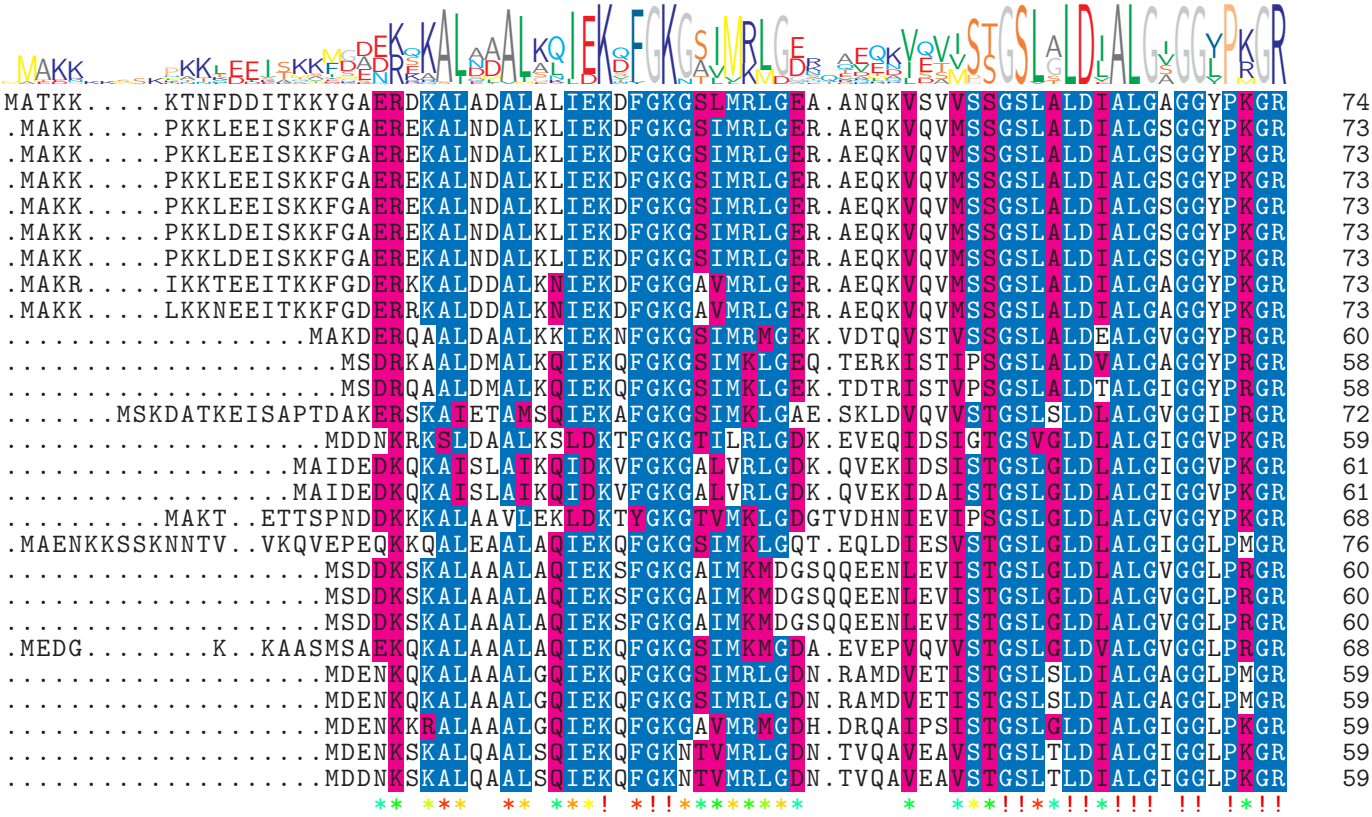


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NTDB id 1214 NCTC11637 00359 SQJ03206.1
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NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
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consensus



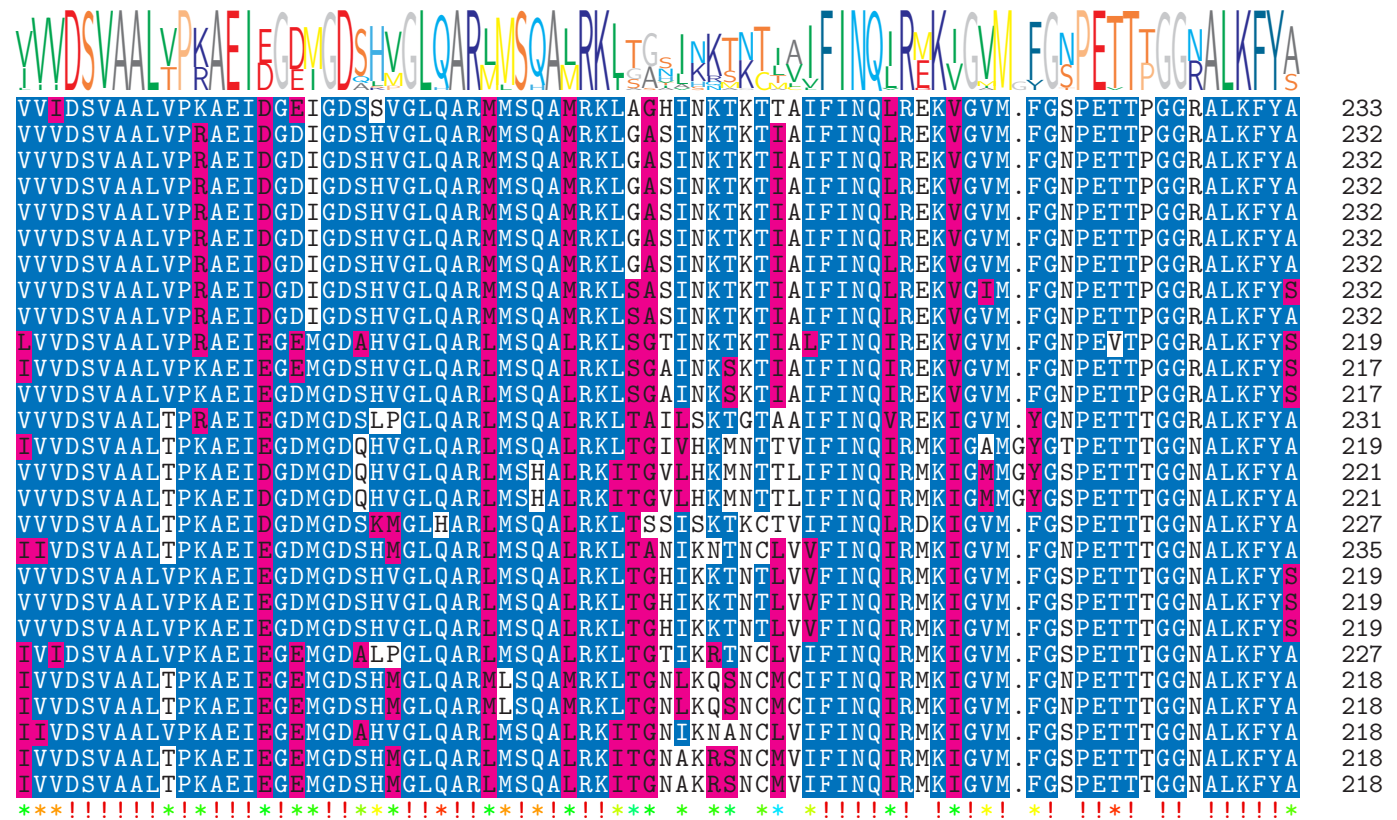
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consensus	*	*	!	*	*	!	!	!	!	!	!	*	!	*	!	*	*	!	*	*	!	*	*	!	*	*	!	*	*	!	*	*	!	!	*	*	!	!	*	*	!</																																								

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consensus

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logo

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NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIR	RCGV....V.KD	GDEI	IGSETK	VVVKNKV	APPFREV	QFDIM	YGEGIS	SRMNELL	ILAEANG	FIKKSG	AWFS	SYD	310
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIR	RRTGA....I.KE	GEEVL	VGNETR	IKVVKNK	IAAPFKE	ANTQIM	YGQGF	NREGEL	IDLGVK	HKMVEK	SGAW	SYN	293
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIR	RRTGA....V.KE	GDEV	VGSETR	VVVKNKV	APPFRQ	AEFQIL	YGKGI	YRNGEI	IDLGVQ	QGLVEK	SGAW	AYK	293
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIR	RRTGA....V.KE	GDEV	VGSETR	VVVKNKV	APPFRQ	AEFQIL	YGKGI	YRNGEI	IDLGVQ	QGLVEK	SGAW	AYK	293
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIR	RRTGA....V.KE	GDEV	VGSETR	VVVKNKV	APPFRQ	AEFQIL	YGKGI	YRNGEI	IDLGVQ	QGLVEK	SGAW	AYK	293
consensus	*!!***!*		*	**	*****!*****!*****!*	*	*****!*****!*****!*							

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NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 984409 MKY77 RS11105 WP 237662144.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
consensus

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Sequence	Score
DEKIGGGA ⁺ EA ⁺ KA ⁺ KN ⁺ YL ⁺ KE ⁺ HQ ⁺ DV ⁺ FD ⁺ EID ⁺ HK ⁺ VRAA ⁺ HC ⁺ LDDSEVAETEET ⁺ TASKTKAKAKKEEKAVETEEIELELED.....	387
DEKIGGGS ⁺ ENAK ⁺ KYLA ⁺ EHPE ⁺ IFD ⁺ EID ⁺ DK ⁺ QVRSKF ⁺ CLIDGEEVSEQD ⁺ TENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGGGS ⁺ ENAK ⁺ KYLA ⁺ EHPE ⁺ IFD ⁺ EID ⁺ DK ⁺ QVRSKF ⁺ CLIDGEEVSEQD ⁺ TENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGGGS ⁺ ENAK ⁺ KYLA ⁺ EHPE ⁺ IFD ⁺ EID ⁺ DK ⁺ QVRSKF ⁺ CLIDGEEVSEQD ⁺ TENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGGGS ⁺ ENAK ⁺ KYLA ⁺ EHPE ⁺ IFD ⁺ EID ⁺ DK ⁺ QVRSKF ⁺ CLIDGEEVSEQD ⁺ TENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGGGS ⁺ ENAK ⁺ KYLADN ⁺ PEVFAE ⁺ ID ⁺ HQ ⁺ VRVQF ⁺ CLIDGEEAAE....SKKDE....VAQVDS..VNEEVPLDLGDELEIE	381
DEKIGGGS ⁺ ENAK ⁺ KYLADN ⁺ PEIFD ⁺ EID ⁺ HQ ⁺ VRVQF ⁺ CLIDGEEIAE....SKKDE....AAQVDS..VNEEVTLDLGDELEIE	381
GEKIGGGS ⁺ ENAK ⁺ KFLADN ⁺ PEIFD ⁺ DD ⁺ ID ⁺ HK ⁺ VRVQY ⁺ CLIEEDNTEEKQSSKE.....ETDEK..ADKNLVLEDDTIEIE	382
GEKIGGGS ⁺ ENAK ⁺ KRYLAD ⁺ HQP ⁺ LFDE ⁺ ID ⁺ DK ⁺ VRVKF ⁺ CLLEESEEEESAMAVASE.....E.....TDDLALDLNNGIEIE	377
SERIGGG ⁺ RENAK ⁺ NYLAD ⁺ HEDVE ⁺ EVRLK ⁺ VRAAY ⁺ GISDVPPEEDLPTTED.EQI.....NILPDDSTEE.	355
EERLGGG ⁺ RENAK ⁺ QFLKEN ⁺ KDVL ⁺ KEI ⁺ HQ ⁺ QIR ⁺ DHHC ⁺ LDKEINAPAE ⁺ EEMDQEEL.....DF.....	346
EERLGGG ⁺ RENAK ⁺ QFLKEN ⁺ KD ⁺ IMLM ⁺ IQE ⁺ QIREHY ⁺ CLDNNGVVQQQA ⁺ EETQEEL.....EFEE.....	348
DERIGGG ⁺ EKTIAY ⁺ IAER ⁺ PEME ⁺ QEIR ⁺ DRVMAA ⁺ IRAGNAGEAPALAPAPAPEAAEA.....	363
DKKLGGG ⁺ RENSK ⁺ AF ⁺ LKEN ⁺ PEIA ⁺ DEIT ⁺ KAI ⁺ QNSM ⁺ CTEGM....ISGSEDDE..GEE.....	343
DKKLGGG ⁺ RENAK ⁺ ALLKED ⁺ KALADEIT ⁺ LK ⁺ IKESIG ⁺ SNEE....IMPLPDEP..LEEME.....	347
DKKLGGG ⁺ RENAK ⁺ ALLKED ⁺ KALADEIT ⁺ LK ⁺ IKESIG ⁺ SNEE....IMPLPDEP..LEEME.....	347
DTKLGGGRD ⁺ TVKEL ⁺ IKDN ⁺ PEIA ⁺ EELAK ⁺ IREKLQAK.....	343
GTKIGGK ⁺ NNAVK ⁺ WLKEN ⁺ PEIA ⁺ DK ⁺ LEQ ⁺ IRNTLA ⁺ SNPN....SVLKATASDSNDESD..VEEFSEEL.....	372
GAKIGGK ⁺ KDNVR ⁺ VWLKEN ⁺ PEIS ⁺ DEID ⁺ AK ⁺ IRALNG ⁺ VEMH....ITEGTQDET.....DGERPEE.....	348
GAKIGGK ⁺ KDNVR ⁺ VWLKEN ⁺ PEIS ⁺ DEID ⁺ AK ⁺ IRALNG ⁺ VEMH....ITEGTQDET.....DGERPEE.....	348
GAKIGGK ⁺ KDNVR ⁺ VWLKEN ⁺ PEIS ⁺ DEID ⁺ AK ⁺ IRALNG ⁺ VEMH....ITEGTQDET.....DGERPEE.....	348
GERIGGG ⁺ RDCREF ⁺ LRENA ⁺ EELARE ⁺ IE ⁺ KN ⁺ VRHL ⁺ CVTPM....GAVTLA.EVEEED.....	352
GDKIGGK ⁺ KANACK ⁺ YLKEN ⁺ PEIA ⁺ AK ⁺ TL ⁺ DKK ⁺ IREMLLN ⁺ PEN....MQLIAETSSAADDVE..FGAVPEEF.....	354
GDKIGGK ⁺ KANACK ⁺ YLKEN ⁺ PEIA ⁺ AK ⁺ TL ⁺ DKK ⁺ IREMLLN ⁺ PEN....MQLIAETSSAADDVE..FGAVPEEF.....	354
GSKIGGK ⁺ KANAACK ⁺ YLEN ⁺ PEI ⁺ GQ ⁺ EIE ⁺ QQI ⁺ RAKLL ⁺ VTSA....NTKATPVAEDLADAD....I.....	347
GNKIGGK ⁺ KNNVIR ⁺ YFEEN ⁺ NQIA ⁺ EIE ⁺ ERN ⁺ IREQLLT ⁺ TGT....NGAVQ.I.EDEEEDP....LLES.....	349
GNKIGGK ⁺ KNNVIR ⁺ YLEN ⁺ PEI ⁺ STEIE ⁺ AVI ⁺ REQLLT ⁺ TAS....DQTAA.HDETEEEDP....LLES.....	349

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		IEE	
NTDB id 600 KW2 RS01765 WP 011675413.1	...	387	
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388	
NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388	
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388	
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384	
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384	
NTDB id 408 SMU RS09530 WP 002262392.1	D..	383	
NTDB id 453 Spy49 1753c ACI62003.1	D..	378	
NTDB id 625 LCA RS02525 WP 011374196.1	...	355	
NTDB id 984409 MKY77 RS11105 WP 237662144.1	...	346	
NTDB id 115 BSU 16940 NP 389576.2	...	348	
NTDB id 1313 DR RS12030 WP 010888966.1	...	363	
NTDB id 1245 Cj1673c YP 002345041.1	...	343	
NTDB id 1211 C694 RS00795 WP 000963128.1	...	347	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	...	347	
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	...	354	
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NTDB id 1205 PSJM300 05545 AFN77183.1	...	347	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349	
consensus			

- X non conserved
- X similar
- X ≥ 50% conserved