

Mtb	45	VAMVLTGCSASGTQLELAPTADRRRAAVGTTSDINQQDPATLQDGGNLRLLSLTDFPPNFNI	104
Msmeg	24	V M +T C++ + P+A A VG T+DIN QD A L+ GGNLRL+L FP NFN VTMAMTSCTS DERDI---PSAGGTAEVGATNDINPQDVANLRQGGNLRLLALPGFPSNFNT	80
Mtb	105	LHIDGNNAEVAAMMKATLPRAFIIGPDGSTTVDTNYFTSIELTRTAPQVVVYTYINPEAVW	164
Msmeg	81	LHIDGN A + +M+ATLPRA+ +GPDGSTTV+T+YFTS+ELT T PQVVVYTYINPEAVW LHIDGNEASLGGLMRATLPRA YRVGPDGSTTVNTDYFTSVELTSTDPQVVVYTYINPEAVW	140
Mtb	165	SDGTPITWRDIASQIHAISGADKA FEIASSSGAERVASVTRGVDDRQAVVTFAPYAEWR	224
Msmeg	141	+DGTPI TW DIA+QIHA SG DKAF+IAS +G++RVASVTRGVDDRQAVVTF A+P++EW+ TDGTPITWEDIAAQI HATSGKDKAFQIASLNGSDRVASVTRGVDDRQAVVTF AEPFSEWQ	200
Mtb	225	GMFAGNGMLLPASMTATPEAFNKGQLDGP GSAGPFVVSALDRTAQRIVLTRNPRWWGAR	284
Msmeg	201	GMFAGN MLLP S T+ PE FNKGQL+GPGPSAGPF+VS +DR AQRI LTRNP+WWG GMFAGNTMLPKSSTS DPEVFNKQLNGP GSAGPFMVSNVDRGAQRITLTRNPKWWGEP	260
Mtb	285	PRLDSITYLVLDDAARLPALQNN TIDATGVGTLDQLTIAARTKGISIRRAPGSPWYHFTL	344
Msmeg	261	P LDSITY VLDDAAR+PALQNN +DATGV +LD+L IA RT GLSIRRAP PSWYHFT PVLDSITYTVLDDAARIPALQNNALDATGVASLDELEIARRTPGISIRRAPSPWYHFTF	320
Mtb	345	NGAPGSILADKALRLAI AKGIDRYTIARVAQYGLTSDPVPLNNHVFVAGQDGYQDN SGVV	404
Msmeg	321	NGAPGSILADKALR A+AKGIDR I VAQ GL DP PLNNH+FVAGQ+GYQDNS VV NGAPGSILADKALRQAVAKGIDRNIITTV AQRLADDPKPLNNHIFVAGQEGYQDNSEVV	380
Mtb	405	AYNPEQAKRELDALGWR-RSGA-FREK DGRQLVIRDLFYDAQSTRQFAQIAQHTLAQIGV	462
Msmeg	381	A++PE+AK ELDALGW + GA FREKDG++L IRD+ YD+QSTRQ A IAQ++LAQIGV AFDPEKAKAELDALGWTLPKGAQFREKDGKRLTIRDLVLYDSQSTRQIATIAQNSLAQIGV	440
Mtb	463	KLELQAKSGSGFFSDYVNVGAFDIAQFGWVGDAFPLSSLTQIYASDGESNFGKIGSPQID	522
Msmeg	441	+L ++AK GSGFF+D++ G F D I A Q F W V G D A F L L Q I Y + D + S N F G + I S P ++ D ELRIEAKPGSGFFTDWIIPGNFDIAQFSWVGDAFSLCCLNQIYTTDADSNFGRISSPEVD	500
Mtb	523	AAIERTLAELDPGKARALANQVDELIWAEGFSLPLTQSPGTAVRSTLANFGATGLADLD	582
Msmeg	501	T+ ELDP KAR +AN++D+LIW E FSLPL QSPG VAVRS LAN+G G+ D+D TKAIATMGELDPEKARTMANELDKLIWEEVFS LPLFQSPGNVAVRSNLANYGPAGIGDID	560
Mtb	583	YTAIGFMR 590	
Msmeg	561	T +GFM+ ITKVGFMK 568	