRYLRTL NAKRYLRTLW AKRYLRTLWN KRYLRTLWNS RYLRTLWNSR	CPP15-849 CPP15-850 CPP15-851 CPP15-852	GAVNAKRYLRTLWNS AVNAKRYLRTLWNSR AKRYLRTLWNSRDCC YLRTLWNSRDCCDPK	CPP20-437 CPP20-438	VNAKRYLRTLWNSR DCCDPK KRYLRTLWNSRDCC DPKEPC
	Conotoxin TsMRCL-04 Q9BPF5	CPP10-1436 CPP10-1437 CPP10-1438 CPP10-1439 CPP10-1440 CPP10-1441	FIILLLLIPS DNAKRTLQRH AKRTLQRHWA KRTLQRHWAK LQRHWAKSLC RHWAKSLCCP	CPP15-853 CPP15-854	DNAKRTLQRHWAKSL KRTLQRHWAKSLCCP	CPP20-439	DNAKRTLQRHWAK SLCCPED
	Conotoxin Ts5.5 (Fragment) Q9BP46	CPP10-1442	RRIQSDLIRA				
	Conotoxin Ts-03 Q9BPF6	CPP10-1443 CPP10-1444 CPP10-1445 CPP10-1446 CPP10-1447 CPP10-1448	FIILLLLIPS DNAKRTLQRH AKRTLQRHWA KRTLQRHWAK LQRHWAKSLC RHWAKSLCCP	CPP15-855 CPP15-856	DNAKRTLQRHWAKSL KRTLQRHWAKSLCCP	CPP20-440 CPP20-441 CPP20-442	MRCLPVFIILLLLIPSA ASV IILLLLIPSAASVAQPK TKD NAKRTLQRHWAKSL CCPEDA
	Conotoxin TsMLCL-02 Q9BPD7	CPP10-1449 CPP10-1450	FIILLLLASP RRIQSDLIRA				
	Conotoxin S4UJR4	CPP10-1451	FIILLLLASP				
	Conotoxin Q9BPD8	CPP10-1452 CPP10-1453	FIILLLLASP RRIQSDLIRA				
Conus abbreviatus	Conotoxin AbVIA (Fragment) Q9TVY1	CPP10-1454 CPP10-1455 CPP10-1456 CPP10-1457 CPP10-1458 CPP10-1459 CPP10-1460	RGEQKHRALR EQKHRALRST KHRALRSTDK HRALRSTDKK ALRSTDKKFK LRSTDKKFKV RSTDKKFKVA	CPP15-857 CPP15-858 CPP15-859 CPP15-860 CPP15-861 CPP15-862 CPP15-863 CPP15-864	TSSRGEQKHRALRST SRGEQKHRALRSTDK RGEQKHRALRSTDKK GEQKHRALRSTDKKF EQKHRALRSTDKKFK QKHRALRSTDKKFKV KHRALRSTDKKFKVA HRALRSTDKKFKVAL	CPP20-443 CPP20-444 CPP20-445	TSSRGEQKHRALRST DKKFK KHRALRSTDKKFKVA LLCSP HRALRSTDKKFKVAL LCSP

Conotoxin AbVII (Fragment) Q9TVR4	CPP10-1461 CPP10-1462 CPP10-1463 CPP10-1464 CPP10-1465 CPP10-1466 CPP10-1467 CPP10-1468 CPP10-1469 CPP10-1470 CPP10-1471 CPP10-1472 CPP10-1473	TSSRGKQKHR SSRGKQKHRA SRGKQKHRAL RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK ALRSTDKNRS DKNSRMTKRC KNSRMTKRCT NSRMTKRCTP SRMTKRCTPA RMTKRCTPAG	CPP15-865 CPP15-866 CPP15-867 CPP15-868 CPP15-869 CPP15-870 CPP15-871 CPP15-872 CPP15-873 CPP15-874 CPP15-875 CPP15-876 CPP15-877	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST SRGKQKHRALRSTDK RGKQKHRALRSTDKN GKQKHRALRSTDKNS KQKHRALRSTDKNSR KHRALRSTDKNSRMT ALRSTDKNRMTKRC LRSTDKNRMTKRCT RSTDKNRMTKRCTP STDKNRMTKRCTPA NSRMTKRCTPAGDAC	CPP20-446 CPP20-447 CPP20-448 CPP20-449 CPP20-450 CPP20-451 CPP20-452	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL RSTDK GKQKHRALRSTDKN SRMTKR KQKHRALRSTDKNS RMTKRC QKHRALRSTDKNSR MTKRCT KHRALRSTDKNSRM TKRCTP HRALRSTDKNSRMT KRCTPA
Conotoxin AbVID (Fragment) Q9UA91	CPP10-1474 CPP10-1475 CPP10-1476 CPP10-1477 CPP10-1478 CPP10-1479 CPP10-1480 CPP10-1481 CPP10-1482	ALRSTDKNRS DKNSRMTKRC KNSRMTKRCT NSRMTKRCTP SRMTKRCTPR RMTKRCTPRH MTKRCTPRHG TKRCTPRHGV KRCTPRHGV	CPP15-878 CPP15-879 CPP15-880 CPP15-881 CPP15-882 CPP15-883 CPP15-884 CPP15-885	ALRSTDKNRMTKRC LRSTDKNRMTKRCT RSTDKNRMTKRCTP STDKNRMTKRCTPR TDKNRMTKRCTPRH DKNSRMTKRCTPRHG SRMTKRCTPRHGVCF RMTKRCTPRHGVCFY	CPP20-453 CPP20-454 CPP20-455 CPP20-456	QEHLALRSTDKNSR MTKRCT HLALRSTDKNSRMT KRCTPR ALRSTDKNRMTKR CTPRHG KRCTPRHGVCFYSYF CCSKA
Conotoxin AbVIH (Fragment) Q9UA95	CPP10-1483 CPP10-1484 CPP10-1485 CPP10-1486 CPP10-1487 CPP10-1488 CPP10-1489 CPP10-1490 CPP10-1491 CPP10-1492 CPP10-1493 CPP10-1494	TSSRGKQKHR SSRGKQKHRA SRGKQKHRAL RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK ALRSTDKDSD KDSRMTKRCT DSRMTKRCTP SRMTKRCTPA RMTKRCTPAG	CPP15-886 CPP15-887 CPP15-888 CPP15-889 CPP15-890 CPP15-891 CPP15-892 CPP15-893 CPP15-894 CPP15-895	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST SRGKQKHRALRSTDK RGKQKHRALRSTDKD GKQKHRALRSTDKDS KQKHRALRSTDKDSR KHRALRSTDKDSRMT ALRSTDKDSDRMTKRC STDKDSDRMTKRCTPA	CPP20-457 CPP20-458 CPP20-459 CPP20-460 CPP20-461 CPP20-462 CPP20-463	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL RSTDK GKQKHRALRSTDKD SRMTKR KQKHRALRSTDKDS RMTKRC QKHRALRSTDKDSR MTKRCT KHRALRSTDKDSRM TKRCTP HRALRSTDKDSRMT KRCTPA
Conotoxin AbVIO (Fragment) Q9TVQ7	CPP10-1495 CPP10-1496 CPP10-1497 CPP10-1498 CPP10-1499	ASYARSERKH SYARSERKHP YARSERKHDP RSEKHPDLR KHPDLRLSSR	CPP15-896 CPP15-897 CPP15-898 CPP15-899 CPP15-900	LIATASYARSERKHP TASYARSERKHPDLR KHPDLRLSSRNSKLS DLRLSSRNSKLSKRC LRLSSRNSKLSKRCL	CPP20-464 CPP20-465 CPP20-466 CPP20-467 CPP20-468	RSEKHPDLRLSSRN SKLSK SERKHPDLRLSSRNS KLSKR ERKHPDLRLSSRNSK

	CPP10-1500 CPP10-1501 CPP10-1502 CPP10-1503 CPP10-1504	DLRLSSRNSK SSRNSKLSKR SRNSKLSKRC RNSKLSKRCL KLSKRCLGSR	CPP15-901 CPP15-902 CPP15-903	RLSSRNSKLSKRCLG SSRNSKLSKRCLGSR KLSKRCLGSRELCVR	CPP20-469	LSKRC RKHPDLRLSSRNSKL SKRCL KHPDLRLSSRNSKLS KRCLG KLSKRCLGSRELCVR DTSCC
Conotoxin AbVIG (Fragment) Q9TVX4	CPP10-1505 CPP10-1506 CPP10-1507 CPP10-1508 CPP10-1509 CPP10-1510 CPP10-1511 CPP10-1512 CPP10-1513 CPP10-1514 CPP10-1515 CPP10-1516	TSSRGKQKHR SSRGKQKHRA SRGKQKHRAL RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK ALRSTDKNRSR DKNSRMTKRCT KNSRMTKRCT NSRMTKRCTA SRMTKRCTAP	CPP15-904 CPP15-905 CPP15-906 CPP15-907 CPP15-908 CPP15-909 CPP15-910 CPP15-911 CPP15-912 CPP15-913 CPP15-914	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST SRGKQKHRALRSTDK RGKQKHRALRSTDKN GKQKHRALRSTDKNS KQKHRALRSTDKNSR KHRALRSTDKNSRMT ALRSTDKNRMTKRCT LRSTDKNRMTKRCT STDKNRMTKRCTAP	CPP20-470 CPP20-471 CPP20-472 CPP20-473 CPP20-474 CPP20-475 CPP20-476 CPP20-477	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL RSTDK GKQKHRALRSTDKN SRMTKR KQKHRALRSTDKNS RMTKRCT QKHRALRSTDKNSR MTKRCT KHRALRSTDKNSRM TKRCTA HRALRSTDKNSRMT KRCTAP ALRSTDKNRMTKR CTAPGG
Conotoxin AbVIN (Fragment) Q9TVQ6	CPP10-1517 CPP10-1518 CPP10-1519 CPP10-1520 CPP10-1521 CPP10-1522 CPP10-1523 CPP10-1524 CPP10-1525 CPP10-1526	ASYARSERKH SYARSERKHP YARSERKHDP RSEKHPDLR KHPDLRLSSR DLRLSSRNSK SSRNSKLSKR SRNSKLSKRC RNSKLSKRCL KLSKRCLGSR	CPP15-915 CPP15-916 CPP15-917 CPP15-918 CPP15-919 CPP15-920 CPP15-921 CPP15-922	LIATASYARSERKHP TASYARSERKHPDLR KHPDLRLSSRNSKLS DLRLSSRNSKLSKRC LRLSSRNSKLSKRCL RLSSRNSKLSKRCLG SSRNSKLSKRCLGSR KLSKRCLGSREQCVR	CPP20-478 CPP20-479 CPP20-480 CPP20-481 CPP20-482 CPP20-483	RSEKHPDLRLSSRN SKLSK SERKHPDLRLSSRNS KLSKR ERKHPDLRLSSRNSK LSKRC RKHPDLRLSSRNSKL SKRCL KHPDLRLSSRNSKLS KRCLG KLSKRCLGSREQCVR DTSCC
Conotoxin AbVIE (Fragment) Q9UA85	CPP10-1527 CPP10-1528 CPP10-1529 CPP10-1530 CPP10-1531 CPP10-1532 CPP10-1533	TSSRGKQKHR SSRGKQKHRA SRGKQKHRAL RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK	CPP15-923 CPP15-924 CPP15-925 CPP15-926 CPP15-927 CPP15-928 CPP15-929	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST SRGKQKHRALRSTDK RGKQKHRALRSTDKY GKQKHRALRSTDKYS KQKHRALRSTDKYSR	CPP20-484 CPP20-485 CPP20-486 CPP20-487 CPP20-488 CPP20-489 CPP20-490	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL RSTDK SSRGKQKHRALRSTD KYSRM SRGKQKHRALRSTD

	CPP10-1534 CPP10-1535 CPP10-1536 CPP10-1537 CPP10-1538 CPP10-1539	ALRSTDKYSR SRMTKHCTPP CCSKICWRPR CSKICWRPRC SKICWRPRCY KICWRPRCYP	CPP15-930 CPP15-931 CPP15-932	QKHRALRSTDKYSRM KHRALRSTDKYSRMT ALRSTDKYSRMTKHC	CPP20-491 CPP20-492 CPP20-493	KYSRMT RGKQKHRALRSTDK YSRMTK GKQKHRALRSTDKYS RMTKH KQKHRALRSTDKYSR MTKHC QKHRALRSTDKYSR MTKHCT KHRALRSTDKYSRM TKHCTP HRALRSTDKYSRMT KHCTPP
Conotoxin AbVIM (Fragment) Q9UA72	CPP10-1540 CPP10-1541 CPP10-1542 CPP10-1543 CPP10-1544 CPP10-1545 CPP10-1546 CPP10-1547 CPP10-1548 CPP10-1549	ASYARSERKH SYARSERKHP YARSERKHDP RSEKHPDLR KHPDLRLSSR DLRLSSRNSK SSRNSKLSKR SRNSKLSKRC RNSKLSKRCL KLSKRCLGSG	CPP15-933 CPP15-934 CPP15-935 CPP15-936 CPP15-937 CPP15-938	LIATASYARSERKHP TASYARSERKHPDLR KHPDLRLSSRNSKLS DLRLSSRNSKLSKRC LRLSSRNSKLSKRCL RLSSRNSKLSKRCLG	CPP20-494 CPP20-495 CPP20-496 CPP20-497 CPP20-498	RSERKHPDLRLSSRN SKLSK SERKHPDLRLSSRNS KLSKR ERKHPDLRLSSRNSK LSKRC RKHPDLRLSSRNSKL SKRCL KHPDLRLSSRNSKLS KRCLG
Conotoxin AbVIB (Fragment) Q9UA83	CPP10-1550 CPP10-1551 CPP10-1552 CPP10-1553 CPP10-1554 CPP10-1555 CPP10-1556 CPP10-1557 CPP10-1558 CPP10-1559	TSSRGKQKHR SSRGKQKHRA SRGKQKHRAL RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK ALRSTDKNK KNSKLTRGCT KLTRGCTPPG	CPP15-939 CPP15-940 CPP15-941 CPP15-942 CPP15-943 CPP15-944 CPP15-945 CPP15-946 CPP15-947	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST SRGKQKHRALRSTDK RGKQKHRALRSTDKN GKQKHRALRSTDKNS KQKHRALRSTDKNSK KHRALRSTDKNSKLT ALRSTDKNKSLTRGC	CPP20-499 CPP20-500 CPP20-501 CPP20-502 CPP20-503 CPP20-504 CPP20-505 CPP20-506	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL RSTDK SSRGKQKHRALRSTD KNSKL GKQKHRALRSTDKN SKLTRG KQKHRALRSTDKNS KLTRGC QKHRALRSTDKNSKL TRGCT KHRALRSTDKNSKLT RGCTP HRALRSTDKNSKLTR GCTPP
Conotoxin AbVIF (Fragment) Q9TVK3	CPP10-1560 CPP10-1561 CPP10-1562	TSSRGKQKHR SSRGKQKHRA SRGKQKHRAL	CPP15-948 CPP15-949 CPP15-950	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST	CPP20-507 CPP20-508 CPP20-509	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL

	CPP10-1563 CPP10-1564 CPP10-1565 CPP10-1566 CPP10-1567 CPP10-1568 CPP10-1569 CPP10-1570 CPP10-1571 CPP10-1572 CPP10-1573 CPP10-1574	RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK ALRSTDKNRS DKNSRMSKRC KNSRMSKRCT NSRMSKRCTP SRMSKRCTPP RMSKRCTPPG CSQVCNFPRK SQVCNFPRKH	CPP15-951 CPP15-952 CPP15-953 CPP15-954 CPP15-955 CPP15-956 CPP15-957 CPP15-958 CPP15-959	SRGKQKHRALRSTDK RGKQKHRALRSTDKN GKQKHRALRSTDKNS KQKHRALRSTDKNSR KHRALRSTDKNSRMS ALRSTDKNRMSKRC LRSTDKNRMSKRCT STDKNRMSKRCTPP TDKNRMSKRCTPPG	CPP20-510 CPP20-511 CPP20-512 CPP20-513 CPP20-514 CPP20-515 CPP20-516	RSTDK RGKQKHRALRSTDK NSRMSK GKQKHRALRSTDKN SRMSKR KQKHRALRSTDKNS RMSKRC QKHRALRSTDKNSR MSKRCT KHRALRSTDKNSRM SKRCTP HRALRSTDKNSRMS KRCTPP RALRSTDKNSRMSK RCTPPG ALRSTDKNRMSKR CTPPGG
Conotoxin AbVIK (Fragment) Q9TVU1	CPP10-1575 CPP10-1576 CPP10-1577 CPP10-1578 CPP10-1579 CPP10-1580 CPP10-1581 CPP10-1582 CPP10-1583 CPP10-1584	TSSRGKQKHR SSRGKQKHRA SRGKQKHRAL RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK ALRSTDKNRS KNSKLTRGCT KLTRGCTPPG	CPP15-960 CPP15-961 CPP15-962 CPP15-963 CPP15-964 CPP15-965 CPP15-966 CPP15-967 CPP15-968	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST SRGKQKHRALRSTDK RGKQKHRALRSTDKN GKQKHRALRSTDKNS KQKHRALRSTDKNSK KHRALRSTDKNSKLT ALRSTDKNKSLTRGC	CPP20-517 CPP20-518 CPP20-519 CPP20-520 CPP20-521 CPP20-522 CPP20-523 CPP20-524	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL RSTDK SSRGKQKHRALRST KNSKL GKQKHRALRSTDKN SKLTRG KQKHRALRSTDKNS KLTRGC QKHRALRSTDKNSKL TRGCT KHRALRSTDKNSKLT RGCTP HRALRSTDKNSKLTR GCTPP
Conotoxin AbVIK (Fragment) Q9UA71	CPP10-1585 CPP10-1586 CPP10-1587 CPP10-1588 CPP10-1589 CPP10-1590 CPP10-1591 CPP10-1592 CPP10-1593	TSSRGKQKHR SSRGKQKHRA SRGKQKHRAL RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK ALRSTDKNRS DKNSRMTKRC	CPP15-969 CPP15-970 CPP15-971 CPP15-972 CPP15-973 CPP15-974 CPP15-975 CPP15-976 CPP15-977	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST SRGKQKHRALRSTDK RGKQKHRALRSTDKN GKQKHRALRSTDKNS KQKHRALRSTDKNSR KHRALRSTDKNSRMT ALRSTDKNRMTKRC	CPP20-525 CPP20-526 CPP20-527 CPP20-528 CPP20-529 CPP20-530 CPP20-531	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL RSTDK GKQKHRALRSTDKN SRMTKR KQKHRALRSTDKNS RMTKRC QKHRALRSTDKNSR

		CPP10-1594 CPP10-1595 CPP10-1596 CPP10-1597	KNSRMTKRCT NSRMTKRCTP SRMTKRCTPA RMTKRCTPAG	CPP15-978 CPP15-979 CPP15-980	LRSTDKNSRMTKRCT RSTDKNSRMTKRCTP STDKNSRMTKRCTPA		MTKRCT KHRALRSTDKNSRM TKRCTP HRALRSTDKNSRMT KRCTPA
	Conotoxin AbVII (Fragment) Q9UA93	CPP10-1598 CPP10-1599 CPP10-1600 CPP10-1601 CPP10-1602 CPP10-1603 CPP10-1604 CPP10-1605 CPP10-1606 CPP10-1607 CPP10-1608 CPP10-1609 CPP10-1610	TSSRGKQKQHR SSRGKQKHRA SRGKQKHRAL RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK ALRSTDKNSR DKNSRMTKRC KNSRMTKRCT NSRMTKRCTP SRMTKRCTPA RMTKRCTPAG	CPP15-981 CPP15-982 CPP15-983 CPP15-984 CPP15-985 CPP15-986 CPP15-987 CPP15-988 CPP15-989 CPP15-990 CPP15-991 CPP15-992 CPP15-993	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST SRGKQKHRALRSTDK RGKQKHRALRSTDKN GKQKHRALRSTDKNS KQKHRALRSTDKNSR KHRALRSTDKNSRMT ALRSTDKNSRMTKRC LRSTDKNSRMTKRCT RSTDKNSRMTKRCTP STDKNSRMTKRCTPA NSRMTKRCTPAGDAC	CPP20-532 CPP20-533 CPP20-534 CPP20-535 CPP20-536 CPP20-537 CPP20-538	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL RSTDK GKQKHRALRSTDKN SRMTKR KQKHRALRSTDKNS RMTKRC QKHRALRSTDKNSR MTKRCT KHRALRSTDKNSRM TKRCTP HRALRSTDKNSRMT KRCTPA
	Conotoxin AbVIL (Fragment) Q9UA86	CPP10-1611 CPP10-1612 CPP10-1613 CPP10-1614 CPP10-1615 CPP10-1616 CPP10-1617 CPP10-1618 CPP10-1619 CPP10-1620 CPP10-1621 CPP10-1622	RGEQKHRAPR GEQKHRAPRS EQKHRAPRST KHRAPRSTDK HRAPRSTDKN APRSTDKNSR DKNSRMTKRC KNSRMTKRCT NSRMTKRCTP SRMTKRCTPG RMTKRCTPGG NLATNKCRSP	CPP15-994 CPP15-995 CPP15-996 CPP15-997 CPP15-998 CPP15-999 CPP15-1000 CPP15-1001 CPP15-1002 CPP15-1003 CPP15-1004	TSSRGEQKHRAPRST SRGEQKHRAPRSTDK RGEQKHRAPRSTDKN GEQKHRAPRSTDKNS EQKHRAPRSTDKNSR QKHRAPRSTDKNSRM KHRAPRSTDKNSRMT APRSTDKNSRMTKRC PRSTDKNSRMTKRCT RSTDKNSRMTKRCTP STDKNSRMTKRCTPG	CPP20-539 CPP20-540 CPP20-541 CPP20-542 CPP20-543	QLTTAETSSRGEQKH RAPRS EQKHRAPRSTDKNS RMTKRC QKHRAPRSTDKNSR MTKRCT KHRAPRSTDKNSRM TKRCTP HRAPRSTDKNSRMT KRCTPG
	Four-loop conotoxin ABVIA (Fragment) Q9UA79	CPP10-1623 CPP10-1624 CPP10-1625 CPP10-1626 CPP10-1627 CPP10-1628 CPP10-1629	RGEQKHRALR EQKHRALRST KHRALRSTDK HRALRSTDKK ALRSTDKKFK LRSTDKKFKV RSTDKKFKVA	CPP15-1005 CPP15-1006 CPP15-1007 CPP15-1008 CPP15-1009 CPP15-1010 CPP15-1011 CPP15-1012	TSSRGEQKHRALRST SRGEQKHRALRSTDK RGEQKHRALRSTDKK GEQKHRALRSTDKKF EQKHRALRSTDKKFK QKHRALRSTDKKFKV KHRALRSTDKKFKVA HRALRSTDKKFKVAL	CPP20-544 CPP20-545 CPP20-546	TSSRGEQKHRALRST DKKFK KHRALRSTDKKFKVA LLCSP HRALRSTDKKFKVAL LCSP
Conus pennaceus	Gamma-conotoxin PnVIIA P56711	CPP10-1630 CPP10-1631 CPP10-1632	KLTIILLVAA AKINFLSKRK KINFLSKRKP	CPP15-1013 CPP15-1014 CPP15-1015	EQRQQAKINFLSKRK QRRQQAKINFLSKRKP QQAKINFLSKRKPSA	CPP20-547 CPP20-548 CPP20-549	AQNQEQRQQAKINF LSKRKP NQEQRQQAKINFLS

		CPP10-1633 CPP10-1634 CPP10-1635 CPP10-1636 CPP10-1637 CPP10-1638 CPP10-1639 CPP10-1640 CPP10-1641 CPP10-1642	NFLSKRKPSA FLSKRKPSAE KRKPSAERWR RKPSAERWRR KPSAERWRRD PSAERWRRDC SAERWRRDCT ERWRRDCTSW RWRRDCTSWF RRDCTSWFGR	CPP15-1016 CPP15-1017 CPP15-1018 CPP15-1019 CPP15-1020 CPP15-1021 CPP15-1022	KINFLSKRKPSAERW INFLSKRKPSAERWR NFLSKRKPSAERWRR FLSKRKPSAERWRRD SKRKPSAERWRRDCT RKPSAERWRRDCTSW KPSAERWRRDCTSWF	CPP20-550 CPP20-551 CPP20-552 CPP20-553 CPP20-554 CPP20-555	KRKPSA RQQAKINFLSKRKPS AERWR QQAKINFLSKRKPSA ERWRR QAKINFLSKRKPSAE RWRRD AKINFLSKRKPSAER WRRDC KINFLSKRKPSAERW RRDCT FLSKRKPSAERWRR DCTSWF RKPSAERWRRDCTS WFGRCT
	Mu-conotoxin PnIVB P58927	CPP10-1643	LIICLLCPL				
	Omega-conotoxin PnVIB P56713	CPP10-1644	GMIKIGPPCC				
	Mu-conotoxin pn4c (Fragment) Q9BP55	CPP10-1645	KRCCKYGWTC				
	Alpha-conotoxin- like PnMGMR-02 Q9BP56	CPP10-1646	KGCCSRPPCA				
	Mu-conotoxin-like PnMKLT1-014 Q9U657	CPP10-1647 CPP10-1648 CPP10-1649 CPP10-1650 CPP10-1651 CPP10-1652 CPP10-1653 CPP10-1654 CPP10-1655	GLANLFSKSR PEPSKLEKRK EPSKLEKRKT SKLEKRKTCQ KLEKRKTCQR LEKRKTCQRR EKRKTCQRRW KRKTCQRRWD RKTCQRRWDF	CPP15-1023 CPP15-1024 CPP15-1025	EPSKLEKRKTCQRRW PSKLEKRKTCQRRWD SKLEKRKTCQRRWDF	CPP20-556	FSKSRYEMEDPEPSK LEKRK
	Conotoxin PnMSG1-03 Q9BP63	CPP10-1656 CPP10-1657 CPP10-1658 CPP10-1659 CPP10-1660	QRDAINFRWR RDAINFRWRR DAINFRWRRS AINFRWRRSL INFRWRRSLI	CPP15-1026 CPP15-1027 CPP15-1028 CPP15-1029 CPP15-1030	KQATQRDAINFRWR TQRDAINFRWRRSLI QRDAINFRWRRSLIR RDAINFRWRRSLIRR DAINFRWRRSLIRRT	CPP20-557 CPP20-558 CPP20-559 CPP20-560 CPP20-561	KQATQRDAINFRWR RSLIRR QATQRDAINFRWRR SLIRRT ATQRDAINFRWRRS

	CPP10-1661 CPP10-1662 CPP10-1663 CPP10-1664 CPP10-1665	NFRWRRSLIR FRWRRSLIRR RWRRSLIRRT WRRSLIRRTA RRSLIRRTAT	CPP15-1031 CPP15-1032 CPP15-1033 CPP15-1034 CPP15-1035	AINFRWRRSLIRRTA INFRWRRSLIRRTAT NFRWRRSLIRRTATE FRWRRSLIRRTATEE RWRRSLIRRTATEEC		LIRRTA TQRDAINFRWRRSLI RRTAT RDAINFRWRRSLIRR TATEE
Conotoxin PnMSGL-01 Q9BP64	CPP10-1666 CPP10-1667 CPP10-1668 CPP10-1669 CPP10-1670 CPP10-1671 CPP10-1672 CPP10-1673 CPP10-1674 CPP10-1675 CPP10-1676	QRDAINVRRR RDAINVRRRR DAINVRRRRS AINVRRRRSI INVRRRRSIT NVRRRRSITR VRRRRSITRR RRRRSITRRV RRRSITRRVS RRSITRRVSE RSITRRVSEA	CPP15-1036 CPP15-1037 CPP15-1038 CPP15-1039 CPP15-1040 CPP15-1041 CPP15-1042 CPP15-1043 CPP15-1044 CPP15-1045 CPP15-1046	KQAMQRDAINVRRR QAMQRDAINVRRRS AMQRDAINVRRRSI MQRDAINVRRRSIT QRDAINVRRRSITR RDAINVRRRSITRR DAINVRRRSITRRV AINVRRRSITRRVS INVRRRSITRRVSE NVRRRSITRRVSEA VRRRSITRRVSEAC	CPP20-562 CPP20-563 CPP20-564 CPP20-565 CPP20-566 CPP20-567	EKQAMQRDAINVRR RRSITR KQAMQRDAINVRR RRSITRR QAMQRDAINVRRR RSITRRV MQRDAINVRRRSI TRRVSE QRDAINVRRRSITR RVSEA RDAINVRRRSITRR VSEAC
Conotoxin PnMKLT1-0121 Q9U660	CPP10-1677 CPP10-1678	FATADDPRNR KNPEASKLNK				
Conotoxin PnMKLT1-1111 Q9U662	CPP10-1679 CPP10-1680 CPP10-1681	KRLANLYLKA RLANLYLKAR SWVACESPKR	CPP15-1047 CPP15-1048	VPHSNKRLANLYLKA PHSNKRLANLYLKAR	CPP20-568	HSNKRLANLYLKARH EMKNP
Conotoxin PnMEKL-04 Q9BPA6	CPP10-1682 CPP10-1683 CPP10-1684 CPP10-1685 CPP10-1686 CPP10-1687 CPP10-1688	KLTIILLVAA KENIKFLLKR ENIKFLLKRK NIKFLLKRKT IKFLLKRKTA KFLLKRKTAA KRKTAADRGM	CPP15-1049 CPP15-1050 CPP15-1051 CPP15-1052 CPP15-1053	ENRLKENIKFLLKRK NRLKENIKFLLKRKT RLKENIKFLLKRKTA LKENIKFLLKRKTAA ENIKFLLKRKTAADR	CPP20-569 CPP20-570 CPP20-571	QGGGENRLKENIKFL LKRKT GGGENRLKENIKFLL KRKTA GGENRLKENIKFLLK RKTA
Conotoxin Pn-014 Q9BH86	CPP10-1689 CPP10-1690	PSVDARPKTK KRILQTFESR				
Conotoxin PnMRCL-0111 Q9BPF8	CPP10-1691	RTVRTLLDIR				
Chi-conotoxin-like PnMRCL-013 Q9BPE9	CPP10-1692	KSTLQRLQDK				

Conotoxin PnMLKM-013 Q9BPH5	CPP10-1693	KREMILPALR				
Conotoxin PnMRCL-0111 Q9BPF4	CPP10-1694	RTVRTLLDIR				
Conotoxin Pn-B02 Q9BPG8	CPP10-1695 CPP10-1696 CPP10-1697 CPP10-1698 CPP10-1699 CPP10-1700 CPP10-1701 CPP10-1702	FHDNLKRTRR HDNLKTRRRI DNLKTRRRIH NLKTRRRIHL LKTRRRIHLN KRTRRIHLNI RTRRIHLNIR RRIHLNIREC	CPP15-1054 CPP15-1055 CPP15-1056 CPP15-1057 CPP15-1058 CPP15-1059 CPP15-1060	SSFHDNLKTRRRIHL SFHDNLKTRRRIHLN FHDNLKTRRRIHLNI HDNLKTRRRIHLNIR DNLKTRRRIHLNIRE NLKTRRRIHLNIREC LKTRRRIHLNIRECC	CPP20-573 CPP20-574 CPP20-575	FIILLLLIASAPSFDALP KT KTEDNVPLSSFHDNL KRTRR KRTRRIHLNIRECCSD GWCC
Conotoxin Pn- B01121 Q9BPF3	CPP10-1703 CPP10-1704	KRTLQILSNK RTLQILSNKR				
Conotoxin PnMLCL-01 Q9BPE2	CPP10-1705 CPP10-1706	FIILLLLASP KRIQSDLIRA				
Conotoxin Pn- B01411 Q9BPE7	CPP10-1707 CPP10-1708 CPP10-1709 CPP10-1710 CPP10-1711 CPP10-1712 CPP10-1713 CPP10-1714 CPP10-1715 CPP10-1716 CPP10-1717 CPP10-1718	SSFRDNLKRT FRDNLKRTLRL RDNLKRTLRT DNLKRTLRTL NLKRTLRTLL LKRTLRTLLD KRTLRTLLDP RTLRTLLDPR TLRTLLDPRR LRTLLDPRRC RTLLDPRRCC RRCCYETPGC	CPP15-1061 CPP15-1062 CPP15-1063 CPP15-1064 CPP15-1065 CPP15-1066 CPP15-1067 CPP15-1068 CPP15-1069	LSSFRDNLKRTLRTL SSFRDNLKRTLRTLL SFRDNLKRTLRTLLD FRDNLKRTLRTLLDP RDNLKRTLRTLLDPR DNLKRTLRTLLDPRR NLKRTLRTLLDPRRC LKRTLRTLLDPRRCC TLLDPRRCCYETPGC	CPP20-576 CPP20-577 CPP20-578 CPP20-579 CPP20-580 CPP20-581 CPP20-582	FIILLLLMASAPSFDA RPKT PLSSFRDNLKRTLRTL LDPR LSSFRDNLKRTLRTLL DPRR SSFRDNLKRTLRTLLD PRRC SFRDNLKRTLRTLLD PRRCC LKRTLRTLLDPRRCCY ETPG KRTLRTLLDPRRCCY ETPGC
Conotoxin PnMRCL-022 Q9BPH2	CPP10-1719 CPP10-1720 CPP10-1721 CPP10-1722 CPP10-1723 CPP10-1724 CPP10-1725	PSVNARPKTK SVNARPKTKD NARPKTKDLA KRTQHIFWSK RTQHIFWSKR QHIFWSKRNC HIFWSKRNCC	CPP15-1070 CPP15-1071	FHDNAKRTQHIFWSK KRTQHIFWSKRNCCI	CPP20-583	KRTQHIFWSKRNCCI YENWC

	Conotoxin Pn-B0151 Q9BPG0	CPP10-1726 CPP10-1727	KRILQTLNKR RILQTLNKR	CPP15-1072	KRILQTLNKRSCCP	CPP20-584	KRILQTLNKRSCCPT ILSC
	Conotoxin Pn-B01122 Q9BPF1	CPP10-1728 CPP10-1729 CPP10-1730	PSVDARPKTK KRALQILSNK RALQILSNKR				
	Conotoxin Q9BPF0	CPP10-1731 CPP10-1732 CPP10-1733 CPP10-1734 CPP10-1735 CPP10-1736 CPP10-1737	PSIDARPKTK SIDARPKTKD LSSFHARPKT SSFHARPKTK SFHARPKTKD HARPKTKDDV QQRAMEPWTR	CPP15-1073	KDDVPLSSFHARPKT	CPP20-585	ARPKTKDDVPLSSFH ARPKT
	Conotoxin Q9BH99	CPP10-1738	KLWNHARDWC				
Conus coronatus	A superfamily conotoxin Co1.3 S4UJN8	CPP10-1739 CPP10-1740 CPP10-1741	GRNAAAKVFK RNAAAKVFKR KRIALIATRE	CPP15-1074 CPP15-1075 CPP15-1076	RASHGRNAAAKVFKR ASHGRNAAAKVFKRI RNAAAKVFKRIALIA		
	A superfamily conotoxin Co1.6 S4UJD3	CPP10-1742 CPP10-1743	ASCWQRYPER SCWQRYPERC				
	Four-loop conotoxin (Fragment) A9P3W5	CPP10-1744 CPP10-1745 CPP10-1746 CPP10-1747 CPP10-1748 CPP10-1749 CPP10-1750 CPP10-1751 CPP10-1752 CPP10-1753 CPP10-1754 CPP10-1755 CPP10-1756 CPP10-1757	TSSRGKQKHR SSRGKQKHRA SRGKQKHRAL RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK ALRSTDKNRSR DKNSRMTKRC KNSRMTKRCT NSRMTKRCTP SRMTKRCTPA RMTKRCTPAG KRCTPAGKAC	CPP15-1077 CPP15-1078 CPP15-1079 CPP15-1080 CPP15-1081 CPP15-1082 CPP15-1083 CPP15-1084 CPP15-1085 CPP15-1086 CPP15-1087 CPP15-1088 CPP15-1089	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST SRGKQKHRALRSTDK RGKQKHRALRSTDKN GKQKHRALRSTDKNS KQKHRALRSTDKNRSR KHRALRSTDKNRMT ALRSTDKNRMTKRC LRSTDKNRMTKRCT RSTDKNRMTKRCTP STDKNRMTKRCTPA NSRMTKRCTPAGKAC	CPP20-586 CPP20-587 CPP20-588 CPP20-589 CPP20-590 CPP20-591 CPP20-592 CPP20-593 CPP20-594	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL RSTDK GKQKHRALRSTDKN SRMTKR KQKHRALRSTDKNS RMTKRC QKHRALRSTDKNRSR MTKRCT KHRALRSTDKNRMT TKRCTP HRALRSTDKNRMT KRCTPA ALRSTDKNRMTKR CTPAGK RSTDKNRMTKRCT PAGKAC

	Four-loop conotoxin (Fragment) A9P3W2	CPP10-1758 CPP10-1759 CPP10-1760 CPP10-1761 CPP10-1762 CPP10-1763 CPP10-1764 CPP10-1765 CPP10-1766 CPP10-1767 CPP10-1768 CPP10-1769 CPP10-1770 CPP10-1771	TSSRGKQKHR SSRGKQKHRA SRGKQKHRAL RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK ALRSTDKNSR DKNSRMTKRC KNSRMTKRCT SRMTKRCTSP RMTKRCTSPG SKACNLTTKR KACNLTTKRC	CPP15-1090 CPP15-1100 CPP15-1101 CPP15-1102 CPP15-1103 CPP15-1104 CPP15-1105 CPP15-1106 CPP15-1107 CPP15-1108 CPP15-1109	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST SRGKQKHRALRSTDK RGKQKHRALRSTDKN GKQKHRALRSTDKNS KQKHRALRSTDKNSR KHRALRSTDKNSRMT ALRSTDKNSRMTKRC LRSTDKNSRMTKRCT STDKNSRMTKRCTSP	CPP20-595 CPP20-596 CPP20-597 CPP20-598 CPP20-599 CPP20-600 CPP20-601	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL RSTDK GKQKHRALRSTDKN SRMTKR KQKHRALRSTDKNS RMTKRC QKHRALRSTDKNSR MTKRCT KHRALRSTDKNSRM TKRCTS HRALRSTDKNSRMT KRCTSP
	Four-loop conotoxin (Fragment) A9P3W9	CPP10-1772 CPP10-1773 CPP10-1774 CPP10-1775 CPP10-1776 CPP10-1777 CPP10-1778 CPP10-1779	TSSRGKQKHR SSRGKQKHRA SRGKQKHRAL RGKQKHRALR GKQKHRALRS KQKHRALRST KHRALRSTDK ALRSTDKNSK	CPP15-1110 CPP15-1111 CPP15-1112 CPP15-1113 CPP15-1114 CPP15-1115 CPP15-1116 CPP15-1117	QLTTAETSSRGKQKH AETSSRGKQKHRALR TSSRGKQKHRALRST SRGKQKHRALRSTDK RGKQKHRALRSTDKN GKQKHRALRSTDKNS KQKHRALRSTDKNSK KHRALRSTDKNSKMT	CPP20-602 CPP20-603 CPP20-604 CPP20-605 CPP20-606 CPP20-607	QLTTAETSSRGKQKH RALRS TAETSSRGKQKHRAL RSTDK SSRGKQKHRALRSTD KNSKM GKQKHRALRSTDKN SKMTRC KQKHRALRSTDKNS KMTRCT KHRALRSTDKNSKM TRCTDP
Conus frigidus	Contryphan-Fr1 A0A1P8NVT3	CPP10-1780 CPP10-1781	FMNVLRMSGC MNVLRMSGCP				