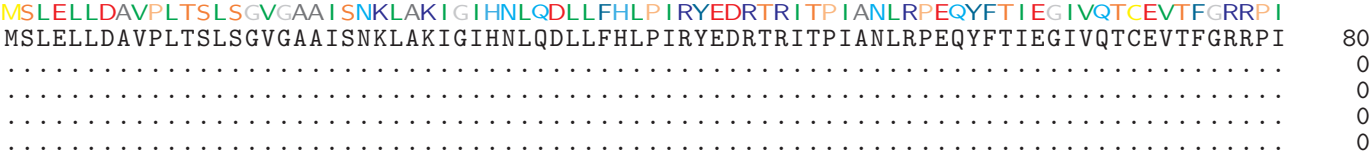


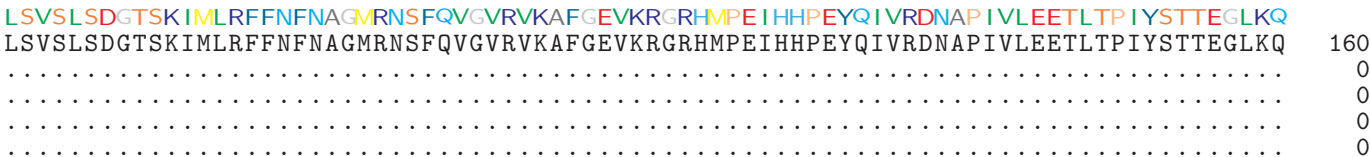
logo

NTDB id 123495 H733 RS03855 WP 038439634.1
NTDB id 1152 A1552VC RS00200 WP 000654772.1
NTDB id 1043 HON27 RS16615 WP 168727007.1
NTDB id 1073 ABD1 RS00865 WP 015451369.1
NTDB id 1021 ACIAD RS00975 WP 004930462.1
consensus



logo

NTDB id 123495 H733 RS03855 WP 038439634.1
NTDB id 1152 A1552VC RS00200 WP 000654772.1
NTDB id 1043 HON27 RS16615 WP 168727007.1
NTDB id 1073 ABD1 RS00865 WP 015451369.1
NTDB id 1021 ACIAD RS00975 WP 004930462.1
consensus



logo

NTDB id 123495 H733 RS03855 WP 038439634.1
NTDB id 1152 A1552VC RS00200 WP 000654772.1
NTDB id 1043 HON27 RS16615 WP 168727007.1
NTDB id 1073 ABD1 RS00865 WP 015451369.1
NTDB id 1021 ACIAD RS00975 WP 004930462.1
consensus



logo

NTDB id 123495 H733 RS03855 WP 038439634.1
NTDB id 1152 A1552VC RS00200 WP 000654772.1
NTDB id 1043 HON27 RS16615 WP 168727007.1
NTDB id 1073 ABD1 RS00865 WP 015451369.1
NTDB id 1021 ACIAD RS00975 WP 004930462.1
consensus



logo

NTDB id 123495 H733 RS03855 WP 038439634.1
NTDB id 1152 A1552VC RS00200 WP 000654772.1
NTDB id 1043 HON27 RS16615 WP 168727007.1
NTDB id 1073 ABD1 RS00865 WP 015451369.1
NTDB id 1021 ACIAD RS00975 WP 004930462.1
consensus



logo

NTDB id 123495 H733 RS03855 WP 038439634.1	TG	LDITYPQNKKLA	EHLAQNGAIIIEFLPGTTP	457
NTDB id 1152 A1552VC RS00200 WP 000654772.1	SHALFQEEVEFSDALALVI IDEQHRFGVHQRLMLREKGEKAGE	LAQVYPKQHQGLA	E.RITIAQ.GALVSEFAPHTTP	207
NTDB id 1043 HON27 RS16615 WP 168727007.1	SG	LDTTTPAQNKKLA	E.HILAKNGAIITEFLPGTTP	215
NTDB id 1073 ABD1 RS00865 WP 015451369.1	TG	LDTTTPAQNKKLA	E.YILAQNGAIIITEFLPGTTP	215
NTDB id 1021 ACIAD RS00975 WP 004930462.1	TG	LDLCYPSGNKALK	Q.HIRDQGGAIIVSEFLPGTTP	215
consensus	**	** !! ** *	* **** *****!***!!	

logo

NTDB id 123495 H733 RS03855 WP 038439634.1	IQHFPRRNRIYSGLSLGLVWEATLKSGSLITANKAAEQGKVF	FAIPGHIYSEFHQGC	HQLIREGAILYDHPEQII	508
NTDB id 1152 A1552VC RS00200 WP 000654772.1	ITTVVVSEER	AEIVMRVKNACVNEKRQAYWVCTLIDESEVLEAQAAEATW		284
NTDB id 1043 HON27 RS16615 WP 168727007.1	KADHFPRRNRIISGLSLGLVVEEAAEKSGSLITARYAAEQGREVFVPGSIFNAASQGS	..NQLIRQGACL	VQSVQIIH	292
NTDB id 1073 ABD1 RS00865 WP 015451369.1	LQQHFPNRNRIVSGLSLGLVVEATLKSGSLITANKAAEQGKT	VFAIPGHIYSEFHQGC	..HQLIREGAIL	292
NTDB id 1021 ACIAD RS00975 WP 004930462.1	LQAHFPRRNRIIVSGLSLGLVVEATLKSGSLITANKAAEQGKV	VFAIPGHIYSEFHQGC	..HQLIREGAIL	292
consensus	** *****!*****	!*****!	***!*****! *****!	

logo

NTDB id 123495 H733 RS03855 WP 038439634.1	EDLALPTQSSQGVQT	EEYNTNTPPEHLID	YQSLDWGQNI	DQLVHTQIPVS	ELTSSLME	LELLG	574
NTDB id 1152 A1552VC RS00200 WP 000654772.1	QELKNALTWSLSEQVPYQATLFSAVQ	.SDEELP	.FPELLANVGIEATPIDILASRTQIPVQ	..DIMQILLE	..LELLG		356
NTDB id 1043 HON27 RS16615 WP 168727007.1	EDLALPTQWQSSQGNQT	...EETNTNTPEIPEHLIDLYQSLDWVGQNI	DQLVHHNIPVS	..ELTSSLME	...LELLG		362
NTDB id 1073 ABD1 RS00865 WP 015451369.1	EDLALPTQWQSSQGNQT	...EEANTNTPEIREHLIDLYQSLDWVGQNI	DQLVHHNIPVS	..ELTSSLME	...LELLG		362
NTDB id 1021 ACIAD RS00975 WP 004930462.1	EDLALPTHWHSQSTASGEANAD	DSGKTDDADLPDLLPLYQLLDWQGGQ	LDQLAQHYQGSTA	..ELTAQLME	...LELLG		367
consensus	**!**** *	* **	* ** ***** **** *	***!*** *	*** *!***	*!***!	

logo

NTDB id 123495 H733 RS03855 WP 038439634.1	LSQLHQLRGRVGRG	STASF	CVLMYKPP	LGKVSQKRLQVLRDSQDGFVISEKDLEIRGPGEVLGTKQTGIAELRVANLMRD	654
NTDB id 1152 A1552VC RS00200 WP 000654772.1	HV	..AVPGGYIR	..KGRG	..	371
NTDB id 1043 HON27 RS16615 WP 168727007.1	LCM	..QQSGLYLR	..CRS	..	376
NTDB id 1073 ABD1 RS00865 WP 015451369.1	LCM	..QQSGLYLR	..CRS	..	376
NTDB id 1021 ACIAD RS00975 WP 004930462.1	VCI	..QQSGRYLR	..CRSPY	..	383
consensus	***	***! **!	***		

logo

NTDB id 123495 H733 RS03855 WP 038439634.1	RMIP	TVQFYAKSLIQKYPDLAESLIRRWLNNKEIYSNA	693
NTDB id 1152 A1552VC RS00200 WP 000654772.1	..	..	371
NTDB id 1043 HON27 RS16615 WP 168727007.1	..	..	376
NTDB id 1073 ABD1 RS00865 WP 015451369.1	..	..	376
NTDB id 1021 ACIAD RS00975 WP 004930462.1	..	..	383
consensus			

 non conserved
 similar
 $\geq 50\%$ conserved