

Figure S1, Sharma et al.

<i>Drosophila melanogaster</i>	EESEIAEVLY	KQDVDLGFSL	DQEAIINASY	ASGNSAATNV	KSKPEDETKS	SDPSISESSG
<i>Tribolium castaneum</i>	MDMDLIEVLW	KQDVDLGFSL	D-----	-----	-----	---VANGKAD
<i>Parhyale hawaiiensis</i>	-----	-----	-----	-----	-----	-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	-----	-----	-----	-----	-----	-----
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----
<i>Drosophila melanogaster</i>	FKDIDVNAEN	EASAASVDDI	EKLKALEELQ	QDKDKNNENQ	LEDITNEWNG	IPFTIDNETG
<i>Tribolium castaneum</i>	KPDADLQNGS	PSSSISMEND	EIEKLKTLKA	INDDNIKEEP	ENELADPWAG	FNYTIDTETG
<i>Parhyale hawaiiensis</i>	-----	-----	-----	-----	-----	-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	-----	-----	-----	-----	-----	-----
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----
<i>Drosophila melanogaster</i>	EYIRLPLDEL	LNDVLKLSF	PLQDDLSNDP	VASTSQAAAA	FNENQAQRIV	SETGEDLLSG
<i>Tribolium castaneum</i>	EYVV-----	-----	-----KAEEL	SESLTGADCG	PSCDLPGLDL	SLPLPEFLLD
<i>Parhyale hawaiiensis</i>	-----	-----	-----	-----	-----	-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	-----	-----	-----	-----	-----	-----
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----
<i>Drosophila melanogaster</i>	EGISSKQNRN	EAKNKDNDPE	KADGDSFSVS	DFEELQNSVG	SPLFDLDEDA	KKELDEMLQS
<i>Tribolium castaneum</i>	EALRLVELDD	TPQEAINVKE	LENLAEGTNE	TEPSTSAPKA	SETPSSSKDS	DDDLSILTDM
<i>Parhyale hawaiiensis</i>	-----	-----	-----	-----	-----	-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	-----	-----	-----	-----	-----	-----
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----
<i>Drosophila melanogaster</i>	AVPSYHHHPH	HHGHPHAHPH	SHHHASMHHA	HAHHAAAAAA	AHQRAVQQAN	YGGGVGVGVG
<i>Tribolium castaneum</i>	IQTSQFHHPH	HRAFAQGRMP	-----	-----	-----	-----
<i>Parhyale hawaiiensis</i>	-----	-----	-----	-----	-----	-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	-----	-----	-----	-----	-----	-----
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----
<i>Drosophila melanogaster</i>	VGVGVGSGTG	SAFORQPAAG	GFHHGHHQGR	MPRLNRSVSM	ERLQDFATYF	SPIPSMVGGV
<i>Tribolium castaneum</i>	-----	-----	-----	---FVRTVSM	EQRWQDLANL	LSLPSPGDTG
<i>Parhyale hawaiiensis</i>	-----	-----	-----	-----	-----	-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	-----	-----	-----	-----	-----	-----
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----
<i>Drosophila melanogaster</i>	SDMSPYPHHY	PGYSYOASPS	NGAPGTPGOH	GOYGSGANAT	LQPPPPPPPP	HHAAMLHHPN
<i>Tribolium castaneum</i>	GMPHPFSHHH	PLHNYSHPHA	HG-----	-----MA	YSPEATRGVL	LHNATLTPPM
<i>Parhyale hawaiiensis</i>	-----	-----	-----	-----	-----	-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	-----	-----	-----	-----	-----	-----
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----
<i>Drosophila melanogaster</i>	AALGDI CPTG	OPHYGHNLGS	AVTSSMHLTN	SSHEADGAAA	AAAAYKVEHD	LMYYGNTSSD
<i>Tribolium castaneum</i>	GDINATVPYN	NIGGTNLGNA	VATSMNLTNS	SEPMGEPNSA	PHYKLEPSHD	MMYYQNSTTE
<i>Parhyale hawaiiensis</i>	-----	-----	---MFGKR	YFQDGAPPVP	PHHAGSNSSS	LV-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	-----	-----	-----	-----	-----	-----
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----
<i>Drosophila melanogaster</i>	INQTDGFINS	IFTDEDLHLM	DMNESFCRMV	DNSTSNNSVV	LGLPSSGHVS	NGSGSSAQLG
<i>Tribolium castaneum</i>	LNQTDGFLSS	FLNDEDLQLM	DMAMNEGMYT	MRMLDSNNAV	SNLSMNGATG	TTTSLG----
<i>Parhyale hawaiiensis</i>	-----	-----	-----	-----	-----	-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	-----	-----	-----	-----	-----	-----
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----

<i>Drosophila melanogaster</i>	AGNPHGNOAN	GASGGVGSMS	GSAVGAGATG	MTADLLASGG	AGAOGGADRL	DASSDSAVSS
<i>Tribolium castaneum</i>	-----	-----	-----	-----	---RTDVERM	DTSSDSAVSS
<i>Parhyale hawaiiensis</i>	-----	-----	-----	-----	-----	-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	-----	-----	-----	-----	-----	-----MTYQG
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----

<i>Drosophila melanogaster</i>	MGSERVPSLS	DGEWGE GSDS	AQDYHQGKYG	GPYDFSYN	-----	---NNSRLSTA
<i>Tribolium castaneum</i>	MGSERVPSLS	DGEWCDGGSD	SGHTAGDHVY	TDYHOTKYRP	YDYSYTSROH	ASALAAASDA
<i>Parhyale hawaiiensis</i>	-----	-----	-----	-----	-----	-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	IERNWNSRTN	DGGTGTSSDS	SASYSGMNYG	ASYNEKKY	-----	-----
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----

<i>Drosophila melanogaster</i>	TRQPPVAQKK	HQLYGKRDPH	KQTPSALPPT	APPAAATAVQ	SQSIKYEYDA	GYASSGMASG
<i>Tribolium castaneum</i>	TRMPPVAQKK	HQMF GKRYLQ	EQGATSAVSH	QPPVKYEYRD	PTAAPYNSSQ	-----
<i>Parhyale hawaiiensis</i>	-----	-----	---GSSAAHY	APAGAAAYLQ	PTSAMDTTPA	-----
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	-----	---NPS	DGNSNDYSSD	SGCGKNNYQQ	SDR	-----
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----

<i>Drosophila melanogaster</i>	GISEPGAMGP	ALSKDYHHHQ	PYMGASGSA	FSGDYTVRPS	PRTSQDLVQL	NHTYSLP---
<i>Tribolium castaneum</i>	---PEGAVGP	KPSE	---MKYSCSMEF	GRHSHLVRN	---SLDHIQH	NHTYHLP---T
<i>Parhyale hawaiiensis</i>	---PPPHM-P	DPME	---LKYSCSMDF	---RGHHEVPP	---SLDHIHH	NHTYHMS---P
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	---TPGTLYR	SSTS	---FLEGASNSY	OKAETSTSR	---SLNAFLH	NHTYPTHEYHN
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----

<i>Drosophila melanogaster</i>	QSGSGLPRPQ	ARDKKPLVAT	KTASKGASAG	NSSSVGGNSS	NLEEEHLTRD	EKRARSLNIP
<i>Tribolium castaneum</i>	ESTGAMQRPV	SRDK	---TKSKKG	-----	---DEEHLTRD	EKRARALNVP
<i>Parhyale hawaiiensis</i>	EGPSGLPRPS	QRDP	---SKHKAR	-----K	AEPERALTRD	EKRARALNLP
<i>Glomeris marginata</i>	-----	-----	-----	-----	-----	-----
<i>Phalangium opilio</i>	EDSSNDSPPF	DRDK	---KDNETKY	RRKTTTESLD	GSEGYYSRRD	EKRARDLNLP
<i>Centruroides sculpturatus</i>	---MCTKQKPV	IRDK	---DYSDE	-----	---ASRD	ERRARMLKIP

<i>Drosophila melanogaster</i>	ISVPDIINLP	MDEFNERLSK	YDLSENQLSL	IRDIRRRGKN	KVAAQNCRRK	KLDQILTLED
<i>Tribolium castaneum</i>	ITVDDIINLP	MDEFNERLSK	YDLSEPQLSL	IRDIRRRGKN	KVAAQNCRRK	KLDQILSLAD
<i>Parhyale hawaiiensis</i>	ISCDDIINLP	MDEFNERISK	YDLTEPQLSL	IRDIRRRGKN	KVAAQNCRRK	KLDQILHLAE
<i>Glomeris marginata</i>	-----	---RLSK	YDLTEPQLAL	IRDIRRRGKN	KVAAQNCRRK	KLDQILVLAD
<i>Phalangium opilio</i>	LTAIEITTLTP	IDEFNERLSK	YELTDEQLTL	IRDIRRRGKN	KIAAQNCRRK	KMDQIFELQQ
<i>Centruroides sculpturatus</i>	ISNEDI IHLTP	IDEFNERLSK	YELKEEQAL	IKDIRRRGKN	KVAAQNCRRK	KIGQIMNLQE

<i>Drosophila melanogaster</i>	EVNAVVKRKT	QLNQDRDHLE	SERKRISNKF	AMLHRHVFOY	LRDPEGNP-C	SPADYSLOQA
<i>Tribolium castaneum</i>	EVKDMRDRKM	RLMNEHEYVT	GECORMKDKY	QQLYRHVFQ	LRDPDGNQ-Y	SPYQYSLQTS
<i>Parhyale hawaiiensis</i>	EVKVIQSRKS	ELISQYEYLS	GERLRIKHKF	SLLYRHIFQH	LRDSDGQP-Y	SPHEYNLQOS
<i>Glomeris marginata</i>	EVTNMQSEKD	QLLSEQQSMM	AERQRLKDKF	AQLYRHVFQ	LRDPDGNP-Y	SPYEYSLQQA
<i>Phalangium opilio</i>	TLEDLELERE	KLTNEQS FVS	RRRDFLOTKE	NKLYRYICDM	SPGPPDPPGY	FPNQSSEGR
<i>Centruroides sculpturatus</i>	ELQSLLEEKA	SLQAEQEQML	S	---YRR	-----	-----

<i>Drosophila melanogaster</i>	ADGSVYLLPR	EK	---SEGNN	TATAASNAVS	SASGGSLNGH	VPTQAPMHSH
<i>Tribolium castaneum</i>	ADGSILVVPR	SN	---STMTN	PE	-----	---HKEPPPPQGH
<i>Parhyale hawaiiensis</i>	ADGSVLLVPK	SAPHIPLDPG	LPPLPSNAND	PEEDSSNS	---R	PPHQPPHQHH
<i>Glomeris marginata</i>	ADGNILLVPH	NA	---TNGME	LD	-----	---PSKGAKNKR
<i>Phalangium opilio</i>	PTNNFPMVNN	ST	---SFSNH	HENAAENN	-----	---SHGGARVKR
<i>Centruroides sculpturatus</i>	-----	-----	-----	-----	-----	-----

<i>Drosophila melanogaster</i>	QSHGMO
<i>Tribolium castaneum</i>	KD
<i>Parhyale hawaiiensis</i>	TPH
<i>Glomeris marginata</i>	RDDGKK
<i>Phalangium opilio</i>	KINKNN
<i>Centruroides sculpturatus</i>	-----