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1		A.vastus Avas.s014.g618.i1	MDVLRITILC	LTFTLVISRS	VSDEPKKQIT	KSYNHLFKIE	GETLNLWYFP
		O.minuta KAI6653225.1	MQIFHIFLAC	LVATLANCRP	ISDETAGN-I	EPHNHLITIH	DNQFNLWYFP
		R.fibulata TR13145_c0_g2_i1	MGILHIFLAC	LVATLANSRP	LSEENEQQ-I	ESYNRLIKVH	DNQYNLWYFP
		E.curvistellata LC010923.1	-----	-----	-----	-----	-----
		E.curvistellata BAS21353.1	-----	-----	-----	-----	-----
51		A.vastus Avas.s014.g618.i1	SOINSSNA--	PVIFWFGDG	ERSALVDVFT	QGGPYSTIEFT	E--NNYEKNR
		O.minuta KAI6653225.1	S--NSKDAAQ	KPLLWVFGDG	KTSALVDVFR	TGGPYELSFSA	-----
		R.fibulata TR13145_c0_g2_i1	S--NSKDAKP	KPLFVWFGDG	KASALVDSFA	SSGPYQLSFA	-----
		E.curvistellata LC010923.1	-----	-----	SDMFG	QGGPYELASD	ELQRHGHGHG
		E.curvistellata BAS21353.1	-----	-----	-----	-----	-----
101		Histidine-rich region - Repeat 1					
		A.vastus Avas.s014.g618.i1	PTPHPPHPPH	PHPHPKPSPC	CKCKCPSPCS	S-----DS	NDA-----Y
		O.minuta KAI6653225.1	-----SDDNI	SRHHPTSSPC	CKCNCPPCPT	APTHPDDVDR	HGH-----HH
		R.fibulata TR13145_c0_g2_i1	-----DHGH	HHHHPTPSPC	CKCICPPCPN	I-----SEIDR	HPHPHPHPHP
		E.curvistellata LC010923.1	HDHHDHHDH	DHGHDHGKHD	HHGKHGKHGK	H-----DH	HDH-----HH
		E.curvistellata BAS21353.1	-----	-----	-----	-----	-----DH-----HH
151		Proline-rich - Repeat 1			Threonine-rich region - Repeat 1		
		A.vastus Avas.s014.g618.i1	SOHKPRPPYC	PPCPSPASPSS	--SSATMSST	ISFSTTISTS	TSTMPAMPMT
		O.minuta KAI6653225.1	HHHHHPHPPHC	PPCPKPTPPI	-----PT	NSPINPSAPT	SSPATSSSTN
		R.fibulata TR13145_c0_g2_i1	PHPHPRPPFC	PPCPNPAPQT	TSSSSSRST	NPPAVSVTTT	NTAVSDRTTN
		E.curvistellata LC010923.1	SHAPSPPTA	PPHSHPLPPH	---THATVPHT	HATVPHTHAT	HTHHTHTTTPS
		E.curvistellata BAS21353.1	EHAPSPPTV	PPHTHPLPPH	---THATVPHT	HATVPHTHAT	HTHHTHTTTPS
201		Histidine-rich region - Repeat 2					
		A.vastus Avas.s014.g618.i1	PVILNPRDDL	-----	-----	SDFGHKHH	H-----
		O.minuta KAI6653225.1	TAAVDSSI	-----	-----	NNEDIIIIYHH	H-----
		R.fibulata TR13145_c0_g2_i1	TAVSDRTNTI	AVSDRTNTA	VIGTRPPTR	NNEDIIIIYH	-----
		E.curvistellata LC010923.1	PGFTGDEID	GQYELTS	DELQRPGH	GHHGHHDHHD	HDHHDHHDH
		E.curvistellata BAS21353.1	PGLFGDEI	-----	-----	OGHGNND	HG-----NHGNN
251		Proline-rich - Repeat 2					
		A.vastus Avas.s014.g618.i1	-----HHHHHH	HH-----HCC	PCPTSSSLP	FTSTQOPTPT	PSL-----SLVN
		O.minuta KAI6653225.1	-----KHHHHH	HH-----HCC	PCTNTTTPV	FTITHAGIPT	SST-----RSSSG
		R.fibulata TR13145_c0_g2_i1	-----KHHHHH	HN-----NCC	PCSSSSVVL	ATATPAPIPS	SSIMPSSSTA
		E.curvistellata LC010923.1	HDHGKHDHGG	KHGKHGKHHD	HDHHHSHAP	-----PS	PPT-----VP
		E.curvistellata BAS21353.1	HDHGNHDHGG	NN-----HVH	PDHHTTSGP	-----	-----
301		Threonine-rich region - Repeat 1					
		A.vastus Avas.s014.g618.i1	KHD-----SP	DSEIQSFELE	DAYES-----	VALLSNP	LSWTKFAHVV
		O.minuta KAI6653225.1	PSE-----KP	RPGPKHLSLD	MEYESNPVDE	QMRIEFTNINP	ESWNENANIV
		R.fibulata TR13145_c0_g2_i1	PSSPKLPPHP	KPGPKHESLD	LENDSSDEDE	O-----IETANP	DSWTGNANVV
		E.curvistellata LC010923.1	PHT-----HP	LPPHTHATVP	HTHATVPHTH	ATHHTHTHNT	ITWSLV-----
		E.curvistellata BAS21353.1	-----HP	HSPLDVIDLD	SADESNYEDE	P-----LEMFNP	ESWTKSVNVV
351		A.vastus Avas.s014.g618.i1	YFDFAAGFAM	QNSEELPIQC	VASKLCKMHP	TLFAHNLYFG	GKNFGSNIAA
		O.minuta KAI6653225.1	YLDFAAGYAR	PTSNDFFDFQI	LISEFCHLYP	SLTGSDDLGL	GKDMGAVVAA
		R.fibulata TR13145_c0_g2_i1	YFDVAGFAR	PSSNDFRFNS	VITELCKQFP	GLIGSGLYLG	GKDLGARLAV
		E.curvistellata LC010923.1	-----	-----	-----	-----	-----
		E.curvistellata BAS21353.1	YFDFAAGFAR	SASNSFDFAL	ITIEKLCLRLP	ELIGAEVYVG	GKNFGAYFAS
401		A.vastus Avas.s014.g618.i1	SLVENMOY-S	NFNDMNVKGL	VLSLFVPEDV	EKSEFTEDVE	FILNEPRFOK
		O.minuta KAI6653225.1	KAFAEIRA-S	NLTKLNLNGY	IFSLAPDEI	GTSELIDDVT	LVLNNEQYKQ
		R.fibulata TR13145_c0_g2_i1	EAFEEIRASS	NLTETNLKGF	LFSLFSPEDA	GRSELIEDIT	LILNNEQFKQ
		E.curvistellata LC010923.1	-----	-----	-----	-----	-----
		E.curvistellata BAS21353.1	LAFEDIRS-S	NETETITAKGF	ILSLAPEDN	DKYDSLEDIS	LIMNGEEFKT
451		A.vastus Avas.s014.g618.i1	ELGLP-SEVV	YPDFPESSSO	TQFSYELLIK	FVQKNVKESS	TIVYGRDISL
		O.minuta KAI6653225.1	QIGRENNEIW	YPYISNSLEN	DHFSYEQLLK	FTDENSCKFS	TVISGRDITV
		R.fibulata TR13145_c0_g2_i1	QLGRERDAIW	YPYVFNSLRN	DQFSYERILK	FAEKNSGKYT	SIITGRDISV
		E.curvistellata LC010923.1	-----	-----	-----	-----	-----
		E.curvistellata BAS21353.1	EFGLEDITDMW	DPYLFDFIFEQ	DQYTNDQLTA	FTENPAGKFS	TVIYGRDVT
501		A.vastus Avas.s014.g618.i1	NDLKSLID	-----	-----	-----	-----
		O.minuta KAI6653225.1	DDLQYLM	-----	-----	-----	-----
		R.fibulata TR13145_c0_g2_i1	GDLKRLTN	-----	-----	-----	-----
		E.curvistellata LC010923.1	-----	-----	-----	-----	-----
		E.curvistellata BAS21353.1	DDLKE--E	-----	-----	-----	-----