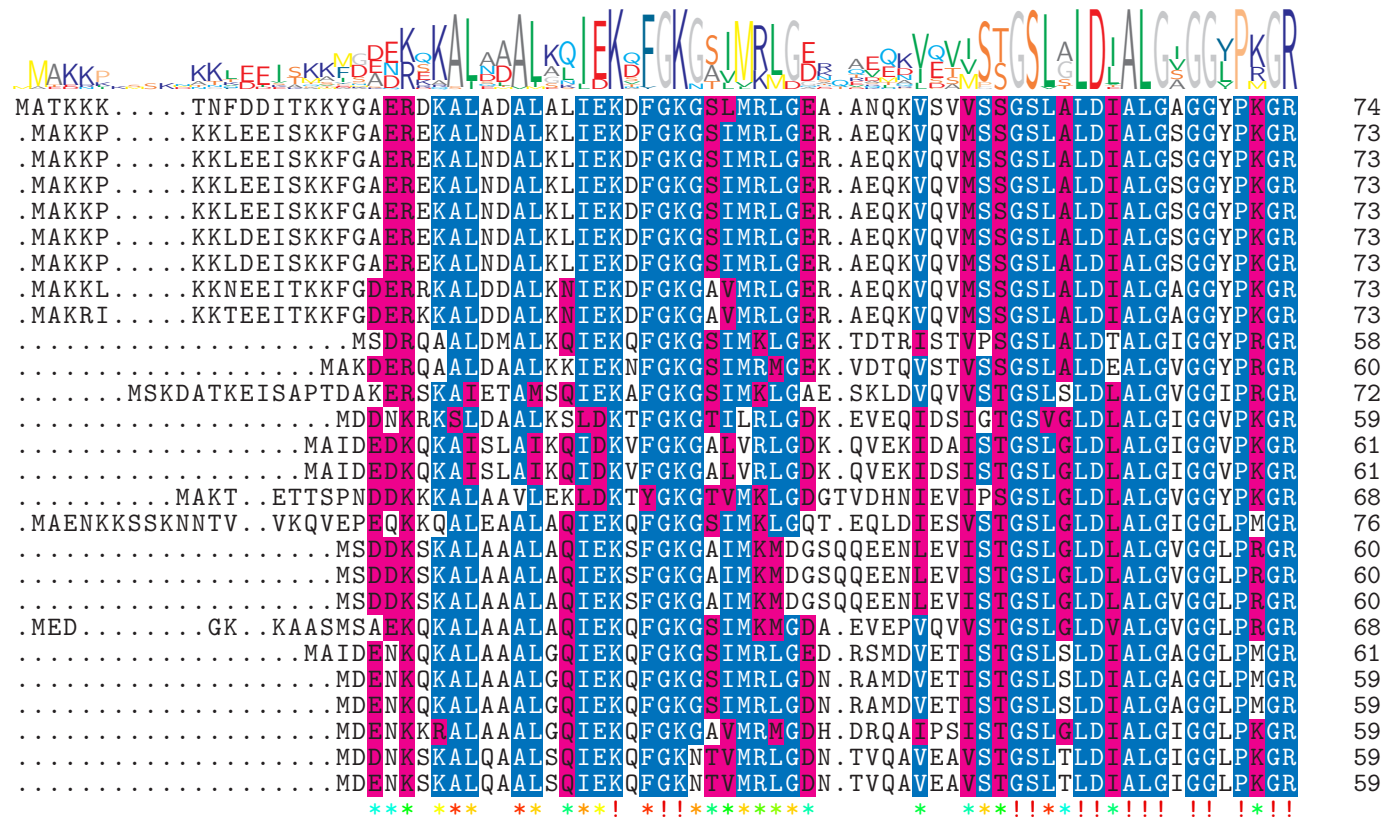


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NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
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NTDB id 527 SMSK321 RS11065 WP 001085454.1
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NTDB id 625 LCA RS02525 WP 011374196.1
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NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

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NTDB	id	600	KW2	RS01765	WP	011675413.1	VV	IDSVAAL	VP	KA	EID	GE	IGDSS	VGLQAR	MS	QAMR	KL	GA	CH	INKT	KT	TA	IFIN	QLRE	KV	GV	M	FG	SP	ETT	P	GG	RAL	KFY	A	233																												
NTDB	id	269	KZH43	RS08665	WP	001085462.1	VV	DSVAAL	VP	RA	EID	GD	IGDSH	VGLQAR	MS	QAMR	KL	GA	S	INKT	KT	TA	IFIN	QLRE	KV	GV	M	FG	N	P	ETT	P	GG	RAL	KFY	A	232																											
NTDB	id	228	SPD	RS09265	WP	001085462.1	VV	DSVAAL	VP	RA	EID	GD	IGDSH	VGLQAR	MS	QAMR	KL	GA	S	INKT	KT	TA	IFIN	QLRE	KV	GV	M	FG	N	P	ETT	P	GG	RAL	KFY	A	232																											
NTDB	id	194	SPR	RS08825	WP	001085462.1	VV	DSVAAL	VP	RA	EID	GD	IGDSH	VGLQAR	MS	QAMR	KL	GA	S	INKT	KT	TA	IFIN	QLRE	KV	GV	M	FG	N	P	ETT	P	GG	RAL	KFY	A	232																											
NTDB	id	159	SP	RS09750	WP	001085462.1	VV	DSVAAL	VP	RA	EID	GD	IGDSH	VGLQAR	MS	QAMR	KL	GA	S	INKT	KT	TA	IFIN	QLRE	KV	GV	M	FG	N	P	ETT	P	GG	RAL	KFY	A	232																											
NTDB	id	499	SM12261	RS08315	WP	078228268.1	VV	DSVAAL	VP	RA	EID	GD	IGDSH	VGLQAR	MS	QAMR	KL	GA	S	INKT	KT	TA	IFIN	QLRE	KV	GV	M	FG	N	P	ETT	P	GG	RAL	KFY	A	232																											
NTDB	id	527	SMSK321	RS11065	WP	001085454.1	VV	DSVAAL	VP	RA	EID	GD	IGDSH	VGLQAR	MS	QAMR	KL	GA	S	INKT	KT	TA	IFIN	QLRE	KV	GV	M	FG	N	P	ETT	P	GG	RAL	KFY	A	232																											
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NTDB	id	408	SMU	RS09530	WP	002262392.1	VV	DSVAAL	VP	RA	EID	GD	IGDSH	VGLQAR	MS	QAMR	KL	GA	S	INKT	KT	TA	IFIN	QLRE	KV	GV	M	FG	N	P	ETT	P	GG	RAL	KFY	S	232																											
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NTDB	id	1214	NCTC11637	00359	SQJ03206.1	VV	DSVAAL	T	PKA	EID	GE	MGD	Q	HVGL	QAR	LS	M	SHAL	R	K	I	T	G	V	L	H	K	M	N	T	T	L	I	F	I	N	Q	I	R	M	K	I	G	M	M	G	Y	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	221
NTDB	id	1211	C694	RS00795	WP	000963128.1	VV	DSVAAL	T	PKA	EID	GE	MGD	Q	HVGL	QAR	LS	M	SHAL	R	K	I	T	G	V	L	H	K																																				

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NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 0004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAETEEETT	ASKTKAKAKKKEEK	AVETEEIELELED		387
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE....PKKEEA..	VNEEVPLDLGDELEIE		385
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE....PKKEEA..	VNEEVPLDLGDELEIE		385
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE....PKKEEA..	VNEEVPLDLGDELEIE		385
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE....PKKEEA..	VNEEVPLDLGDELEIE		385
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYLADNPEIF	DEIDHQVRVQFGL	IDGEEIAES....	KKDE....AAQVDS..	VNEEVTLDLGDELEIE		381
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYLADNPEVFAE	IDHQVRVQFGL	IDGEEAAES....	KKDE....VAQVDS..	VNEEVTLDLGDELEIE		381
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEEEESAMAVASE	E.....	TDDLALDLDN	GIEIE	377
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEEKQSSKEK	ETDEK..	ADKNLVLELDD	TIELE	382
NTDB id 115 BSU 16940 NP 389576.2	EE	RLGQGREN	AKQFLKENKDIMLMIQE	QIREHYGLD	NNGVVQQQAEETQEEL	EFEE.....		348
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQGS	ENAKNYLADHEDVE	DEVRLKVR	AAYGISDVPEED	LPTTEDE.QI.NILPDD	ST.....EE.....		355
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQGS	KEKTIA	YIAERPEMEQEIR	DRVMAAIRAGNAGE	APALAPAPAAPEAA	EA.....		363
NTDB id 1245 Cj1673c YP 002345041.1	DK	KLGGGREN	SKAFLKENPEIA	DEITKAIQNSMG	TEGM.....ISG	SEDDEG.....EE.....		343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DK	KLGGGREN	AKALLKEDKALADE	ITLKI	KESIGSNEE....IMPLP	DEPL.....EE..ME.....		347
NTDB id 1211 C694 RS00795 WP 000963128.1	DK	KLGGGREN	AKALLKEDKALADE	ITLKI	KESIGSNEE....IMPLP	DEPL.....EE..ME.....		347
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	GT	KIGQGK	NNAVKWLKENPEIA	DKLEQEIRNTL	ASNPN.....SVLK	KATASDSN...DESDVEEF	SHEEL.....	372
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NTDB id 1427 RS RS02760 WP 011000510.1	GE	RIGQGRD	NCREFLRENAELARE	EIENKVREHLGV	TPM.....GAV	TLAE.EVE...ED.....		352
NTDB id 298155 DOE62 RS05485 WP 000963150.1	GEKIGQGS	KANATTWLKENPATAKE	EIEKRVRELLLSNQN	ATPDFAVD....	DSEGVAETNEDF			353
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GD	KIGQGS	KANACKYLLKENPEIA	AKTLDKKLREMLLN	PNEN....MQLIAETSSAA	...DDVEFGAVPEEF		354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GD	KIGQGS	KANACKYLLKENPEIA	AKTLDKKLREMLLN	PNEN....MQLIAETSSAA	...DDVEFGAVPEEF		354
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGS	KANAACKYLEENPEIG	QIEEQIRAKLL	VTSA.....NTKATP	V	AEDL...ADADI.....		347
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GN	KIGQGS	KNNVIRYLEENPQISTE	IEAVIREQLLTKAS	DQTAA.HDETE...EEP	DLLES.....		349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GN	KIGQGS	KNNVIRYFEENNQIAE	EIERNIREQLLTTGT	NGAVQ.I.EDE...EEP	DLLES.....		349
consensus		***!!!*~***~**~***~***~**~**~						

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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387	
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NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388	
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388	
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349	
consensus			

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