

Table S1. Putative chelicerate MT sequences identified in this study.

Clade	Species	MT name	Accession number*	Sequence
Pycnogonida class				
Pantopoda order				
	Anoplodactylus insignis	1. AinsMT1	SRA	MPEIECKCKEGECICGEECKCEGGCDGTTGKCKCKSTLDACDCGVGCSKDKACECADECGCKK
	Nymphon gracile	2. NgraMT1	GCID01034565	MPDTECKCKDGECGCGEECKCTNCECTKCGPKKSTCKCSELEACDCGVGCSKEVKCECKDDCKCKQ
	Nymphon molleri	3. NmolMT1	SRA	MPETECKCKDGECVCGENPCENCECKACSKKCKCKELEACDCGVGCSKEAKCECKEDCKCKQ
	Phoxichilidium cf.femoratum	4. PfemMT1	SRA	MPETECKCKEGECGCVQECKCENCGCATCGKKCKCKSTLDACDCGAGCAKDKPCECAEECGCKK
	Pycnogonum litorale	5. PlitMT1	SRA	MPGPECKCTEGQCACGEKCECTACGCAKCAKKCSCSELDQCACGAGCKKEKACACEECDCKK
	Stylopallene cheilorhynchus	6. ScheMT1	SRA	MPETECKCKDGECGCGESCQCENCECDSCPAKICKCTTLDDCGCGEGCSKAEACKCGDDCCKK
	Tanystylum orbiculare	7. TorbMT1	SRA	MPETECKCKDGECGCAEAECTENCECKSCNAKKCKCSESETCTCGVGNCNDTACKCEDACGCKGE
Merostomata class				
Xiphosura order				
	Carcinoscorpius rotundicauda	8. CrotMT1a	SRA	MSDLICKCGDPLCTCTKECTCGKEGGCKCTTCNKKDEXDXSCKCKDPXCTCSVKCTCGQKDGCKCTSCT
		9. CrotMT1b	SRA	RKDDTEGSPCKCTEGEPCSTCTCSKKE
		10. CrotMT2	SRA	MTDAVCKCGDQMCTCIKECTCGKEDGCKCTTCNKKLETSCQCKDPTCTXIEKCTCGKEDGCKCTTCSK
	Limulus polyphemus			KEIAGQCKCTEGEACSTCTCRKTE
		11. LpolMT1a	XR_002609474+SRA	MSDSVDSGTPCCASAAGPRKECCVDKKCKCKEGKQRECCDEKKRDCKEGATCCKSVEADCCSDKEKC
		12. LpolMT1b	XR_002609207	KCDPESPCSK
		13. LpolMT1c	XR_001292027	MSDSACKCGDSLCTCVKECTCGKLDGCKCATCKKKEETESCKCKDPTCTCDKECTCGKEDGCKCTTCN
	Tachypleus gigas			KKDETEKSXCKCIEGEPSCSTCTCSKKQ
		14. LpolMT2	SRA	MSDSACKCGDPTCTCGENCTCGKEDGCKCTTCNKKDETEKSRCCKTEGEPSCSTCTCSKKE
		15. TgigMT1a	SRA	MPDPACKCGDELCTCGEECTCGKEDGCKCTTCNKKGEAETEASPCCKSKGESCTCASCTCSKKE
				MSDSVDSGTPCCALAAGPKKDCCVDKKCKCKEGKQGECCDEKKKDCKEGATCCKSVEPDCCSDKEKC
				KCNPENPCSK
				MSETVCKCGDPLCTCTHECTCSKEGGCKCTTCNKKDETATSCCKDPTCTCSDKCTCGQKDGCKCTSCM
				RKDDTEGSPCKCTEGEPCSTCTCNKKE

Tachyplesus tridentatus	16.	TgigMT1b	SRA	MTDVVCKCGDPMCTCIKECTCXKEDGCKCTTCNKKDETERSCKCKDPTCTCIEKCTCGKEDGCKCTTCNK KXETEDRCKCTEGETCSCTSCTCSKTD
	17.	TgigMT1c	SRA	MSDPACTCGDEMCTCGEECTCGKEDGCKCTTCNKKCEKEGEASPCCKSEGEPCSCESCSCSKKE
	18.	TgigMT2	SRA	MSDSVDSGTPCCASAAGPKKECWVDKKCKCKEGKQRECCDEKKRDCKCKEGATCCKSV EADCCSDKEKC KCDPESCPCSK
	19.	TtriMT1a	GGKL01028814	MSDLPCCKGDSLCTCTQECTCGKEGGCKCTTCNKKDET DWSCKCKDPTCTCSDKCTCGQKDGCKCTSC MKKDDTEGSPCKCTEGEPCSTCTCSKK
	20.	TtriMT1b	GGKL01032357+SRA	MSDPACMCGDEMCTCGEECTCGKEDGCKCTTCNKKGEKEGEASPCCKSEGEPCSCESCSTCSKKE
	21.	TtriMT2	GGKL01033619	MSDSVDSGTPCCATAAGPRKECWVDKKCKCKEGKQRECCDEKKRDCKCKEGATCCKSV EADCCSDKEKC KCDPESCPCSK

Arachnida class

Amblypygi order

Acanthophrynus coronatus	22.	AcorMT1	SRA	MPDPACKCGDSKCNQCQSCECTSGKCPCSKCKTATSCNCTGGGNCSCSSCACKK
Charinus ioanniticus	23.	CioaMT1	SRA	MPDPACKCGDEKCNCKGSCECASGACPCSKCKKACNCTGGESCTCSSCACKK
Charinus israelensis	24.	CisrMT1	SRA	MPDPACKCGDEKCNCKGSCECASGACPCSKCKKACNCTGGESCTCSSCTCKK
Damon diadema	25.	DdiaMT1	GERU01028960	MPDPACKCGDSKCTCQGSCECASGGCPCSKCKKSSACKCTGGGDCTCSACACKK
Euphrynichus bacillifer	26.	EbacMT1	GDAJ01000060	MPDPACKCGDSKCTCQGSCECSSGGCPCSKCKKTSACKCTGGGDCTCSSCACKK
Phrynus marginemaculatus	27.	PmarMT1	SRA	MPDPACKCGDSKCNQCQSCECSSGKCPCSKCKTASSCKCTGGGDCTCSSCACKK

Araneae order

Araneomorphae suborder

Agelenopsis naevia	28.	AnaeMT2	IBOW01043046	MADVEKKSSCTEPRECCKDASCCDEGKGECHTGKEECKDTCHEKSCGCKEDCKCSENKCKC
	29.	AnaeMT3L	IBOW01008935	MERTCGPNCKCTKCRCCDAAKSGKKADCGCEDCKCCSSSSCGSGKSCGSGCTCGDCKCCSSSACKTAS SCCGTSCKCDVCTCCSAKTGGNCHCGDCKCCSTATC
	30.	AnaeMT3S	IBPA01019018	MPGPCGSNCNDCKRCCSAASKGANCKCDNCRCCQ RGGQKCECGDCKCCGAAC
Agelenopsis potteri	31.	ApotMT2	IBWF01015665	MADVEKKSSCTEPRECCKDASCCDEGKGECHTGKEECKDTCHEKSCGCKEDCKCSENKCKC
	32.	ApotMT3L	IBWF01014765	MERTCGPNCKCTKCRCCDAAKSGKKADCGCEDCKCCSSSSCGSGKSCGNGCTCGDCKCCSSSACKTA SSCGTSCKCDVCTCCSAKTGGNCHCGDCKCCSTATC

	33.	ApotMT3S	IBWF01018135	MPGGPCGSNCTCEKCRCCSAASKCTASCKCDTRCCQNRNQKCECGDCKCCSASKC
Alenatea fuscocolorata	34.	AfusMT3S	IBZC01022604	MPCGTGCPNCSCEKCRCCGAAAAPKCSANCQCGDCKCCGRTSANCRCGDCKCCGAAKC
Amyciaea forticeps	35.	AforMT3L	IAUW01044254	MDKCGPNCKCTKCRCCDAAKSATSSCCHAKKTRCECDDCQCKSAGCGKSCQCNCCKSSGSKQKEGC GSNCQCDVCTCCSAAKDSGACHCGDCKCCSAASC
Anepsion depressum	36.	AdepMT3S	ICFY01031203	MPCGTGCPSCTCDKCRCCGASSGSKCGPNCKCADCKCCGKSSANCRCGDCKCCGAAKC
Apricia jovialis	37.	AjovMT3L	IATN01033941	MEKKCGPNCRCAKCRCCDAAKQTAPPCCTASAAKKAACSCDDCTCCQASSCGESQKTCGKGCQCGDC KCCSSSACQTGKSRGSSCRCDVCTCCSAAKGSGDCHCGDCRCCSAASC
Arachnura logio	38.	AlogMT2	IBSH01016593	MADVEKKPCCAEPQECCDESCCQEGKGPCHTDKDGCADSCQKKLCGCKSGEDCKCTDGKCAC
	39.	AlogMT3Sa	IBSH01031123	MPCGTGSSSCTCDKCRCCGASSDSKCSANCQCVDCCKCCGRSSATCRCGDCKCCSASKC
	40.	AlogMT3Sb	IBSH01034144	MPGGPCGSNCTCEKCRCCSAASKCTASCKCDTRCCQNRNQKCECGDCKCCSASKC
Arachnura melanura	41.	AmelMT2	IAPN01004235	MADVEKKPCCDEPKECCDESCCQEGKGPCHDEKDGCADSCQKKPCGCKAGEDCKCSEGKCAC
	42.	AmelMT3S	IAPN01022659	MPCGTGGSNCTCDKCRCCGAASDSKCSANCKVDCKCCGRSSANCRCGDCKCCSAAKC
Araneus diadematus	43.	AdiaMT2	GERP01021930	MADVEKKSCCAEPKECCDESCCQEGKGPCHNEKEVCADSCQKKPCGCKAGEDCKCKDGKCAC
Araniella yaginumai	44.	AyagMT3S	IAYO01029315	MPCGTGCPSCTCEKCRCCGASAAPKCSANCQCGDCKCCGRTSANCRCGDCKCCGAAKC
Arctosa ipsa	45.	AipsMT2	IBYV01021947	MADVEKTSCTEPKECCDESCCENGQGACHTGKEECKDSCHKKACGCKAGEECKCTDGKCGC
	46.	AipsMT3L	IBTU01015883	MDKCGANCKCTKCRCCDAAKESAPACCQAAGKKATCGCDDCTCCSSSGCCEKTASGKGCQCNCCKCS PAARQKSTCGSSCKDVCSCCSAAKSGDCHCGNCKCCSTACC
	47.	AipsMT3S	IBYV01029187	MPGGPCGANCTCEKCRCCSAASKCSSGCRCDTRCCQRGQKQCQCGDCKCCGAAKC
Argiope argentata	48.	AargMT2	GIWY01029574	MADVEKKTCCAEPKECCDESCCQDGKGTCHTEKEGCADSCQKKPCGCKAGEDCKCKDGKCAC
	49.	AargMT3S	GIWY01109359	MPGGPCGANCNCEKCRCCSAASKCTANCKCDTRCCQNRNQQCNCGDCKCCSSAKC
Argiope bruennichi	50.	AbruMT2	KAF8785867	MADVEKKACCAEPKECCDESCCQEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCKDGKCAC
Argyrodes nephilae	51.	AnepMT3S	IBFL01003327	MPCGTGCPNCTCDKCRCCGAAASSKCSANCNCGDCKCCGRTSANCRCGACKCCGAAKC
Argyroneta aquatica	52.	AaquMT2	GIWR01226499	MADVEKTTSCCTDPKECCDDACCEQGQGPCHTGKEECKDTCHKKACGCKAGEDCKCSGGKCGC
	53.	AaquMT3S	GIWR01171385	MPGGPCGSNCTCERCRCSSAATKCNSSGCRCTCRCCQNRNQKCECGDCKCCGAAKC

Asemonea tanikawai	54.	AtanMT2	IBAW01019844	MADVEKTTCTTESKECKDESCCENGQGACHTGKEECKDSCHKKPCGCKTGEECKCSDGKCGC
	55.	AtanMT3L	IBAW01038778	MEKTCGPNCTCTKCRCCDSAKQAAPPCCTAAAASKKADCGCDNCTCCQSSSCGSQKSCGKGCQCGDC
	56.	AtanMT3S	IBAW01043010	KCCSASPCQTNKSSCGSNCKCDVCTCCSAAKGGGVCHCGNCKCCPSSGC
				MPCGTGCPNCTCEKCRCCSAAAKCSANCKDDCKCCGRGQNCRCGDCKCCGAAKC
Australomisidia sp.	57.	AspMT3L	IBEZ01030571	MDKCGPNCKCRCCDAAKSATPGCCQAKKTRCGCDDCLCKSSSGCAQKSDCGKGCQCNCCKCCSGPS
				QKDRCGSNQCQDVCTCCSATKDSVTCHCGNCKCCSAATC
Badumna longinqua	58.	BlonMT3S	GIWL01016652	MPGGPCGTNCTCDKCRCCSAATKCSSGCKCDTRCCQRGQKCECGDCKCCGAAKC
Barronopsis texana	59.	BtexMT3L	ICNG01037212	MERTCGPNCKCTKCRCCDAAKSGKKADCGCEDCKCCSSSSCGSGKSCGSGCTCGDCKCCSSSACKTAS
				SCCGTSCKCDVCTCCSAAKTGGDCHCGDCKCCSTAAC
Bassaniana decorata	60.	BdecMT3L	IAQQ01008592	MDKCGPNCKCTRCRCCDAAKSVTPTCCCQDSAKKANVCDDCQCKSSSETQKSDCGKGCQCCKC
				CSGGTQKDSGSGSNCKCDVCTCCSAAKDSGACHCGDCRCCSAASC
Bathyphantes gracilis	61.	BgraMT3S	IAMX01033138	MPCGTGCPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
Boliscus tuberculatus	62.	BtubMT3L	IBHZ01007440	MDKCGPNCKCTKCRCCDAAKSATPTCCQDAAKTNCEDDCQCKSSDCGAQKSGCGKGCQCCKC
				CSGATQKDRCGSNQCQDVCTCCSAAKDSGACHCGDCRCCSAASC
Caerostris darwini	63.	CdarMT2	GGTX01063157	MADVEKPCCAEPKECKDESCCDEGKGPCHTDGKEDCADSCHKKPCGCKAGEDCKCKDGKCAC
	64.	CdarMT3S	GIY23593	MPCGTGCPSCSDCKRCCGAAASASAKCSANCKCDDCRCCGRSGANCRCGDCKCCSAAKC
Caerostris extrusa	65.	CextMT3S	GIY05480	MPCGTGCPSCSDCKRCCGAAASASAKCSANCKCDDCRCCGRSGANCRCGDCKCCSAAKC
Camaricus formosus	66.	CforMT2	IBYP01014520	MADVENKSCCAEPKECKDESCCEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCQDGKCAC
	67.	CforMT3L	IBYP01009086	MDKCGPNCKCTKCRCCDAAKSATPACCQTAAKTNCGCDDCQCKSSSGCGTQKSDCGEGCQCNCCK
				CSGATQKDSGSGSNCKCDVCTCCSAAKDSGACHCGDCRCCSAASC
	68.	CforMT3S	IBYP01019334	MPCGTGCPNCTCDKCRCCGAAASSKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
Cheiracanthium japonicum	69.	CjapMT3L	IBPR01039541	MDNKCGPNCKCTKCRCCDSTGGAAPCCTGGAAGKKADCGCDDCRCCSSAPCSATQKSCGKGCQCGD
				CKCCSSSPCQTAKSSCGSSCKCDVCTCCSAAKGGGDCHCGDCKCCSTAAC
Cheiracanthium lascivum	70.	ClasMT2	IBQA01031776	MADVEKKSCCAEPKECKDESCCEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCTDGKCAC
	71.	ClasMT3L	IAVB01025709	MDKKCGPNCKCTKCRCCDSAKPCCTGAVGKADCGCEDCKCCSNSSCKSQKSCGQGCQCGDCKCCSS
				SPCQAAKSSCGSSCKCDVCTCCSAAKDGGACHCGDCKCCTAAVC
	72.	ClasMT3S	IBOH01015086	MPGGPCGSNCTCEKCRCCSAATKCSSGCKCDNCRCCQRGQGQCQCGDCKCCGAAKC
Clubiona basarukini	73.	CbasMT2	IBFW01007189	MADVEKTSCTEPKECKDESCCENGQGACHTGKEECKDTCHKKACGCKGGEDCKCSEGKCGC
	74.	CbasMT3L	IBNI01016319	MDKRCGPNNCKCTKCRCCDGGKGAADCGCEECCSSSGCGSQKSCGKGCQCGDCKCCSSSACQT
				SACCGSNCKCDVCTCCSAAKDGGDCHCGDCKCCSQAAC

Coriarachne fulvipes	75.	CbasMT3S	IBFW01014451	MPGGPCGTNCTCDKCRCCSAAAKCSSGCKCDTRCCQRSQKCQCGDCKCCGASKC
	76.	CfulMT2	IBOC01038815	MADVEKTSCTEPKECKDESCCENGQGECHTGKEGCKDTCHKKACGCKADEECKCTEGKCAC
	77.	CfulMT3L	IBOC01030735	MDKCGPNCKCTKCRCCDAAKSVTPACCCQDSAKKANACDDCQCKSSSCATQKSDCGKGCQCNCK CCSGGTQKDCGSNCKCDVCTCCSAAKDSGACHCGDCRCCSAASC
Cyclosa alba	78.	CfulMT3S	IBOC01006221	MPGGPCGSNCTCEKCRCTAASKCTSSCKCDTRCCQRSQKCNCGDCKCCGAAKC
	79.	CalbMT2	IAZE01025958	MADVEKKTCCAEPKECKDESCCQEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCKDGKAC
	80.	CalbMT3Sa	IAZE01015529	MPCGTGCPSTCDKCRCCGASSGPKCSANCNCGDCKCCGRTQANCRCGDCKCCGAAKC
Cyrtarachne akirai	81.	CalbMT3Sb	IAZE01014351	MPGGPCGSNKNCEKCRCCSAASKCTANCKCDTRCCQRNQKCNCGDCKCCSSAKC
	82.	CakiMT3S	ICFL01015310	MPCGTGASCTCEKCRCCGASASSKCSENCKCGDCRCCGRTSANCRCGDCKCCGAAKC
	83.	CcicMT3S	IBHY01004928	MPCGTGCPSCSEKCRCCGAAASSKCSANCKVDCKCCGRSSANCRCGDCKCCGAAKC
Cyrtophora cicatrosa	84.	DcanMT2	ICHF01017029	MADVEKTSCTEPKECKDESCCENGQGACHTGKEECKDTCHKKPCGCKAGEDCKCKSEGKCAC
Delena cancerides	85.	DcanMT3L	ICHF01001373	MERKCPNCKCTKCQCCPASVKQTSKDCGCEECRCCKTSACATGKTCGKGCQCGDCKCCSSSGCQTSR ADKSCGASCKCDVCTCCSAATGGGICHCGDCKCCSTAVC
	86.	DcanMT3S	ICHF01007191	MPGGPCGSNCKCEKCRCCSAASKCGANCKCDTRCCQRGQKCECGDCKCCGAAKC
	87.	DmarMT2	GIWQ01214392	MADVEKTTSCCTDPKECKDDACCEQGGPCHTGKEECKDTCHKKACGCKAGEDCKCSGGKCGC
Desis marina	88.	DmarMT3L	GIWQ01151592	MEKAPCGSNCKCTKCRCCDGAQCCKMAGNCGCAECQCCSSSACQSGGKCCGKGCRCEDCKCCSAAS GQTKASCCCTNCKCDVCSCCSAAGSGTCPCGDCKCCPTAPC
	89.	DmarMT3S	GIWQ01313974	MPGGPCGTNCTCEKCRCCSAAAKCSPNCKCDTRCCQRNQKCECGDCKCCGAAKC
	90.	DsubMT2	ICGF01004055	MADVEKKSCCAEPKECKDESCCQEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCTDGKAC
Diaea subdola	91.	DsubMT3L	ICGF01021847	MDKCGPNCKCTKCRCCDAAKSATPACCQAKQTKCGCDDCLCKSSGGAQKSDCGKGCQCNCKCCS SGAQKDCGSNCKCDVCTCCSATKDSGACHCGNCKCCSAASC
	92.	DsubMT3S	IBBD01042702	MPGGPCGSNCTCEKCRCCSAASKCTASCKCDTRCCQRNQKCECGDCKCCSASKC
	93.	DfolMT2	IAXI01039432	MADVENKSCCAEPKECKDESCCQEGKGPCHTDKDSSCADSCQKKACGCKSGEDCKCKDGKCDC
Dictyna foliicola	94.	DfolMT3Sa	IAXI01008702	MPGGPCGSNCTCEKCRCCSAAAKCGSSCKCDTRCCQRGQRCECGDCKCCGAAKC
	95.	DfolMT3Sb	IAXI01012824	MNCGTCGPNTCEKCRCCGAAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC

Dolomedes sp.	96.	DspMT3L	IBQW01022981	MDKCGANCKCTKCRCCDAAKPATLSCCQSAATKAACGCDDCLCCNSSGCGAQKASDKGCQCECKCCS SSNQKNRCGSNCKCDVCTCCSSATGSGNCHCGDCKCCSAAVC
Dolomedes triton	97.	DtriMT2	GGRN01026674	MADVEKTSCTEAECKKDESCCENGQGACHTGKEECKDSCHKKACGCKAGEDCKCSEGKCAC
	98.	DtriMT3L	GGRN01035980	MDKCGANCKCTKCRCCDAAKPATLSCCQSAATKAACGCDDCLCCNSSGCGAQKASDKGCQCECKCCS SSSQKNRCGSNCKCDVCTCCSSATGSGNCHCGDCKCCFAAVC
	99.	DtriMT3S	GGRN01043194	MPGGPCGSNCTCEKCRCCSAAKCSSGCRCDTRCCQRGQKCQCGDCKCCGAAC
Ebelingia kumadai	100.	EkumMT2	IANA01004259	MADVEKTSCTEPKECKDESCCENGQGECHTGKEECKDSCHKKACGCKADEECKCSEGKCAC
	101.	EkumMT3L	IANA01024013	MDRCGPNCCKTKCRCCDAAKSATPACCQAAAKTDCGCDCLCCKSSSCGAQKSDCGKGCQCSCKCC AGAAQKDSGSGNCKCDVCTCCSAATDSGACHCGDCRCCSAATC
	102.	EkumMT3S	IANA01042734	MPGGPCGSNCSCEKCRCCSAASKCTASCKCDTRCCQRGQKCNCGDCKCCGAAC
Ebrechtella tricuspidata	103.	EtriMT3L	IBTQ01004588	MDKCGPNCKCTKCRCCDAAKSATPACCQAKKTSCKCDDCLCCTQKSDCGKECQCSCCKCCSGPAQKDS CGSNCKCDVCTCCSDAKESGASHCGNCRCCSAASC
Enoplognatha abrupta	104.	EabrMT3S	IBGU01031423	MPCGTGCPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAC
Episinus kitazawai	105.	EkitMT2	IBEG01009253	MADVENKSCCAEPKECKDESCCEGKGPCHEKEGCADSCQKPCGCKAGEDCKCKDGKCAC
	106.	EkitMT3Sa	IBEG01030932	MPCGTGCPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAC
	107.	EkitMT3Sb	IBEG01022842	MPGGPCGSNCTCEKCRCCSAASKCTASCKCDTRCCQRNQKCECGDCKCCSASK
	108.	EkitMT3Sc	IBEG01030305	MAGPCGANCTCDKCRCCSAASKCTASCKCDTRCCQRSQNCNCGDCKCCGAAC
	109.	EkitMT3Sd	IBEG01032665	MPGPGENCKCEKCRCCSAASKCTSNCKCDVCKCCERSQKCNCGDCKCCGEAK
Eriovixia sakiedaorum	110.	EsakMT2	IBEM01035248	MADVEKKSCCAEPKECKDESCCEGKGPCHEKEGCADSCQKPCGCKAGEDCKCKDGKCSC
	111.	EsakMT3S	IBEM01002195	MPCGTGCPNCTCEKCRCCGAAAPKCSANCQCGDCKCCGRSSANCRCGDCKCCGAAC
Falconina gracilis	112.	FgraMT2	IBPA01038432	MADVEKTSCTEPKECKDESCCENGQGACHTGKEECKETCHKKPCGCKAGEDCKCSEGKCAC
	113.	FgraMT3L	IBPA01036519	MEKKCGANCKCTKCRCCDSARQAAPPCTAAAAKKAGCSCDDCTCCKSSSCTSQKTCGGKCGKCGDCQ CCSSSGCQGDKSCCGSGCKCDVCTCCSAAKGGGDCHCGDCRCCPSATC
	114.	FgraMT3S	IBPA01019018	MPGGPCGPNCTCERCRCSSAAVRCGAGCKCDTCKCCQRGEKQCQCGDCKCCRAAC
Gibbaranea bituberculata	115.	GbitMT2	IBVP01006635	MADVEKKSCCAEPKECKDESCCEGKGPCHEKEGCADSCQKKPCGCKAGEDCKCKDGKCAC
	116.	GbitMT3S	IBVP01005554	MPCGTGCPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAC

Hasarius adansoni	117.	HadaMT2	GJQJ01025370	MADVEKKTCTEPKECKDESCCQNGQGECHTGKEECKDSCQKKACGCKAGEDCKCSDGKCGC
	118.	HadaMT3L	IBMC01008950	MEKKCGPNCKCTKCRCCNAARSAAPSCCTAASAKTADCGDDCTCCQKASCCGSQKTCGKGCDGDC KCCSSSSCQAGKSCCGSNCRDDCNCCSAAGSGDCHCGNCRCCSAASC
	119.	HadaMT3S	GJQJ01012079	MPGGPCGSNCTCEKCRCCSAASKCSSGCKCDTRCCQQRNQSCNCGDCKCCRAAKC
Heriaeus mellottei	120.	HmelMT2	IAJG01014351	MADVEKTSCTEPKECKDESCCENGQGACHTGKEECKDSCHKKPCGCKEGEDCKCSDGKCGC
	121.	HmelMT3L	IAJG01015975	MDKCGPNCKCTKCRCCDAAKSATPTCCQDAAKTDCRCEDCQCKSSSCGTQKSDCGKGCQCNCCKC SGDTQKDSCGSNCKDVCTCCSAAKDSGACHCGDCRCCSAASC
	122.	HmelMT3S	IAJG01036463	MPGGPCGSNCTCEKCRCCSAASKCTSSCKCDTRCCQQRNQKCNCGDCKCCGAAKC
Heteropoda venatoria	123.	HvenMT2	IBFQ01010827	MADVEKTSCTEPKECKDESCCENGQGACHTGKEECKDTCHKKPCGCKAGEDCKCSEGKCAC
	124.	HvenMT3L	IBFQ01012557	MERKCGASCKCTKCQCCPESVKQASKDCGCEECRCCSSPCASGKTCGKGCQCGDCKCCSSSACKTS CGTGCKCDVCTCCSAATGGGNCHCGDCKCCSTAKC
	125.	HvenMT3S	IAGF01017184	MPGGPCGSNCTCEKCRCCSAASKCGPGCRCDNCRCCQRGQNCQCGDCKCCGAAKC
Hylyphantes tanikawai	126.	HtanMT2	IAQG01046202	MADVEKKSACAESKDCCDDPECCQEGKGPCHTDKDSSCADSCQKKACGCKSGEDCKCKDGKCEC
	127.	HtanMT3Sa	IAQG01038721	MPCGTGPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
	128.	HtanMT3Sb	IAQG01034859	MPGGPCGSNCTCEKCRCCSAAAKCTSSCKCDTRCCQQRNQKCECGDCKCCSASKC
Hypsosinga sanguinea	129.	HsanMT2	IATX01006580	MADVENKSCCAEPKECKDESCCQDGKGPCHNEKEGCADSCQKKACGCKAGEDCKCKDGKCGC
	130.	HsanMT3S	IATX01035236	MPCGTGPNCTCEKCRCCGAGAASASKCSANCKCADCKCCGRTSANCRCGDCKCCDAAKC
Labulla thoracica	131.	LthoMT2	ICGP01036048	MADVENKSCCAEPKECKDESCCQEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCQDGKCAC
	132.	LthoMT3S	ICGP01002053	MPCGTGPNCTCDKCRCCGAAASSKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
Larinioides cornutus	133.	LcornMT3S	IBUI01018852	MPCGTGPNCTCEKCRCCGAAATSAKCSANCKCVDCKCCGKTGANCRCGDCKCCGAAKC
Latrodectus geometricus	134.	LgeoMT2	GFCZ01010332	MADVEKPCCPEPKECKDESCCDKGKGPCHAGEGGGEACQKPCGCKGGEECKKEGKCGC
	135.	LgeoMT3S	GBJM01039547	MPGPGPNPNCNEKCRCCSAASKCTSNCKCDVCRCCSRQRCNCGDCKCCGEAKC
Latrodectus hesperus	136.	LhesMT2	GBJN01124720	MADVEKPCCPEPKECKDESCCDQKGKGPCHAGEGGGDACQKPCGCKAGEDCKCKEGKCGC
	137.	LhesMT3Sa	GBCS01027129	MPGPGPNPNCNEKCRCCSAASKCTSSCKCDVCHCCSRRCNCGDCKCCGEAKC

	138.	LhesMT3Sb	GBJN01094922	MPGPGCPNCNCEKCRCCSAASKCTSNCKCDVCRCCSRNQKNCNGDCKCCGEAKC
Lehtinelagia evanida	139.	LevaMT3L	IBFM01000596	MDKSCGPNCCKTKCRCCDAAKSASPACCAAKKTDGCGDDCQCCSSSGTQKSDCGKECQCNCCKCS GAAQRDSCGSNCKCDVCTCCSAAKDSGNCHCGDCRCCSAASC
Loxosceles laeta	140.	LlaeMT2	EY188643	MADVEKAPCCDSPKECKDATCCDEGKGPCHGPDEKCSDSASKKKGCKAGEDCKCSEGKCAC
Lycosa coelestis	141.	LcoeMT2	IBIG01002848	MADVEKTSCTEPKECKDESCCENGQGACHTGKEECKDSCHKKACGCKAGEDCKCSDGKCGC
	142.	LcoeMT3L	IBIG01003521	MDKCGPNCKCTKCRCCDAAKDSTPACCQAAAKKTS CGCDDCSCSSSGCCEQKASGKGCQCSCCKCS PAASQKNTCGSSCKCDVSCCSAAKSGGDCHCGNCKCCSTACC
	143.	LcoeMT3Sa	IBVM01020795	MPGGPCGSNCTCEKCRCCSAASKCSAGCRCDTRCCQRGQKQCQCGDCKCCGAAKC
	144.	LcoeMT3Sb	IBIG01009944	MPGGPCGANCSCEKCRCCSAAASSGGRGPNCRCDVCRCCNRGNCRCGDCRCCGASKC
Lysiteles coronatus	145.	LcorMT2	IBDW01045585	MADVEKTSCTESKECKDESCCENGQGECHTGEEKCKDTCHKKACGCKADEECKCSEGKCAC
	146.	LcorMT3L	IBDW01040765	MEKNCGPNCKCTKCRCCNAAGKDCGCETCRCCDASSCKSAKSCGSGCDRCDCKCSATSCCQTSSC CGSGCKCDKCTCCAAAGKGTNCNGDCKCCSTAKC
	147.	LcorMT3Sa	IBDW01030729	MPGGPCGSNCTCEKCRCTAASKCTASCKCDTRCCQRSQKNCNGDCKCCGAAKC
	148.	LcorMT3Sb	IBDW01005672	MPGGPCGSNCSCEKCRCCSAAASAPSKCGPNCKCDVCRCCNRGNCRCGDCKCCGASKC
Lysiteles maior	149.	LmaiMT2	ICAK01041707	MADVEKTSCTEPKECKDESCCENGQGECHTGEEKCKDTCHKKACGCKADEECKCAEGKCAC
	150.	LmaiMT3L	ICAK01042855	MEKCGPNCKCTKCRCCDAAKSATCCQDAAKKTNCGDDCQCKSAGSGAQKSDCGKGCQCNCCKCS GGKQKDGCESNCKDRCTCCPVTKDSGVCHCGFCRCCDLASF
	151.	LmaiMT3Sa	ICAK01036021	MPGGPCGSNCTCEKCRCTAASKCTASCKCDTRCCQSGQKNCNGDCKCCGAAKC
	152.	LmaiMT3Sb	ICAK01032991	MPGGPCGSNCSCEKCRCCSAAASAPSKCGPNCKCDVCRCCNRGNCRCGDCKCCGASKC
Macracantha hasselti	153.	MhasMT2	IBKA01027009	MADVENKSCCAEPKECKDESCQEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCQDGKCAC
	154.	MhasMT3S	IBKA01028729	MPCGTCGPNCTCDKCRCCGAAASSKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
Mallinella shimojanai	155.	MshiMT2	IAKA01018968	MADVEKTSCTEAKCKDESCQNGQGSCHTGKEECKDSCHKKPCGCKASEECKCSDGKCPG
	156.	MshiMT3L	IAKA01013492	MDKRCGANCKCTKCRCCDAQPKQAAGTDCGCEECRCKSAPCSSGKTCGKGCQCGDCKCCSSACQ TSSCGTSCACDVCTCCSASKGDGDCHCGDCKCCSSAKC
	157.	MshiMT3S	IAKA01005514	MPGGPCGPNCSEKCRCCSASAAPKCSASCKCDKCRCCQRTQKQCQCGDCKCCAGSTC
Mangora placida	158.	MplaMT2	IBXG01004564	MADVEKKSCCAEPKECKDETCCQEGKGPCHTEKESCQKKPCGCSTGEECKCKDGKCAC

	159.	MplaMT3S	IBXG01043951	MPCGTGPNCTCEKCRCCGAAASSAKGPNCKCVDCKCCGKTSANCRCGDCKCCGAAC
Marpissa muscosa	160.	MmusMT2	GJIM01328652	MADVEKKSCTEAECKDESCCQNGQGTHTGKEECKDSCKTKACGCKAGEDCKCSDGKCAC
	161.	MmusMT3L	GJIM01217943	MERKCGPNCRCTKCRCCDAAKQSAPPCCTAAAASKADCGCDDCTCCQKSACCGSEKTCGKGCQCGD CRCCSSSSCQAGKSSCGSNCKCDVCTCCSAAKSGGDCHCGDCRCCSAASC
	162.	MmusMT3S	GJIM01320864	MPGGPCGSNCTCEKCRCCSAATKCN SGCKCDPCRCCGKGQNCRCGDCKCCGAAC
Marpissa yawatai	163.	MyawMT2	IBNG01005425	MADVEKKS DCTESKECKNEMPHEPCHTDKEDCKDCCKTKECGCKAGEDCKCSDGKCGC
	164.	MyawMT3L	IBNG01023303	MERKCGPNCRCTKCRCCDAAKQSAPPCCTAAAASKAACGDDCTCCQKSACCGSEKTCGKGCQCGD CKCCSASSCQAGKSSCGSNCKCDVCTCCSAAKSGGDCHCGDCRCCSAASC
	165.	MyawMT3S	IBNG01051378	MPGGPCGSNCTCEKCRCCSAATKCN SGCKCDPCRCCGKGQNCRCGDCKCCGAAC
Mecynogea lemniscata	166.	MlemMT2	ICBE01019609	MADVEKKS CAEPKECKDESCCQEGKGPCHTEKDG CADSCQKKPCGCKAGEDCKCKDGKAC
	167.	MlemMT3S	ICBE01013695	MPCGTGPPSCSCEKCRCCGAAAAAPKCSANCKCVDCKCCGKTGANCRCGDCKCCGAAC
Micrathena gracilis	168.	MgraMT2	IAWP01018183	MADVEKKPCAEPKECKDESCCQEGKGPCHTEKDG CADSCQTKPCGCKAGEDCKCTDGKCS
	169.	MgraMT3S	IAWP01035947	MPCGTGPPSCSCEKCRCCGAAASSKSPNCKDNCQCCGRSSANCRCGDCKCCGASKC
Microdipoena pseudojovi	170.	MpseMT2	ICBP01032588	MADVEKKCAEPKDCKEDPSCCQDGKGSCHTDK DSCADSCDKKACGCKAGEDCKCKDGKAC
	171.	MpseMT3L	ICBP01040719	MEKNCGPNCKCTKCRCCNAAGKDGCGCETCRCCDASSCKSAKSCGSGCDRCDCKCSATSCCQTSSC CGSGCKCDKCTCCAAAGKGTNCNGDCKCCSTAKC
	172.	MpseMT3Sa	ICBP01045714	MPGGPCGTNCTCEKCRCCGAAAKCSASCKCETCRCCQRGQNCRCGDCKCCGASKC
	173.	MpseMT3Sb	ICBP01037319	MPGPGPNCTCDKCRCTAATKCSGCKCDTCRCCERGQKQCGDCKCCGAAC
Misumenops bellulus	174.	MbelMT2	IAGN01028376	MADVEKTPCCTEAECKDQKGQGECHTGKEECKDTCHKKACGCKADEECKSEGKAC
	175.	MbelMT3L	IAGN01039957	MDKCGPNCKCTKCRCCDAAKSATPSCCQDAAKANCGCDDCQCKSSSCGTQKSDCGEGCQCCKC CAGATQKDSGSGSNCKCDVCTCCSAAKDSGACHCGDCRCCSTASC
	176.	MbelMT3Sa	IAGN01029399	MPGGPCGSNCTCEKCRCCSAASKTASCRCDTCRCCQRSQKCNCGDCKCCGAAC
	177.	MbelMT3Sb	IAGN01017054	MPGGPCGANCSCEKCRCCSAAASASASRCGPNCKCDVCRCCNKGNCRCGDCKCCGASKC
Morebilus sp.	178.	MspMT3L	IAGI01044335	MEKKCGPNCKCTKCRCCDAAKTAPCCTAAAASKADCGCDDCHCKSSSCASQKTCGKGCQCGDCKCC SSSACQTSKSCGSSCKCDVCTCCSAAKDGGVCHGNCRCCEAAC
Myrmarachne inermichelis	179.	MineMT2	ICJC01044708	MADVEKPCAEPKECKDESCCQEGKGPCHTEKEGCGDSCHKKPCGCKAGEDCKCKDGKAC

	180.	MineMT3L	ICJC01003799	MEKKCGPNCKCTKCRCCDSAKQAAPPCTAAAAKKADCGCNDSCCQNSSCCGSKGCQCSDKCCSS SSCQTSKSSCGSSCKDVCTCCSAAKGSGDCHCGNCKCCSAASC
	181.	MineMT3S	ICJC01041083	MPCGTCGPNCTCEKCRCCGAAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
Neon minutus	182.	NminMT3L	IAIC01046021	MENKCGPNCKCTKCRCCDAKQATPSCCAAAAAKKADCGCDDTCCQKSSCGSQKSCGKGCQCSDK CCSSAACHASKSCCGSSCKDVCTCCSAAKGSGDCHCGDCRCCSAASC
Neoscona arabesca	183.	NaraMT2	IBED01024418	MADVEKKSCEAPKECKDESCCEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCTDGKAC
	184.	NaraMT3S	IBED01005087	MPCGTCGPNCTCDKCRCCGAAAAPKCSANCQCGDCKCCGRTSATCRCGDCKCCGAAKC
Nephila clavipes	185.	NclaMT2a	GFKT010927754	MADVEKPCCAEPECKDESCCEGKGPCHTDGKEDCADSCHKKPCGCKAGEDCKCKDGKAC
	186.	NclaMT2b	GFKT012135641	MADVEKTACCAEPKECKDESCCEGKGPCHTEKESGDSCHKKPCGCKAGEDCKCKDGKAC
	187.	NclaMT3S	GFKT011191296	MPGGPCGSNCEKCRCCSAASKCTSGCKCDTRCCQRNQKCECGDCKCCGAAKC
Nephilengys cruentata	188.	NcruMT2	GEWZ01004248	MADVEKTACCAEPKECKDESCCEGKGPCHTEKESGDSCHKKPCGCKAGEDCKCKDGKAC
Nesticus yesoensis	189.	NyesMT2	IBBO01018781	MADVEKKCCDEPECKDESCCEGKGSCHTEKDGSCADKCHAKACGCTAGEECKKEGKCGC
	190.	NyesMT3S	IBBO01028050	MPCGTCGPNCTCEKCRCCGAAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
Nihonhimea mundula	191.	NmunMT2	IAVV01016525	MADVEKPCCAEPECKDESCCEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCKDGKAC
	192.	NmunMT3S	IAVV01005513	MPCGTCGPNCTCEKCRCCGAAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
Nuctenea umbratica	193.	NumbMT3S	IAHU01040313	MPCGTCGPNCTCEKCRCCGAATASASKCSANCKADCKCCGRTSANCRCGDCKCCGAAKC
Octonoba grandiconcava	194.	OgraMT2	IBKN01001004	MADVEKSCCAETKDCCDVANCCENGKGTCEKDADCKDGCHTKKPCGCKANEACKCSEGKAC
	195.	OgraMT3Sa	ICDQ01018272	PGGPGGANCTCEKCRCCGAASRSDTCKCDTRCCQKGRDCRCGDCKCCGASKC
	196.	OgraMT3Sb	ICDQ01030917	MPGGPCGANCTCEKCRCCGAAAKCSSCKCETCRCCQRGQNCRCGDCKCCGASKC
Octonoba grandiprojecta	197.	OgrpMT2	ICKD01013852	MADVEKTSCTEAECKDESCCENGQGACHTGKEECKDSCHKKACGCKAGEDCKCSEGKAC
	198.	OgrpMT3S	ICKD01006318	MHGGPCGANCTCEKCRCCGAASRSDTCKCDTRCCQKGRDCRCGDCKCCGASKC
Octonoba okinawensis	199.	OokiMT2	IALW01017951	MADVEKSCCAETKDCCDVANCCENGKGTCEKDADCKDGCHTKKPCGCKANEACKCSEGKAC
	200.	OokiMT3Sa	IALW01003257	MPGGPCGANCTCEKCRCCGAAAKCSSCKCETCRCCQRGQNCRCGDCKCCGASKC

Octonoba sybotides	201.	OokiMT3Sb	IALW01034307	MPGGPCDPNCTCEKCRCCGAAAKCSSSKCETCRCCQRGQNCRCGDCKCCGASKC
	202.	OokiMT3Sc	IALW01006618	MTGGTCGANCTCEKCRCCGAASRCSDTKCDDTCRCCQKGRDRCRGDCKCCGASKC
	203.	OsybMT2	IAZZ01001752	MADVEKSCCAETKDCCDVDANCCENGKGTGHEKDADCKDKGCHTKKPCGCKANEACKCSEKGCAC
	204.	OsybMT3Sa	IAUX01017549	MPGGPCGANCTCEKCRCCGAAASRCSDTKCDDTCRCCQKGRDRCRGDCKCCGASKC
Octonoba varians	205.	OsybMT3Sb	IAUX01008602	MPGGPCGANCTCEKCRCCGAAAKCSASCKCETCRCCQRGQNCRCGDCKCCGASKC
	206.	OvarMT2	IAST01008113	MADVEKSCCAETKDCCDVDANCCENGKGTGHEKDADCKDKGCHTKKPCGCKANEACKCSEKGCAC
	207.	OvarMT3Sa	IAST01011549	MPGGPCGANCTCEKCRCCGAAASRCSDTKCDDTCRCCQKGRDRCRGDCKCCGASKC
	208.	OvarMT3Sb	IAST01017713	MPGGPCGSNCTCEKCRCCGAAAKCSASCKCETCRCCQRGQNCRCGDCKCCGASKC
Octonoba yesoensis	209.	OyesMT2	IAQA01003517	MADVEKSCCAETKDCCDVDANCCENGKGTGHEKDADCKDKGCHTKKPCGCKANEACKCSEKGCAC
	210.	OyesMT3Sa	IAQA01022141	MPGGPCGANCTCEKCRCCGAAASRCSDTKCDDTCRCCQKGRDRCRGDCKCCGASKC
	211.	OyesMT3Sb	IAQA01008891	MPGGPCGTNCTCEKCRCCGAAAKCSASCKCETCRCCQRGQNCRCGDCKCCGASKC
Oecobius navus	212.	OnavMT2	IBWY01033478	MADVENKSCCAEPKECKDESCCEQEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCQDQKGCAC
	213.	OnavMT3S	IBWY01005004	MPCGTGCPNCTCDKCRCCGAAASSKCSANCNCGDKCCGRTSANCRGDCKCCGAAC
Otacilia luna	214.	OlunMT2	ICGC01035958	MADVEKTSCTDAKECKDDSCCDNGQAACHTGKEECAETCHKKPCGCKAGEDCKCSDGKGCAC
	215.	OlunMT3L	ICGC01023166	MERCGPNCKCTKCRCCDAGKSGAASGCGCKDCSCCGSSSCGSQKTCGKGCQCKDCKCCSSSGCQTG KSCCGSGCKDVCTCCSAAQGGGACHCGDCKCCSSAKC
	216.	OlunMT3S	ICGC01018723	MPGGPCGSNCTCEKCRCCSAASKCSAGCKDTCRCCQRGEKQCQGDCKCCGAAC
Oxytate hoshizuna	217.	OhosMT2	IBYW01036832	MADVEKTSCTESKECKDESCCENGQGECHTGKEECKDTCHKKACGCKADEECKCSEKGCAC
	218.	OhosMT3L	IBFD01027433	MDKCGPNCKCTKCRCCDAASKSATPACCAKKTSCCKDDCLCTQKSDCGKECQCCKCCSVPAQKDS CGSNCKCDVCTCCSAAKDSGASHCGSCRCCSAASC
	219.	OhosMT3Sa	IBIV01016281	MPGGPCGPNCACEKCRCCSAASKCTAACKCDTCRCCQRNQCNCNGDKCCGASKC
	220.	OhosMT3Sb	ICJU01039914	MPGGPCGANCTCEKCRCCSSAATASASRCGPNCCKDVCRCGRGQNCRCGDCKCCSASKC
Ozyptila matsumotoi	221.	OmatMT2	IBFR01041374	MADVEKTSCTTETKECKDESCCENGQGECHTGKEGCKDTCHKKACGCKAGEECKCTEGKGCAC

	222.	OmatMT3L	IBFR01009325	MDKCGPNCKCTKCRCCDAAKSASPCCCQSAAKKANCRCDDCQCKSSSCGTQKSDCGKGCQCNCCKC CSGGTQKDSGSGSNCKCDVCTCCSAAKDSGACHCGDCRCCSAASC
	223.	OmatMT3S	IBFR01032300	MPCGTGPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
Pachygnatha quadrimaculata	224.	PquaMT2	IALH01014478	MADVEKPCCAEPKECKDESCCQEGKGPCHTEKEGCGDSCHKKPCGCKAGEDCKCKDGKCAC
	225.	PquaMT3Sa	IALH01010477	MPCGTGPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
	226.	PquaMT3Sb	IALH01010495	MPGGPCGSNCTCEKCRCCSAASKCTASCKCDTRCCQNRNQKCECGDCKCCSASKC
Pandava laminata	227.	PlamMT3L	IASI01033194	MEGKTGSGNCKCTKCRCCDAAKTGKECGCEECRCCKSASCGSQSTCGKGCTCGDCKCCSSADCQKQK SCGSGCKCDVCSCTAATGGGVCHCGNCKCCPSSGC
Pandercetes sp.	228.	PspMT3L	IBWH01021393	MEKKCGSSCKCTKQCQCPASVKQASKDCGCEECRCCKSSPCASGKTCGKGCQCGDCKCCSSSACQTSS CGAGCKCDVCTCCSAATGGGNCHCGDCKCCSAAVC
Parasteatoda ryukyu	229.	PryuMT2a	IBPF01015651	DVEKTSCTEPKECKDESCCENGQGACHTGKEECKDSCHKKPCGCKEGEDCKCSDGKCGC
	230.	PryuMT2b	ICDI01032605	MADVEKPCCDEPKDCKDESCCKEGKGPCHTEKEGCGDSCHKKACGCKVGEDCKCSGGKCEC
	231.	PryuMT2c	ICDI01004733	MADVEKKPCCAEPKECKDESCCQEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCQDGKCAC
	232.	PryuMT3S	IAVY01004002	MPCGTGPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
Parasteatoda tepidariorum	233.	PtepMT2	IBLE01032418	MADVENKSCCAEPKECKDESCCQEGKGPCHTDKDSSCADSCQKKACGCKSGEDCKCKDGKCDC
	234.	PtepMT3S	IACA01037330	MPGGPCGPNCTCEKCRCCSAASKCTSNCNCDNRCCQRSQKCNCGDCKCCGEAKC
Pardosa amentata	235.	PameMT2	GJIU01181368	MADVEKTSCTESKECKDESCCENGQGACHTGKEECKDSCHKKACGCKAGEDCKCSDGKCGC
	236.	PameMT3L	GJIU01357226	MDKCGANCKCTKCRCCDAVKESTPACCQAAARKTTGCGDDCSCSSSGCCEPKAVGKGCQCNCCKCCS PASSQKNTGSSCKCDVCSCCSAAGSGDCHCGNCKCCSTACC
	237.	PameMT3S	GJIU01318898	MPGGPCGANCSCEKCRCCSAAASSGGRCPNCRCEVRCRCCNRGQNCRCGDRCCSASKC
Pardosa pseudoannulata	238.	PpseMT2	GGRD01042272	MADVEKTSCTEPKECKDESCCENGQGACHTGKEECKDSCHKKPCGCKEGEDCKCSDGKCGC
	239.	PpseMT3L	GGRD01246346	MDKCGANCKCTKCRCCDAAKESTPACCQAAAKTSCGDDCSCSSSGCCEQTASGKGCQCSCCKCCS PASSQKKACGSSCKCDVCTCCSAAGSGDCHCGNCKCCSTACC
	240.	PpseMT3S	GGRD01193535	MPGGPCGSNCTCEKCRCCSAASKCSAGCRCDTRCCQRGQKQCQCGDCKCCGAAKC
Perilla teres	241.	PterMT2	IBAD01021535	MADVENKSCCAETKECKDESCCQEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCKDGKCAC
	242.	PterMT3S	IBAD01018297	MPCGTGPNCSCEKCRCCGAASASKCSANCKCSDCKCCGRTSANCRCGDCKCCDAAKC

Pharta brevipalpus	243.	PbreMT2	IAWA01034742	MADVEKTSCTTESKECKDESCCENGQGACHTGKEECKDSCHKKACGCKADEDCCKAEGKAC
	244.	PbreMT3L	IAWA01009108	MDKCGPNCKCTKCRCCDAAKSAKPSCCQTAKKSCECDDCRCCNSSSCQTGKECQCNCCKCSASSEQK DSCGSNCKCDVCTCCSASKESGDCHCGDCKCCSGAAC
	245.	PbreMT3S	IAWA01017274	MPGGPCGANCSCEKCRCCSAAGACGSSSRCSPNCKCDVCRCCNRGQNCRCGDCKCCSASKC
Phidippus clarus	246.	PclaMT2	ICBG01047316	MADVEKKSCTEPKECKDESCCQNGQGSCHTGKEECKDSCQTKACGCKAGEDCKCSDGKAC
	247.	PclaMT3L	ICBG01041784	MEKKGPNCRCTKCRCCDAAKQAAPPCCTAAAKKADCGCDDCTCCQKSSCCGSEKACGKGCQCGDC RCCSSACQTGKSSCGSNCKCDVCTCCSAKSGGDCHCGDCRCCSAASC
Philodromus emarginatus	248.	PemaMT2	IBPM01002942	MADVEKTSCTEPKECKDESCCQNGQACHTDKEECKESCHKKPCGCKTGEECKCSSDGKAC
	249.	PemaMT3L	IBPM01010691	MDSCGPNCKCSKCRCCDAATQSALTCCCAASGKKSCSCTDCTCKSSSCCKQKSCGEGKCDNCKCCE ASPCQTSKSSCGSSCKDVCTCCSAKGGADCHCGNCKCCSAATC
	250.	PemaMT3S	IBPM01033659	MPCGTCGPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAC
Phoneutria nigriventer	251.	PnigMT2	GFUY01017528	MADVEKTSCTEQKECKDESCCENGQGACHTGKEECKDTCHKKACGCKAGEDCKCSEGKAC
	252.	PnigMT3Lpart	GFUY01014770	CDCDDCTCCNSSGCGAQKTCGKGQCSDCKCCSSASCHKASCGSDCKCDVCTCCSAKSSGDCHCG NCRCCSAAVC
	253.	PnigMT3S	GFUY01018717	MPGGPCGANCTCERCRCSSAATKCSSGCKCDSCRCCQRGQNCQCGDCKCCGAAC
Phoroncidia pilula	254.	PpilMT2	IBOK01000603	MADVEKKCAEPKDCKEDPSCCQDQKGSGCHTDKDSCADSCDKKACGCKAGEDCKCKDGKAC
	255.	PpilMT3L	IBOK01002666	MEKNCGPNCKCTKCRCCNAAGKDCGCETCRCCDASSCKSAKSCGSGCDRCDCKCSATSCCQTSSC CGSGCKCDKCTCCAAAGKGTNCNGDCKCCSTAKC
	256.	PpilMT3S	IBOK01019512	MPGGPCGPNCTCEKCRCTAASKCTSNCKCDNCRCCQRSQKCNCGDCKCCGEAKC
Phrynarachne ceylonica	257.	PceyMT2	IAYL01007552	MADVEKTSCTEPKECKDESCCENGQGKCHTGKEECKDTCHKKSCGCKADEECKCSEGKAC
	258.	PceyMT3L	IAYL01009101	MDKCGPNCKCTKCRCCAAKSATSCCEDAAKKANCRDCCQCKSSDCGTQKSDCGEGCQCCKCC SGAMQKDSGSGNCKCDVCTCCSAKDSGACHCGDCRCCSTASC
	259.	PceyMT3S	IAYL01023434	MPGGPCGSNCSCEKCRCCSAAASASASRCGSNCKCDVCRCCNRGQNCRCGDCKCCSASKC
Phrynarachne katoi	260.	PkatMT2	IAOS01018527	MADVEKTSCTEPKECKDESCCENGQGECHTGKEECKDTCHKKACGCKADEECKCSEGKAC
	261.	PkatMT3L	IAOS01005111	MDKCGPNCKCTKCRCCDAAKSATCCCCQDAAKKANCRDCCQCKSSDCETQKSDCGKGCQCNCCK CSGATQKDSGSGNCKCDVCTCCSAKDSGACHCGDCRCCSAASC
	262.	PkatMT3S	IAOS01012376	MPGGPCGSNCSCEKCRCCSAAASASASRCGSNCKCDVCRCCNRGQNCRCGDCKCCSASKC
Phycosoma japonicum	263.	PjapMT2	IAZW01000630	MADVENKSCCAEPKECKDESCCQEGKGPCHTDKSSCADSCQKKACGCKSGEDCKCKDGKDC

	264.	PjapMT3Sa	IAZW01024263	MPCGTCGPNCTCEKCRCCGAAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAC
	265.	PjapMT3Sb	IAZW010044059	MPCGNCGPNCTCEKCRCCGASSPKCSSNCKCGDCKCCNKTNCRCGDCKCCGASPC
Pisaura bicornis	266.	PbicMT2	ICDN01011823	MADVEKTSCTESKECKDDSCCENGKAACHAGKEECKESCHQKDSPCKCKSGEECKKEGCSC
	267.	PbicMT3L	ICDN01027384	MDKCGPNCKCTKCRCCDAAKPATPACCQEAANKAACGCDDCQCCSSSGCGTQKTCGKGCCQCGDCK CCSAAASQKKTCGSNCRCDVCTCCSSAKSGNCHCGDCKCCSAAVC
	268.	PbicMT3S	ICDN01028901	MPGGPCGSNCNCEKCRCCSAASDSRCGPNCRCDVCRCKRGANCRCGDCRCCSASKC
Pisaura lama	269.	PlamaMT2	IAQF01020027	MADVEKKACCAEPKECKDESCCEQEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCKDGKAC
	270.	PlamaMT3L	IBMA01021694	MDKCGPNCKCTKCRCCDAAKPATPACCQEAANKAACGCDDCQCCSSSGCGTQKTCGKGCCQCGDCK CCSAATSQKKTCGSNCRCDVCTCCSSAKSGNCHCGDCKCCSAAVC
	271.	PlamaMT3S	IAQF01007099	MPCGACGPNCTCEKCRCCGAAAAPKCSANCNCSDKCCGRTSANCRCGDCKCCSAAK
Pistius undulatus	272.	PundMT3L	IBZD01006492	MDKCGPNCKCTKCRCCDAAKSATPTCCQAAAMKVNCRCDDCQCKSSGTQKSDCGKGCQCSCKCCS GATQKDSGNSCKCDVCTCCSAAKDSGACHCGDCRCCSAASC
Platnickina sterninotata	273.	PsteMT3S	IAGQ01013489	MNCGTCGPNCTCEKCRCCGAAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAC
Plebs astridae	274.	PastMT3S	IBUD01021694	MPCGTCGPNCTCEKCRCCGAAAAPKCSSNCQCGDCKCCGKASASCRCGDCKCCSASKC
Poecilopachys australasia	275.	PausMT3S	ICKB01002344	MPCGTCGPNCTCDKCRCCGAAASSKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAC
Pseudopoda spirembolus	276.	PspiMT2	IBQV01000539	MADVEKTSCTETKECKDESCCENGQGACHTGKEECKDSCHKKPCGCKAGEDCKCSEKGCAC
	277.	PspiMT3L	IBKY01007427	MERKCGSNCKCTKCQCCPASVKQASKECGCEECRCCKSSPCASGKTCGKGCCQCGDCKCCSSSACKTSS CGTGCKCDVCTCCSAATGGGNCHCGDCKCCSSAVC
	278.	PspiMT3S	IBKY01029357	MPGGPCGSNCTCEKCRCCSAASKCSPCKCDTRCCQQRGQKQCGDCKCCGAAC
	279.	RhatrMT3L	IAUA01039453	MERKCGPNCRVCRCRCCDASKQAAPPCTAAAAKTADCGCDNCTCCQKSSCCGSEKACGKGVCVGDG KCCSSSPCQTSKSCGSNCKCDVCTCCSAAKSGGDCQCGNCRCCSAASC
Runcinia acuminata	280.	RacuMT3L	IAYK01009383	MDKCGPNCKCTKCRCCDAAKSATPACCQAAAKKADCGCDDCQCKSSGCGTQKSDCGKGCQCSCKC CSGAAQKESCGSNCKCDVCTCCSAAKDSGACHCGDCRCCSAASC
Schizocosa ocreata	281.	SocrMT2	GIZV01010417	MADVEKTSCTESKECKDESCCENDQGACHTGKEECKDTCHKKACGCKAGEDCKCTDGKGC
	282.	SocrMT3L	GIZR01017868	MDKCGANCKCTKCRCCDAAKESTPACCQAAAKTSCGDDCSCSSSGCEQKASGKGCCQCSCKCCS PASRQKNTCGSSCKDVCSCSAAGSGDCHCGNCKCCSTACC
	283.	SocrMT3Sa	GIZU01029122	MPGGPCGSNCTCEKCRCCSAASKCSAGCRCDTRCCQQRGQKQCGDCKCCGAAC
	284.	SocrMT3Sb	GIZR01034889	MPGGPCGANCTCEKCRCCSAAGSSGRCGPNCRCDVCRCCNRCQNCRCGDRCRCCSASKC

Shinobius orientalis	285.	SoriMT2	IBGW01039022	MADVEKKSCEAEKCECKDESCCEQEGKGPCHTEKEGCADSCQKKPCGCKAGEDCKCQDGKCAC
	286.	SoriMT3L	IBGW01024166	MDKCGANCKCTKCRCCDAAKGAAPSCCPSAAKSNCGCDDCRCCSSSGCEAQKASGKGCQCECKCCS
	287.	SoriMT3S	IBGW01035513	SQRNTCGSNCKCDVCTCCSSAKSGDCHCGNCKCCSAAGC MPGGPCGPNCNCEKCRCCSAAASKCTSNCKCDVCRCCQGRGQRNCNGDCKCCGEAKC
	288.	SrubMT3L	IBXR01041414	MDKCGPNCKCTKCRCCDAAKTATPSCCQAAAKSTCGCDDCQCKSSSCGSQKTDCAKGCQCNCCKCC
Singa perpolita	289.	SperMT3S	IBIS01040974	SPASKQKDSGNSCQCDVCTCCSAAKESGSCHCGDCRCCSAAAC MPCGTCGPNCTCDKCRCCGAAASSKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
Sinopoda forcipata	290.	SforMT2	IAZL01034704	MADVEKTSCTESKECKDESCCENGQGACHTGKEECKDSCHKKPCGCKAGEDCKCSEGKCAC
	291.	SforMT3L	ICBI01018703	MERKCGSNCKCTKCQCCPASVKQASKDCGCEEERCKKSSPCASGKSGKGCQCGDCKCCSSSACQTS
	292.	SforMT3S	IAZL01014300	SCGTGCKCDVCTCCSAATGGGNCHCGDCKCCSAAVC MPCGTCGSNCTCEKCRCCSAAASKCGPGCKCDNCKCCQRSQKQCGDCRCCGAAKC
Steatoda grossa	293.	SgroMT2	GBJQ01091123	MADVEKPCCTEPKECKDESCCDEGKGPCHANEGGDAACQKPCGCKSGEDCKCKEGKCGC
	294.	SgroMT3S	GFDC01029402	MPGGPCGPNCNCEKCRCCSAAASKCTSNCKCDVCRCCSRGQKCNCGDCKCCGEAKC
Stegodyphus dumicola	295.	SdumMT2	XR_004757882+SRA	MADVEKTGCCAEAKECAADNCSTECKTNCHDGKEECKDSCHKKPCGCKGTEDCKCSEGKCGC
	296.	SdumMT3L	XP_035211109	METKCGVGCQCNQCKCCDVSKTRDSCCDKTGSKDCCCINSSCKESGCNIAKQGTGDCNCADCKCCST
Stegodyphus lineatus	297.	SlinMT2	JT031711	ATCQTKSPSCKCDVCTCCQKSGGTDCHCGKCKCCPSAKS MADVEKTGCCAEAKECAADNCSTECKTNCHDGKEECKDSCHKKPCGCKGTEDCKCSEGKCGC
	298.	SlinMT3L	JT033686	METKCGAECQCKECQCCDAAKTGDSCCDKTGSKDCCCTNSSCKESGCNVSKQGTGNCTDCKCCS
	299.	SlinMT3Sa	JT025713	TATCQMKSPSCKCDVCTCCQKSGGTDCHCGKCKCCPSAKS MPGGPCGSDCSCQNCRCSSAAAKCSANCKCDTCRCCQRSQTCRCGNCRCCSSAKC
	300.	SlinMT3Sb	JT027986	MPGGPCGANCSCEKCRCCSAAAKCSAGCKCDVCRCCQRGQKCNCGDCRCCGAAKC
Stegodyphus mimosarum	301.	SmimMT2	JT38942)	MADVEKTGCCAEAKECAADNCSTECKTNCHDGKEECKDSCHKKPCGCKGTEDCKCSEGKCAC
	302.	SmimMT3L	JT040526	METKCGAGCQCKQCQCCDAAGDSCCDKTGSKDCCCINSPCKASGCNISKEGTGNCTDCKCCST
	303.	SmimMT3Sa	KFM81894	ATCQTKSPSCKCDVCTCCQKSGGTDCHCGKCKCCPSAKS MPGGPCGPNCTCRDCRCCSSAVKCNSSGSKGETCRCSQNGQPCRCRDCKCRGGANR
	304.	SmimMT3Sb	JT036585	MPGGPCGANCNCEKCRCCSAAAKCSAGCKCDVCHCCQRGQKCNCGDCRCCGAAKC
Stegodyphus tentoriicola	305.	StenMT2	JT042210	MADVEKTGCCAEAKECAADNCSTECKTNCHDGKEECKDSCHKKPCGCKGTEDCKCSEGKCGC

	306.	StenMT3S	JT042034	MPGGPCGANCNCEKCRCCSAAAKCSAGCKCDVCRCCQRGQKCNCGDCRCCGAAKC
Stephanopis cambridgei	307.	ScamMT3L	ICHM01000361	MDKCGPNCKCTKCRCCDAAKTATPSCCQAAAKSTCGCDDCSCCKSSGCGSGKTCGKGQCNCNCKCC SSASKQKDSCGSSCQCDVCTCCSAAKESGSGCHGDCCKCCSAAVC
Storena cyanea	308.	ScyaMT3L	IBGG01005528	MERRCGANCKCTKCRCEAGKTAARQAGKDCGDCRCCKDSSCGTGKSCGNGCECGDCKCCSSAA CQTSSCGSSCPDVCTCCSASKSGNCCCGDCKCCPTAKC
Synagelides annae	309.	SannMT2	IBPH01030142	MADVEKKSCTEGKECKDESCENGEGACHKGKEECKESCHKKPCGCKAGEDCKCTDGKCGC
	310.	SannMT3La	IBPH01038578	MEKCGANCKCTKCRCCGAAKSAAPSCCTAASARKADCGCDDCTCCQKSPCCASQKTCGKGCDGDCCK CCSSSACQKGKSCCGSGCKDDCSCCSAAKSGGDCHGDCCKCCSSASC
	311.	SannMT3Lb	IAOG01004562	METCGANCRCTKCRCCDAGKAAAPSCCTAAASKKADCSDDCTCCQKSSCGSQKSCGKGCDSDCKC CSSSACRTAGKTCGGSNCKCDVCTCCPAAGTTCSH
	312.	SannMT3S	IBPH01041663	MPCGTGPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRGDCCKCCGAAC
Synema chikunii	313.	SchiMT3L	ICKA01016492	MDKCGPNCKCTKCRCCDAAKSATPACCQAKKTSCGDDCQCKSSGCGTQKSDCGKGQCNCNCKCS GTSQKDSGGSNCKCDVCTCCSAAKDSGSGCHGDCCKCCSAASC
Tengella perfuga	314.	TperMT2	GGOF01120677	MADVEKKTCAEPKECKDESCQDGKGTCHTEKEGCADSCQKKPCGCKAGEDCKCKDGKCAC
	315.	TperMT3L	GGOF01029183	MDKCGTNCKCTKCRCCDAGKSAGPACCQAAAKAACKCDDCRCCSAAACGKQKTCGKGQCSDCKC CSSSSCQKDCGGSNCKDDCRCCSAAKSGDCKGDCCKCCSAATC
	316.	TperMT3Sa	GGOF01037635	MPGGPCGANCNCEKCRCCSAAASKCTANCKCDTRCCQNRNQKQCNCGDCKCCSSAKC
	317.	TperMT3Sb	GGOF01118223	MPGGPCGANCNCEKCRCCSAAASKCSSGCKCDTRCCQNRNQKQCGDCKCCGAAC
Tetragnatha brevigatha	318.	TbreMT2	GITM01027747	MADAEKSCCAEPKECKDESCCEEKGKPGCHTEGKGCDTCHQKPCGCKSGEECKTSGSKCAC
Tetragnatha waikamoi	319.	TwaiMT3S	GITR01027595	MAGPCGANCTCEKCRCCSAAASKCTSGCKCESCSQQRNQKQCNCGDCKCCGGAQC
Thanatus bungei	320.	TbunMT3L	IALY01018183	MDSCGPNCKCKSKRCCDAAKQSAPSCCGASGKKSCDCTDCTCKSSSCEKEKSCGEGKCDNCKCC AASPCQTSNSSCGSSCKDVCTCCSAAKGGADCHGNCKCCSAASC
Tharpyna indica	321.	TindMT3L	IBFA01024184	MDKCGPNCKCTKCRCCDAAKSATPACCQVKKTKCGCDDCQCKTSGASDCGKGQCNCNCKCCSGATQK DSCGSNCKCDVCTCCSAAKDSGACHCGDCRCCSAAASC
Thomisus labefactus	322.	TlabMT2	IAWV01026404	MADVEKTSCTESKECKDESCENGQGECHTGKEECKDTCHKKACGCKADEECKCAEGKCAC
	323.	TlabMT3L	IAWV01002859	MDKCGPNCKCTKCRCCDAAKSATPACCQAAQKTDGCGDDCQCKSSSCGTQKADCGKGQCSCCKC CSAQKDSGGSNCKDVCTCCSAAKDSGACHCGDCRCCSAAASC
	324.	TlabMT3S	ICCK01008992	MPGGPCGSNCSCEKCRCCSAAASASASKGPNCRCDVCRCCNRGQNCRCGDCKCCGASKC
Thomisus okinawensis	325.	TokiMT2	ICDD01000078	MADVEKTSCTEPKECKDESCENGKGEGHTGKEECKDTCHKKACGCKADEECKCSEKGCAC
	326.	TokiMT3L	ICDD01018390	MDKCGPNCKCTKCRCCDAAKSATPACCQAAQKTDGCGEDCQCKSCGTQKADCGEGCPCSKCCST QKDSGGSNCKDVCTCCSAAKDSGACHCGDCRCCSAAASC

	327.	TokiMT3S	ICDD01032490	MPGGPCGANCSCEKCRCCSAAASASASKCGPNCRCDVCRCCNRGQNCRCGDCKCCGASKC
Tibellus fengi	328.	TfenMT2	IAVL01019861	MADVEKTTGCTEPKECCKDEACCENGQGACHDGKEECKDSCHKKACGCKAGEDCKCSSDGKCAC
	329.	TfenMT3L	IAVL01011395	MDRCGPNCCKSKCRCCDAATQSAPSCCGASGKKSCDCTDCACCKSSSCEKQKSCGEGKCDNCKCC SASACQTSKSSCGPSCKDVCTCCSAAKGEADCHCGNCKCCSAASC
	330.	TfenMT3S	IAVL01031865	MPGGPCGANCTCEKCRCCSAAASKCGANCKCDNCRCCSRGQNCRCGDCKCCGAAKC
Tmarus angulatus	331.	TangMT2	IBHB01033618	MADVEKTSCTEPKECCKDESCQNGQGECHTGKAECKDTCQKKACGCKADEECKCSEGKCAC
	332.	TangMT3L	IBHB01010593	MDKCGPNCKCTKCRCCDAAKSPGCCQAATKCGCDDCQCKSGAQKSDCSKGCQCNCCKCSKQKDS CGSNCKCDVCTCCSAAKDSGACHCGDCRCCSAASC
	333.	TangMT3S	IBHB01011973	MPGGPCGSNCTCEKCRCTAASKCPASCKCDTRCCQRSQKCHCGDCKCCGAAKC
Tmarus rimosus	334.	TrimMT2	IAWZ01003745	MADVEKTSCTEPKECCKDESCQNGQGEGHSGKEECKDTCHKKACGCKADEECKCSEGKCAC
	335.	TrimMT3La	IAVJ01015074	MDKCGPNCKCTKCRCCDAAKSPACQAAKKKCGCDDCQCKSGAQKVDGKGCECNCCKCSTQKDS CGSNCKCDVCTCCSAAKDSGACHCGDCRCCSAASC
	336.	TrimMT3Lb	IAWZ01003419	MEKNCGPNCKCTKCRCCDAAKGKDCGCENRCCDASSCKSGKSCGSGCDRDKCCSASSCCQTSSC CGSGCKCDKSCCAAAGKGTNCNGDCKCCSAAC
	337.	TrimMT3S	IAWZ01037322	MPGGPCGSNCSCEKCRCCSAAASASASRCGPNCCKDVCRCCNRGQNCRCGDCKCCGASKC
Trochosa aquatica	338.	TaquMT2	IBZV01030133	MADVEKTSCTESKECCKDESCENGQGACHTGKEECKDSCHKKACGCKAGEDCKCSDGKCGC
	339.	TaquMT3L	IASZ01035477	MDKCGANCKCTKCRCCDAAKDTTPACCQAAAKTTGCDDCSCCSSGCCCEQKTSKGKGCQCSCKCCS SQKNTCGSSCKCDVSCCSAAKSGDCHCGNCKCCSTACC
	340.	TaquMT3Sa	IASZ01021367	MPCGTGCPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRCGDCKCCGAAKC
	341.	TaquMT3Sb	IBZV01027233	MPGGPCGPNCSCCEKCRCCSAAASSGGRCPNCRCDVCRCCNRGQNCRCGDCKCCGASKC
Trochosa terricola	342.	TterMT2	IBIR01014579	MADVEKTSCTEPKECCKDESCENGQGTCHTGKEECKDSCHKKACGCKAGEDCKCSDGKCAC
	343.	TterMT3La	IBIR01022592	MDKCGPNCKCTKCRCCDSAKQASPCCTGGKKADCGCDDCRCCSSSPCATQKSCGKGCQC GDCKCCS SSPCQSAKSSCGSNCKCDVCTCCSAAKGGGDCHCGDCKCCGAAVC
	344.	TterMT3Lb	IBIR01015641	MDKCGANCKCTKCRCCDAAKESTPACCQAAAKTTGCDDCSCCSSGCCCEQKASGKGCQCSCKCCS PASSQKNTCGSSCKCDVSCCSAAKSGDCHCGNCKCCSTACC
	345.	TterMT3S	IBIR01028004	MPGGPCGSNCTCEKCRCCSAAASKSDGKCDNCKCCQRGQAKCHCGDCKCCGAAKC
Uloborus diversus	346.	UdivMT2	GJZJ01180553	MADVEKKACCAEPKECCKDESCQDGKGACHTEKEGCADSCQKPKPCGCKAGEDCKCKDGKCAC
	347.	UdivMT3S	GJZJ01032433	MPGGPCGANCTCEKCRCCGAAAKCSASCKCETRCQQRGQNCRCGDCKCCGAAKC

	Vulsor sp.	348.	VspMT2	ICOO01003872	MADVEKTSCTEAEKCKDESCCENGQGACHTGKEECKDTCHHKACGCKAGEDCKCSDGKCAC
		349.	VspMT3L	ICOO01039941	MERKCGPNCKCTKCRCCDSGKQAAPPCTAAAKKAACGDDCTCCKSSSCGAQKSCGKGCQCGDCKCCSSSACQTSKSGSCGSSCQCDVCTCCSAKGGGDCHCGDCKCCSSAVC
	Xysticus insulicola	350.	XinsMT3L	IAFS01028859	MDKCGPNCKCTKCRCCDAKSVTPACQASAKKTNGCDDCQCKSSSCGTQKSDCGKGCQCNCCKCSGGTQKDSCGSNCKCDVCTCCSAAKDSGACHCGDCRCCSAASC
	Xysticus transversomaculatus	351.	XtraMT3S	IAPE01005889	MPCGTCGPNCTCEKCRCCGAAAPKCSANCNCGDCKCCGRTSANCRGDCCKCCGAAC
	Zelotes asiaticus	352.	ZasiMT2	IAGO01029205	MADVEKTSCTEQKCKDESCCENGQGACHTGKEECKDSCHHKACGCKGGEDCKCTDGKCGC
		353.	ZasiMT3L	IAGO01012009	MEKCGPNCTCANCRCCEAAGAAPSCCTAASKCSCADCSCCRSAPCCASKKSCGKGCQCGDCKCCSSSACQTGKSCCGSDCNCTVCRCCSAKSGGDCRCGDCCKCCSSASC
Mesothelae suborder					
	Heptathela helios	354.	HhelMT2	IAMB01023112	MADTEKTACCTAEKCKDSSCCEEGKGKECCDNNPDCKDGAALKPCGCKEGEECKCKEGKAC
		355.	HhelMT3L	IAMB01018332	MADKCGPNCKCQKCRCCDASVKAQAAGCCGGKSCTCEKQCCSSAGCGAAKSCGSNCTCDDCRCCSEAQCAQKCGSGCTCDVCRCCSASRGQGRQCQGDCRCCSSASC
		356.	HhelMT3Sa	IAMB01031069	MPGPCGQNCTCERCRCCTAATKCSSGCRCDTCRCCTRGQKCTCGDCKCCGAAC
		357.	HhelMT3Sb	IAMB01033754	MPGPCGQNCTCERCRCCTAATKCSSGCRCDTCRCCTRGQKCNCGDCKCCGAAC
	Liphistius murphyorum	358.	LmurMT2	ICAH01033317	MADAEKTACCTADKECKDSSCCEEGKGKECCDNNPDCKEGAALKPCGCKEGEECKCQEGKAC
		359.	LmurMT3L	ICAH01020478	MAGKCGPNCKCEKCRCCDASGPASAKAQAGCCGGSSCSAQCCCTSAAGCAATASCGPSCTCDACKCCSEAQCGQKCGSGCTCDVCRCCSASRGQGRQCQGDCRCCSSASC
		360.	LmurMT3S	ICAH01016204	MPGPCGQNCTCERCRCCTAATKCSAGCRCDTCRCCTRGQKCNCGDCKCCGAAC
	Ryuthela nishihirai	361.	RnisMT2a	IAQS01038821	MADTEKTACCTAEKCKDSSCCEEGKGKECCDNNPDCKDGAALKPCGCKEGEECKCQEGKAC
		362.	RnisMT2b	IAIP01007631	MADTETTACCTAEKQCKDSSCCEQKGKECCDNNPDCKDGAALKPSGCKEGEECKSQEGKAC
		363.	RnisMT3L	IAIP01006156	MAGKCGPNCKCEKCRCCDASGKAQAAGCCRGESCTCEKQCCSSAGCGAATKNCGPNCTCDDCRCCSEAQCAQKCGAGCTCDVCRCCSASKGQGRNCNGDCRCCSSASC
		364.	RnisMT3Sa	IAIP01026854	MPGPCGPNCTCDKCRCTAATKCEGCKCDTCRCCERGQKQCGDCKCCGAAC
		365.	RnisMT3Sb	IAQS01029875	MPGPCGQNCTCDRCRCCSAATKCSSGCRCDTCRCCTRSQKCNCGDCKCCGAAC
		366.	RnisMT3Sc	IAQS01006286	MPGPCGQNCTCERCRCCTAATKCSAGCRCDTCRCCTRGQKCNCGNCKCCGAAC
Mygalomorphae suborder					

Antrodiaetus roretzi	367.	ArorMT2	IBPI01014909	MADVEKSKCCSPEKECKENECTAEGTECCHKDSDGCKDGAVQKKPCGCKVGEDCKCKEGKCAC
	368.	ArorMT3L	IBPI01012923	MESKCGPNCECTECGCCAALSSATKDCCGSQCTCEAGKCECCDTTKCCGEGVQCSCEDCQCCSSAGC GKKQSGPCCACDDCNCCSSAACISSRRCGSGCQCDDCSCCPAAHGQGTCECGDKCCSTASC
	369.	ArorMT3Sa	IBPI01004899	MPGPCGQNCTFDRCLAAATGCSGGCRCENCRCCTRGRQKCNVDCCKCCGAAC
	370.	ArorMT3Sb	IBPI01005671	MPGPCGQNCTCERCRCCTAATRCSSGRCRCETCRCCTRGRQKCNCGDCKCCGAAC
Calommata signata	371.	CsigMT2	IBXS01010418	MADVEKNTCCSPEKECKENECTAEGKECCHGDETECKDGAAQKKPCGCKQGEDCKCQDGKCAC
	372.	CsigMT3L	IBXS01029286	MEGKCGSQCQCTECCGALSSASKGCCGDQCCCEAGKCQCDDTAQSCGGAIEKACSDCQCCSSSG CHKQEAAARCGPSCDCCNCCGTAACQTSSRCGSGCQAGDCSCCPAAHGQGACTCGDKCCSSA
	373.	CsigMT3S	IBXS01007514	MPGPSGPNCSERCSCCAAATRCSSGRCRCETCRCCSRGRCNCGDCKCCGAAC
Conothele fragaria	374.	CfraMT2	IAVG01026659	MADVEKTSCTTEEDCCKGGDCTTEGKDCSKEHDCCKDGSATKPCGCKQGEDCKCKDGKCGC
	375.	CfraMT3Sa	IAVG01019714	MPGPCGQNCNCQQRCTAATKCSDGRCRCETCRCCTRSQRCNCGDCKCCGAAC
	376.	CfraMT3Sb	IAVG01034978	MPGPCGQNCNCERCRCCTAAAKCSEGCRCRCETCRCCTRSQKCNCGDCRCCGAAC
Macrothele gigas	377.	MgigMT2	IAEV01010058	MADVEKTACCTTEEDCCKGSECTTEGKDCSKEHDCCKDGSATKPCGCKKGEDCKCQEGKCAC
	378.	MgigMT3Sa	IAEV010076969	MPGPCGQNCNCGQGRCCTAAVRCTDGCRCETCRCCSRSQKCNCGDCRCCGAAC
	379.	MgigMT3Sb	IAEV01004369	MPGPCGQNCNCERCRCCTAASKCTADRCRCETCRCCSRSQKCECGDCKCCGAAC
Rhianodes atratus	380.	RatrMT2a	GIXJ01248059	MADVEKTSCTTETKECKDESCCENGQGACHTGKEECKDSCHKKPCGCKAGEDCKCSDGKCGC
	381.	RatrMT2b	GIXJ01248060	MADVEKTSCTTEPKECKDESCCENGQGSCHTGKEECKDTCHKKACGCKAGEDCKCSEKGCAC
	382.	RatrMT3Sa	GIXJ01115636	MPGPCGQNCNCERCRCCTAATRCSDGRCRCETCRCCTRSQKCNCGDCRCCGAAC
	383.	RatrMT3Sb	GIXJ01115623	MPGPCGPNCGDQRCCTAATKCSAGRCRCETCRCCTRSQRCNCGDCRCCGAAC

Ixodida order

Amblyomma americanum	384.	AameMT1	GAGD01006548	MDRACKGDPKCTCTTECKCGTGGCPCDKCKK
Dermacentor variabilis	385.	DvarMT1a	GGQS01008255	MDKPACKGDPKCVCTTQCKCATGGCPCDRCKK
	386.	DvarMT1b	GGQS01015897	MERACKGDPKCVCTTQCKCASGGCPCGKCKK

<i>Hyalomma dromedarii</i>	387.	HdroMT1	GFGI01011981	MDRSCKCGDPKCVCTTQCKCASGGCPCGKCKK
<i>Ixodes holocyclus</i>	388.	IholMT1a	GIBQ01032995	MDRACKCGDPKCTCTTSCKCASGECPCDKCKPQSPKRACCK
	389.	IholMT1b	GIBQ01041329	MDRACKCGDPKCICTTTCKCASGECPCDKCKHKSPKRACCK
<i>Ixodes persulcatus</i>	390.	IperMT1a	GBXQ01027128	MDRACKCGDPKCTCTTSCKCPDGDPCDKCKAKSPSK
	391.	IperMT1b	GBXQ01027126	MDRACKCGDPKCTCTTSCKCPNGDCPCDKCKTKSPAK
<i>Ixodes ricinus</i>	392.	IricMT1a	GIDG01028662	MDRACKCGDPKCTCTTSCKCADGDCPCDKCKAKSPSK
	393.	IricMT1b	GIDG01001147	MDRDCKCGDPKCICTDSCKCAAGECPCDKCKPKSAEKKCCC
<i>Ixodes scapularis</i>	394.	IscaMT1a	GGIX01090004	MDPVCKCGDPKCTCTTSCKCPGGDCPCDKCKTKSPAK
	395.	IscaMT1b	GGIX01470521	MDRVCKCGDPKCTCTTSCKCPDGDPCDKCKAKSPSK
<i>Ornithodoros erraticus</i>	396.	OerrMT1	GFVV01004713	MDRACKCGDPKCTCTTECKCGTGGCPCTKCKK
<i>Rhipicephalus annulatus</i>	397.	RannMT1a	GBJT01020093	MNKPPCKCGDPKCVCTTQCKCATGGCPCDRCKK
	398.	RannMT1b	GBJS01007861	MDRACKCGDPKCICTTQCKCSTGGCPCDKCKK
<i>Rhipicephalus appendiculatus</i>	399.	RappMT1a	GEFI01043136	MDKPPCKCGDPKCVCTTQCKCASGGCPCGRCKK
	400.	RappMT1b	GEFJ01061002	MDRACKCGDPKCSTTQCKCSTGGCPCDKCKK
<i>Rhipicephalus bursa</i>	401.	RburMT1	GFZJ01015271	MDRACKCGDPKCICTTQCKCSTGGCPCDKCKK
<i>Rhipicephalus haemaphysaloides</i>	402.	RhaeMT1	GIJA01013269	MDRACKCGDPKCVCTTQCKCSTGGCPCGKCKK
<i>Rhipicephalus microplus</i>	403.	RmicMT1a	GIZL01038324	MDKPPCKCGDPKCVCTTQCKCATGGCPCDRCKK
	404.	RmicMT1b	GIZL01194700	MDRACKCGDPKCICTTQCKCSTGGCPCDKCKK
<i>Rhipicephalus pulchellus</i>	405.	RpulMT1	GACK01009326	MDRACKCGDPRCVCTTQCKCSTGGCPCDKCKK
<i>Rhipicephalus sanguineus</i>	406.	RsanMT1	GINV01000976	MDKPACKCGDPKCVCTTQCKCATGGCPCDRCKK
<i>Rhipicephalus zambeziensis</i>	407.	RzamMT1a	GFPF01021474	MDKPPCKCGDPKCVCTTQCKCASGGCPCGRCKK

408.	RzamMT1b	GFPF01017025	MDRACKCGDPKCTCTTQCKCSTGGCPCDKCKK
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Opilioacarida order

Neocarus sp.	409.	NespMT1	SRA	MPDTACKCGDPKCTCTTECKCASGGCPCDKCKKAPVCKCKEGGSCSDPCTCK
	410.	NespMT2	SRA	MSTKEACCGGAGETPECKDTCCKDGKQSCCENKGEQGCGGKDSACCGGKQDEQKGCCHDSAKV EAS
Opilioacaridae gen. Sp.	411.	OpspMT1	SRA	MPDPACKCGDPKCNCTSECKCATGGCPCDKCKKPACNCKDGGNCSCNPCLCK
	412.	OpspMT2	SRA	MSSNQGSCCAAGGDNADCKEAECKKDGGKACCDGKDEQCCGKDSTCCGKQDQKQSCGGDGKCKA NAS
Opilioacarus texanus	413.	OtexMT1	SRA	MPDTACKCGDPKCTCTTECKCASGGCPCDKCKKAPVCKCKEGGSCSDPCTCK
	414.	OtexMT2	SRA	MSTKEACCGGAGETPDCCCKSDCCKDGKQSCCDNKGDQGCCGKDSACCGEKQGGGEQKGCCHDSAK AEAS

Opiliones order

Aoraki longitarsa	415.	AlonMT1	SRA	MPDPACSCDDECTCGTDCKCGAECKCEKCKGSAKCNCKNGGECTCTTCTCK
Brasilogovea microphaga	416.	BmicMT1	SRA	MPGPGCNCGDECKCGSDCKCGSDCKDKCKGTDKQCTGNADCQCXKCTCK
Egaenus convexus	417.	EconMT1	GERV01018384	MPDECKCKKDGGKCTCQGECKCGEGCACDCCKTTAECKCEKCTCDPCSCCK
Hesperonemastoma modestum	418.	HmodMT1	SRA	MSDPCSCLEGEECTCGTDCKCGADCAKECKSAAQATENLTCAKCSAEPCSC
Neopurcellia salmoni	419.	NsalMT1	SRA	MPDPACSCGDECTCGSDCKCGADCKCETCKGSTPKCNCTSGGECTCTNCDCK
Phalangium opilio	420.	PopiMT1a	SRA	MPGPGCSCGEECKCGSDCKCGSDCKDKCKGSAKQCTGAADCTCAKCSCK
	421.	PopiMT1b	GDAO01000195	MPDSCKCKQDGKCTCEGECKCGESCKDCCKTTAECKCEKCTCDPCSCCK
	422.	PopiMT1c	SRA	MPDSCKCKEAGKCTCQPECKCGPECKDCCKTTAACKCETCTCDPCTCK
Rakaia magna australis	423.	RmagMT1	SRA	MPDPACNCGDECSCGQDCKCGADCKCEKCKGSAAKCDCTNGGECTCTNCTCK

Palpigradi order

Eukoenenia hansenii	424.	EhanMT1	SRA	MDPACECAAETCACGDDCKCGDSCTCAVCAKKTSGGEQQAASECDTSQN
	425.	EhanMT2	SRA	MADACCEGSRQTDCCCKEDQCGTGNGAEHGCCDNEAEACKDTHSTKDKCPCLKDGECKCENGKPCPS

	Eukoenenia spelaea	426.	EspeMT1	SRA	MDPCECADETCACGKDCKCGDSCKCAVCAKKTGGEQAAEVDTSQ
		427.	EspeMT2	SRA	MADTGAPCCDGAIQTECKDDDCGKNGADHGCCDKDAEGCKDSCHTTVKCQCCKEKECKCQSEKCPC
	Prokoenenia wheeleri	428.	PwheMT1	SRA	MDPACECAAETCACGNDCKCGDACTCAVCAKKTSGGEQQTASECDTSQNN
		429.	PwheMT2	SRA	MADACCETATKTDCCCKDDCGTNGAEHGCCENEAGEACKDTCHTTKEKCACCKDGECKCESGKCPC
Pseudoscorpiones order					
	Chelifer cancroides	430.	CcanMT2	GDAK01000210	MADSEKHCETDCCKDSKECCDTGKADCCKDGEKCGGTGKDSKECKCKSGEKCTCEAGKCPC
	Conicochernes crassus	431.	CcraMT2	SRA	MADTEKSHCETADCCCKDGKKDCCETKACCNNGTADCCDSKTADCSSTNKECKCKSGEKCTCEAGKCAC
	Parachelifer persimilis	432.	PperMT2	SRA	MADVQPTCDTTKECKDKAECCDTGDKECKTDSKPTESNDCKCKTTGEPCKCEPGKCAC
	Parahya submersa	433.	PsubMT2a	SRA	MADVENQTCETSKDDCKEKGSCDIKASGDCKDSKECHTQSDGSCKDKDCGCKTGGDCKCESGKCPC
	Synsphyronus apimelus	434.	SapiMT2	SRA	MADVEKKCCDSAAADCKEKGECESGKDCCDNSCCNNKAECCADKECKCKSGEKCTCEPGKCPC
Ricinulei order					
	Cryptocellus becki	435.	CbecMT1	SRA	MPDPACCTEGKCNCGEDCKCGPNCKCPKCHKADCKCLEGGSCDCNPCKACKK
		436.	CbecMT2	SRA	MADSAKSCCATSADKDCCRDKDCCKEGSDECCETKGKGCCGTGCCDAKDGDCSTGKDCKCQGGQC PCK
	Pseudocellus sp.	437.	PsspMT1	SRA	MPDPACCSEGKCNCGEECKCGPNCKCPKCHKADCKCLEGGSCDCNPCKACKK
		438.	PsspMT2	SRA	MADAETACCTADKECKDSSCCEEGKGKECCDNNPDCKEGAALKPCGCKEKEECKCQEGKCAC
	Ricinoides atewa	439.	RateMT1	SRA	MPDPACCGEGKCNCGDECKCGPNCKCPKCHKGDCKCIETGSCDCNPCECKK
		440.	RateMT2	SRA	MADSAKSCCASSADKDCKDKDCKKDGSDDCCDGKGEGCCDSGTGCCSGKEGDCCSGGKDCKCKGG KCCK
	Ricinoides karschii	441.	RkarMT1	SRA	MPDPACCSEGKCSGEECKCGSNCKCPKCHKADCKCIETGSCDCNPCECKK
		442.	RkarMT2	SRA	MADSAKSCCASSDDKDCKDKDCKKDGSDDCCDGKGEGCCDTGTGCCSGKEGDCCGGKDCKCKGGK CCK
Schizomida order					
	Draculoides vinei	443.	DvinMT1a	SRA	MPDPCKCGDADCTCKEGCKCPEGECSCSTCKKCQCPEGKDCTCEACDCKK

	444.	DvinMT1b	SRA	MPDPCKCGDSKCTCGSECKCPSGDCKCSKCKSCKCKSGEKCTCESCSCK
<i>Stenochrus portoricensis</i>	445.	SporMT1	SRA	MPDPCKCGDPKCNCGTECKCPSGDCKCSKCKSASSCKCKSGEKCTCDSCSCK
<i>Stenochrus</i> sp.	446.	StspMT1	SRA	MPDPCKCGDPKCNCGTECKCPSGDCKCSKCKSASSCKCKSGEKCTCDSCSCK

Scorpiones order

<i>Centruroides noxius</i>	447.	CnoxMT1	SRA	MPDPACKCGDSKCNCTKCTCSSGGCKCDKCHCKCKEGGSCSCSSCSCK
	448.	CnoxMT2part	SRA	CCHAADPCCDREKECCGGDSCRCPGRCPCCK
<i>Chiromachus ochropus</i>	449.	CochMT1	SRA	MPDPACNCGDSGCTCTTSCQASKGCKCSKCTCQCKEGGSCSCSPCTCKIGRAHV
	450.	CochMT2	SRA	MSDKKACDDDLKSKDCCKDDECKDGGDCGDHKSDDCCPDKAPCCTDKKECCGGDACKCPGGKCPCK
<i>Euscorpius italicus</i>	451.	EitaMT1	GKBM01037803	MPDPACKCGDSQCTCTSSCTCASGGCKCSKCGCKCKQGGSCSCSPCNCK
	452.	EitaMT2	GKBM01029239	MSDKKACDDINSKDCCKEENCCKDGGNCGDHKSDDCCPDKTPCCTDKKECCGGDACKCPGGKCPCK
<i>Hadogenes paucidens</i>	453.	HpauMT1	SRA	MPDPACKCGDSNCTCTSSCECASGGCKCSKCAKCKKEGGSCACNPCNCK
	454.	HpauMT2	SRA	MSDKKACDDIKSKDCCKDDNCKKEGGDCGDHKSDDCCPDKAPCCTDKSECCGGDACKCPGGKCPCK
<i>Hormiops davidovi</i>	455.	HdavMT1	SRA	MPDPACKCGDSNCSSSCGCASGECKCSKCAKCKKEGGSCSCSPCNCK
	456.	HdavMT2	SRA	MSDKKGCCDDINAKDCCKDDNCKDGGNCGDHKSDDCCPDKNACCTDKKECCGGDSCKCPSGKCPCK
<i>Opisthacanthus asper</i>	457.	OaspMT1	SRA	MPDPACGCSDSACTCTSSCKCASNGCKCSKCTCQCKEGGSCSCNPCTCK
	458.	OaspMT2	SRA	MSDKKDCCDDLKSKDCCKDDECKDGGDCGDHKSDDCCPDKTPCCTDKKECCGGDACKCPGGKCPCK
<i>Palaeocheiloctonus pauliani</i>	459.	PpauMT1	SRA	MPDPACNCGDSSCTCTTSCQASGGCKCSKCTCKCKEGGSCSCSPCTCK
	460.	PpauMT2	SRA	MSDKKACDDDLKSKDCCKDDECKDGGDCGDHKSDDCCPDKAPCCTDKKECCGGDACKCPGGKCPCK
<i>Tityus serrulatus</i>	461.	TserMT1	GBZU01013840	MPDPACKCGDSKCTCQTKCTCSSGGCKCDKCHCKCKEGGSCSCTSCNCK
	462.	TserMT2	SRA	MSDSKGCCDDVKDCCGDRDGCKEEGKCSGAEGTECCHAADPCCDREKECCGGDACRCPEGRCPCCK

Solifugae order

Eremobates sp.	463.	EspMT1	SRA	MADPACQCGEDSCTCGADCKCSAGDCKCTKCQPKQCKCTEACSCNPSS
	464.	EspMT2	SRA	MADTEKGCCGDATEKDCKEADKCKDADCCSDKKDCKEGSTCCAENNCECKDGKCNCDSSKSCCK
Galeodes sp.	465.	GaspMT1	SRA	MPDPTCKCQEDSCTCGSDCKCTASECKCTKCQPKQSKCSGSCSCPPASS
	466.	GaspMT2	SRA	MADTEKACCGDSKDCKEKEKCKDADCCSDKKDCKEGSTCCAENNCNCKDGQCNCNESSKACCK
Gluvia dorsalis	467.	GdorMT1	GDAP01009971	MADPDCQCGEDTCTCGSDCKCSSGGCKCTKCRPKARCTDDHAEETSPSSS
	468.	GdorMT2	GDAP01015962	MADSEKKCCGEATKDCKEKGDKRCKDTTDCDKKECKEGDACC GGKQADCKDGNKCDSSKGCKCK
Solpugema sp.	469.	SspMT1	SRA	MADPACQCGEDSCTCGPDCKCTSGECKCTKCQPKQACQCTESHGEESCPOSS
	470.	SspMT2	SRA	MADSEKKCCGDSTDCKEKEKCKDADCCSDKKDCKEGDACC GGKQADCKDGNKCDSSKGCKCK

Uropygi order

Mastigoproctus giganteus	471.	MgigMT1	SRA	MPDPACKCGDANCTCQESCKEEGACTCSKCPKSKSPDDKEDGEAAKK
	472.	MgigMT2	SRA	MSDAGKTKDCCDTGKECKDKTCCEDGNTIQCCDKKGEKCCND DASCADKKDCCAGNCNCEKGKCA CK
Mastigoproctus lacandonensis	473.	MLacMT1		MPDPACKCGDANCTCQETCKEEGACTCSKCPKSTSPDDKEDSEDKK
	474.	MLacMT2	SRA	MSDAGKTKDCCDTGKECKDKACCEDGSTIQCCDKKGEKCCSD DASCCTGKKDXCGXNCNCEKGKCA K

*MT sequences were retrieved from NCBI databases (their accession numbers are provided) or reconstructed from raw sequence data obtained from the Sequence Read Archive (SRA).