Table S1. Genbank accession numbers of *Mesobuthus* scorpion and outgroup sequences.

Speices	Label	Locality	mtCOI	PK	Spn2	STE	References
M.caucasicus	Mca	Uzbekistan		AJ605475	AJ606702	AJ605781	1
	McaKZa1	Kazakhstan	AJ550692				2
	McaKZb1	Kazakhstan	AJ550693				2
	McaKZc1	Kazakhstan	AJ783602				3
	McaTJd2	Tajikistan	AJ783605				3
	McaTUc1	Turkmenistan	AJ783607				3
	McaTUe1	Turkmenistan	AJ783609				3
	McaTUg1	Turkmenistan	AJ783612				3
	McaTUm1	Turkmenistan	AJ783513				3
	McaTUn1	Turkmenistan	AJ783514				3
	McaTUo1	Turkmenistan	AJ783515				3
	McaUZa1	Uzbekistan	AJ550694				2
	McaUZc1	Uzbekistan	AJ550696				2
	McaUZe2	Uzbekistan	AJ783517				3
	McaUZg1	Uzbekistan	AJ783520				3
	McaUZh1	Uzbekistan	AJ783521				3
	McaUZj1	Uzbekistan	AJ783513				3
M.cyprius	McyCY1a	Cyprus		AJ605476	AJ606703	AJ605782	1
	McyCY1d	Cyprus		AJ605479	AJ606706	AJ605785	1
	McyCY2b	Cyprus		AJ605481	AJ606708	AJ605787	1
	McyCYa1	Cyprus	AJ550698				2
	McyCYb1	Cyprus	AJ550699				2
M.eupeus	MeuCN01	China	KC142025				This study
	MeuCN02	China	KC142026				This study
	MeuCN03	China	KC142027				This study
	MeuCN04	China	KC142028				This study
	MeuCN05	China	KC142029				This study
	MeuCN06	China	KC142030				This study
	MeuCN07	China	KC142031				This study
	MeuCN08	China	KC142032				This study
	MeuCN09	China	KC142033				This study
	MeuCN10	China	KC142034				This study
	MeuCN11	China	KC142035				This study
	MeuCN12	China	KC142036				This study
	MeuCN13	China	KC142037				This study
	MeuCN14	China	KC142038				This study
	MeuCN15	China	KC142039				This study
	MeuCN16	China	KC142040				This study
	MeuMN01	Mongolia	KC142041				This study
	MeuTJ01	Tajikistan	KC142042				This study
	MeuI	China		KC165704	KC165722	KC165740	This study
	MeuII	China		KC165705	KC165723	KC165741	This study

	MeuIII	China		KC165706	KC165724	KC165742	This study
	MeuIV	China		KC165707	KC165725	KC165743	This study
	MeuV	China		KC165708	KC165726	KC165744	This study
	MeuIR1001	Iran	HM567371				4
	MeuIR1039	Iran	HM567377				4
	MeuIR1051	Iran	HN537358				4
	MeuIR1057	Iran	HM567366				4
	MeuIR1107	Iran	HM567379				4
	MeuIR1112	Iran	HN567380				4
	MeuIR1119	Iran	HM567337				4
	MeuIR1120	Iran	HM567336				4
	MeuIR1124	Iran	HM567339				4
	MeuIR1132	Iran	HM567381				4
	MeuIR1134	Iran	HM567382				4
	MeuIR1135	Iran	HM567369				4
	MeuIR1138	Iran	HN567370				4
	MeuIR1147	Iran	HM567392				4
	MeuIR1164	Iran	HM567389				4
	MeuIR8691	Iran	HM567344				4
	MeuKZa1	Kazakhstan	AJ550704				2
	MeuKZb1	Kazakhstan	AJ550705				2
	MeuKZf1	Kazakhstan	AJ783577				3
	MeuTRa1	Turkey	AJ550701				2
	MeuTU1a	Turkmenistan	AJ550707				2
	MeuTUp1	Turkmenistan	AJ783592				3
	MeuUZa1	Uzbekistan	AJ550708				2
M.gibbosus	MgiCAa	Turkey	AJ783459				3
	MgiCA1a	Turkey		AJ605485	AJ606732	AJ605811	1
	MgiCR1a	Greece		AJ605489	AJ606776	AJ605855	1
	MgiFO1a	Greece		AJ605502	AJ606804	AJ605883	1
	MgiGRa1	Greece	AJ550710				2
	MgiGRb1	Greece	AJ550711				2
	MgiIK1a	Greece		AJ605504	AJ606806	AJ605885	1
	MgiIKa	Greece	AJ783473				3
	MgiKO1a	Greece		AJ605509	AJ606811	AJ605890	1
	MgiKOa	Greece	AJ783476				3
	MgiRH1a	Greece		AJ605353	AJ606819	AJ605898	1
	MgiRHa1	Greece	AJ783483				3
	MgiTRa1	Turkey	AJ550712				2
	MgiWA1a	Turkey		AJ605365	AJ606830	AJ605909	1
	MgiWAc	Turkey	AJ783495				3
M. martensii	MmaCN01	China	KC141981				This study
	MmaCN02	China	KC141982				This study
	MmaCN03	China	KC141983				This study

MmaCN04	China	KC141984				This study
MmaCN05	China	KC141985				This study
MmaCN06	China	KC141986				This study
MmaCN07	China	KC141987				This study
MmaCN08	China	KC141988				This study
MmaCN09	China	KC141989				This study
MmaCN10	China	KC141990				This study
MmaCN11	China	KC141991				This study
MmaCN12	China	KC141992				This study
MmaCN13	China	KC141993				This study
MmaCN14	China	KC141994				This study
MmaCN15	China	KC141995				This study
MmaCN16	China	KC141996				This study
MmaCN17	China	KC141997				This study
MmaCN18	China	KC141998				This study
MmaCN19	China	KC141999				This study
MmaCN20	China	KC142000				This study
MmaCN21	China	KC142001				This study
MmaCN22	China	KC142002				This study
MmaCN23	China	KC142003				This study
MmaCN24	China	KC142004				This study
MmaCN25	China	KC142005				This study
MmaCN26	China	KC142006				This study
MmaCN27	China	KC142007				This study
MmaCN28	China	KC142008				This study
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MmaCN31	China	KC142011				This study
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MmaCN33	China	KC142013				This study
MmaCN34	China	KC142014				This study
MmaCN35	China	KC142015				This study
MmaCN36	China	KC142016				This study
MmaCN37	China	KC142017				This study
MmaCN38	China	KC142018				This study
MmaCN39	China	KC142019				This study
MmaCN40	China	KC142020				This study
MmaCN41	China	KC142021				This study
MmaCN42	China	KC142022				This study
MmaCN43	China	KC142023				This study
MmaCN44	China	KC142024				This study
MmaI	China		KC165691	KC165709	KC165727	This study
MmaII	China		KC165692	KC165710	KC165728	This study
MmaIII	China		KC165693	KC165711	KC165729	This study

	MmaIV	China		KC165694	KC165712	KC165730	This study
	MmaV	China		KC165695	KC165713	KC165731	This study
	MmaVI	China		KC165696	KC165714	KC165732	This study
	MmaVII	China		KC165697	KC165715	KC165733	This study
	MmaVIII	China		KC165698	KC165716	KC165734	This study
	MmaIX	China		KC165699	KC165717	KC165735	This study
	MmaX	China		KC165700	KC165718	KC165736	This study
	MmaXI	China		KC165701	KC165719	KC165737	This study
	MmaXII	China		KC165702	KC165720	KC165738	This study
	MmaXIII	China		KC165703	KC165721	KC165739	This study
	MmaMtNC	S. Korea		DQ340065			5
Buthus occitanus	BocMt	Outgroup	EU523755				6
Buthus ibericus	BibSc158	Outgroup	GQ168540				7
Buthus sp.	BspSc095	Outgroup	GQ168521				7
Androctonus australis	Aau	Outgroup	AF370829				8

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