

	10	20	30	40	50	60
U4-sparatoxin-Hdb 2/1-34	---	ERD	CRKFMGL	CKSDDD	CCPHLM	CYKYGWCGWDGS
U4-sparatoxin-Hdb 6/1-46	DLGDALFSAEDQQNLQERD	CRKFMGL	CKSDDD	CCPHLM	CYKYGWCG	---
U4-sparatoxin-Hdb 14/1-29	---	---	CIGHLDSCLTAS	CCPGYKC	KCDSIDCLCV	---
U4-sparatoxin-Hdb 13/1-32	---	---	DKWIFGS	CETSDV	CEGWV	SKGLCKYKLWR
U4-sparatoxin-Hdb 17/1-36	---	MNLHSTMFCLHS	CETEGE	CCDNWT	CHNGICKIKIIL	---
U4-sparatoxin-Hdb 16/1-37	---	GDDKEN	CKYWFDS	CETEGE	CCDNWT	CHNGICKIKIIL
U4-sparatoxin-Hdb 15/1-48	---	GDDKEN	CKYWFDS	CETEGE	CCDNWT	CHNGICKITVKAVVRSHKTWSKV
U4-theraphotoxin-Pf1/1-33	---	---	CRKFMGL	CKSDDD	CCPHLM	CYKYGWCGWDGSV
U4-theraphotoxin-Pf2/1-43	---	GDS	ENENLQERD	CRKFMGL	CKSDDD	CCPHLM
U4-theraphotoxin-Pf3/1-35	---	---	ECRWLFGG	CTKDAD	CKKHLG	CTRSYPQYCGWDLTV
U4-theraphotoxin-Pf4/1-35	---	---	ECRWLFGG	CTKDAD	CKKHLG	CTRSYPQYCGWDLTV
U4-theraphotoxin-Pf5/1-36	---	---	AECRWMFSG	CKEDSD	CKKHLG	CTRRAPQYCAWDGTV
U4-theraphotoxin-Pf6/1-36	---	---	AECRWMFSG	CKEDSD	CKKHLG	CTRRAPQYCAWDGTV
U4-theraphotoxin-Pf7/1-37	---	EVVLDSEQNRD	CTKLLGG	CKTDAE	CCPHLG	CKVMCSQ
U4-theraphotoxin-Pf8/1-37	---	---	DCTKLLGG	CKTDAE	CCPHLG	CKRKWPYHCGWDGSPDK
U4-theraphotoxin-Pf9/1-37	---	---	ECRQFWGW	CSRSDS	CKKHLG	CKRKWPNICLWDGFTTK
U4-theraphotoxin-Pf10/1-37	---	EMFSLIAEGVCW	VDKTGRVLTNHQGHNI	MLTFEIQS	---	---
U4-theraphotoxin-Pf11/1-39	---	---	KKECSQLLGS	CTKSDS	CCSPFS	CTPKWPRYCSWHSIFQI
U4-theraphotoxin-Pf12/1-39	---	---	---	GCKTDAE	CCPHLG	CRMGKFEAHWNITTCTTRSAPDSKSPS
U4-theraphotoxin-Pf13/1-34	---	---	ECRYWLGG	CEKTS	CCHELS	CSPKHGWCVWDWTF
U4-theraphotoxin-Pf14/1-36	---	---	DCKQLFGT	CKKDEE	CCHELG	CKKYGWCGWDGTFGR
U4-theraphotoxin-Pf15/1-36	---	---	ECRWYLGAC	CKKDS	CKKHLQ	CHSYVWGC IWDGTGGQ
U4-theraphotoxin-Pf16/1-36	---	---	ECRYWLGG	CEKTS	CCHELS	CSPKHGWCVWDWTFRK
U4-theraphotoxin-Pf17/1-37	---	---	MRCFSAMFSAEDQLSP	QEKGMSC	DISLYDSFFYHNLL	---
U4-theraphotoxin-Pf18/1-37	---	---	---	LCKSDDD	CCPHLM	CYKYGWCGWDGSVGGASALLLPNC
U4-theraphotoxin-Pf19/1-38	---	---	FSAEDQLSPQERE	CRYWLGG	CEKTS	CCHELS
U4-theraphotoxin-Pf20/1-41	---	---	ECRYFWGECNDKDLV	CCDYL	VCKYKWPLSYNICVWNRTFPG	---
U4-theraphotoxin-Pf21/1-31	---	---	NCAKEGEL	CGWGS	CCDLYC	CPAAVVAYCEP
U4-theraphotoxin-Pf22/1-34	---	---	CYASEVEELNLQDE	DCNIYSD	SCAGSVCRPFSWM	---
U4-theraphotoxin-Pf23/1-36	---	---	QEYVPETENCAKEGEL	CGWGS	CCDLYC	CPAALS DM
U4-theraphotoxin-Pf24/1-37	---	---	ESERASACAKEGEV	CGWGR	CCDLN	NYCPAG IVPFC
U4-theraphotoxin-Pf25/1-36	---	---	ECRYFWGQCGGQEGN	CCYV	CKKWPNIC IWDLTV	---
U4-theraphotoxin-Pf26/1-37	---	---	ECRYFWGQCGGQEGN	CCYV	CKKWPNIC IWDLTV	---
U4-theraphotoxin-Pf27/1-33	---	---	WYLGAC	CKKDS	CKKHLQ	CHSYWEWC IWDGKVTF
U4-theraphotoxin-Pf28/1-33	---	---	MCHNKEFMGL	CKSDDD	CCPHLM	CYKYGWCGWDG
U4-theraphotoxin-Pf29/1-34	---	---	CSRYFLGG	CTEHS	CCHELS	CKMGLNYCAWDGTF
U4-theraphotoxin-Pf30/1-34	---	---	---	GGCTEHS	CCHELS	CKMESQYKLF TMHCSICPEN
U4-theraphotoxin-Pf31/1-35	---	---	ECRWYLGAC	CKKDS	CKKHLQ	CHSYWEWC IWDGTIS
U4-theraphotoxin-Pf32/1-35	---	---	AGCRYFLGG	CTEHS	CCHELS	CKMGLNYCAWDGTF
U4-theraphotoxin-Pf33/1-39	---	---	IFECSLSD	IKKEGKAC	KGKG	EKKCGGWRCKMNF CLKF
U4-theraphotoxin-Pf34/1-39	---	---	IFGCTLSD	IKKEGKAC	KGKG	EKKCGGWRCKNF C IKF
U4-theraphotoxin-Pf35/1-42	---	---	CIGEGVPCDENDPR	CCSKLE	CLKPKGYGWWYKSYCYKKKSS	---
P61790_Omega-sparatoxin-Hv1b_Heteropoda_venatoria/1-36	---	AD	CGWLFHSC	ESNAD	CCENWAC	ATTGRFRYLCKYQI



