

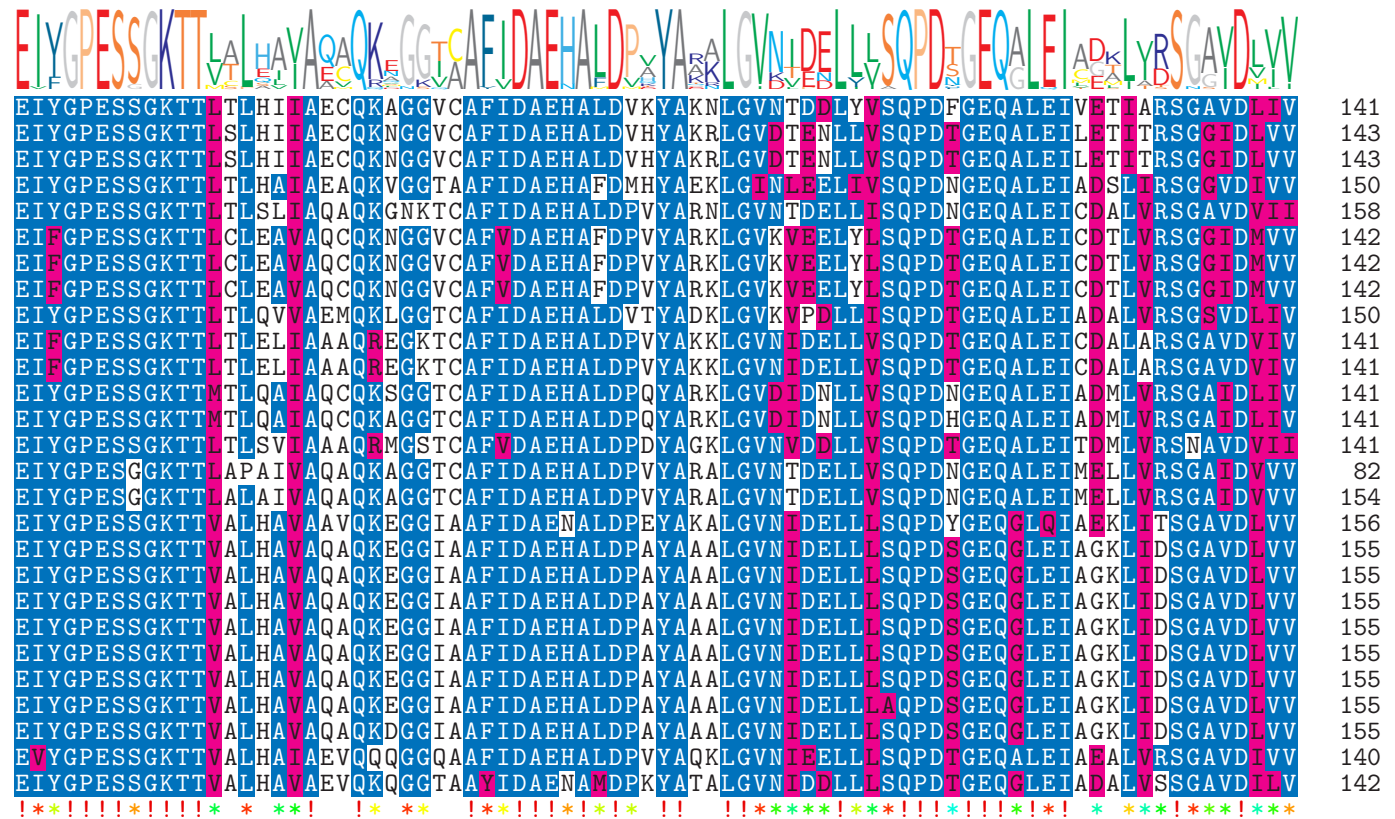
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NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKTETT	SPND	DKK	KALAAVLEK	LDKT	YGKG	TVMK	LGD	GTVDHN	IEV	IPSG	LGLD	LALGV	GGYP	PKGRIV		70				
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NTDB id 1130 NGFG RS03960 WP 003688695.1	MSD	DKS	KALAA	AALQ	IEKS	FGKG	AIMK	MDGS	QQUEEN	LEV	ISTGS	LGLD	LALGV	GGLP	PRGRIV		62				
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSD	DKS	KALAA	AALQ	IEKS	FGKG	AIMK	MDGS	QQUEEN	LEV	ISTGS	LGLD	LALGV	GGLP	PRGRIV		62				
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSD	DKS	KALAA	AALQ	IEKS	FGKG	AIMK	MDGS	QQUEEN	LEV	ISTGS	LGLD	LALGV	GGLP	PRGRIV		62				
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....	KKAAS	MSA	EKQ	KALAA	AALQ	IEKQ	FGKS	SIMK	MDA	.EVEP	VQV	VSTGS	LGLD	VALGV	GGLP	PRGRV		70		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDEN	KQK	ALAA	ALGQ	IEKQ	FGKS	SIMR	LGD	N.RAMD	VET	ISTGS	LSLD	I	ALG	AGGL	PMGRIV		61			
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NTDB id 356542 E5Q06 RS11840 WP 275061116.1	M	N																	2		
NTDB id 1313 DR RS12030 WP 010888966.1	.MSKD...AT.	KEIS	APTDA	KERS	KA	IET	AMSQ	IEKA	FGKS	SIMK	LGAE	.SKLD	VQV	VSTGS	LSLD	I	ALGV	GGI	PRGRIT		74
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK...KTN	FDDIT	KKYGA	ERD	KAL	ADAL	ALIEK	D	FGKS	SLMR	LGEA	.ANQK	VSV	VSSGS	LALD	I	ALGA	GGYP	PKGRIV		76
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK...PKK	LEEIS	KKFGA	ERE	KAL	NDAL	KLIEK	D	FGKS	SIMR	LGER	.AEQK	VQV	MSSGS	LALD	I	ALGS	GGYP	PKGRI	I	75
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NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK...PKK	LEEIS	KKFGA	ERE	KAL	NDAL	KLIEK	D	FGKS	SIMR	LGER	.AEQK	VQV	MSSGS	LALD	I	ALGS	GGYP	PKGRI	I	75
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NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK...PKK	LDEIS	KKFGA	ERE	KAL	NDAL	KLIEK	D	FGKS	SIMR	LGER	.AEQK	VQV	MSSGS	LALD	I	ALGS	GGYP	PKGRI	I	75
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK...PKK	LDEIS	KKFGA	ERE	KAL	NDAL	KLIEK	D	FGKS	SIMR	LGER	.AEQK	VQV	MSSGS	LALD	I	ALGS	GGYP	PKGRI	I	75
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NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR...IKK	TEEIT	KKFGD	ERR	KAL	DDAL	KNIEK	D	FGKG	AVMR	LGER	.AEQK	VQV	MSSGS	LALD	I	ALGAGGY	PKGRI	I	75	
NTDB id 115 BSU 16940 NP 389576.2	MS	DRQA	ALDM	ALKQ	IEKQ	FGKS	SIMK	LGEK	.TDTR	ISTV	PSGS	LALD	T	ALGI	GGY	PRGRIV		60			
NTDB id 625 LCA RS02525 WP 011374196.1	MAKD	ERQA	ALDA	ALKK	IEKN	FGKS	SIMR	MGEK	.VDTQ	VSTV	SSGS	LALD	E	ALGV	GGY	PRGRIV		62			
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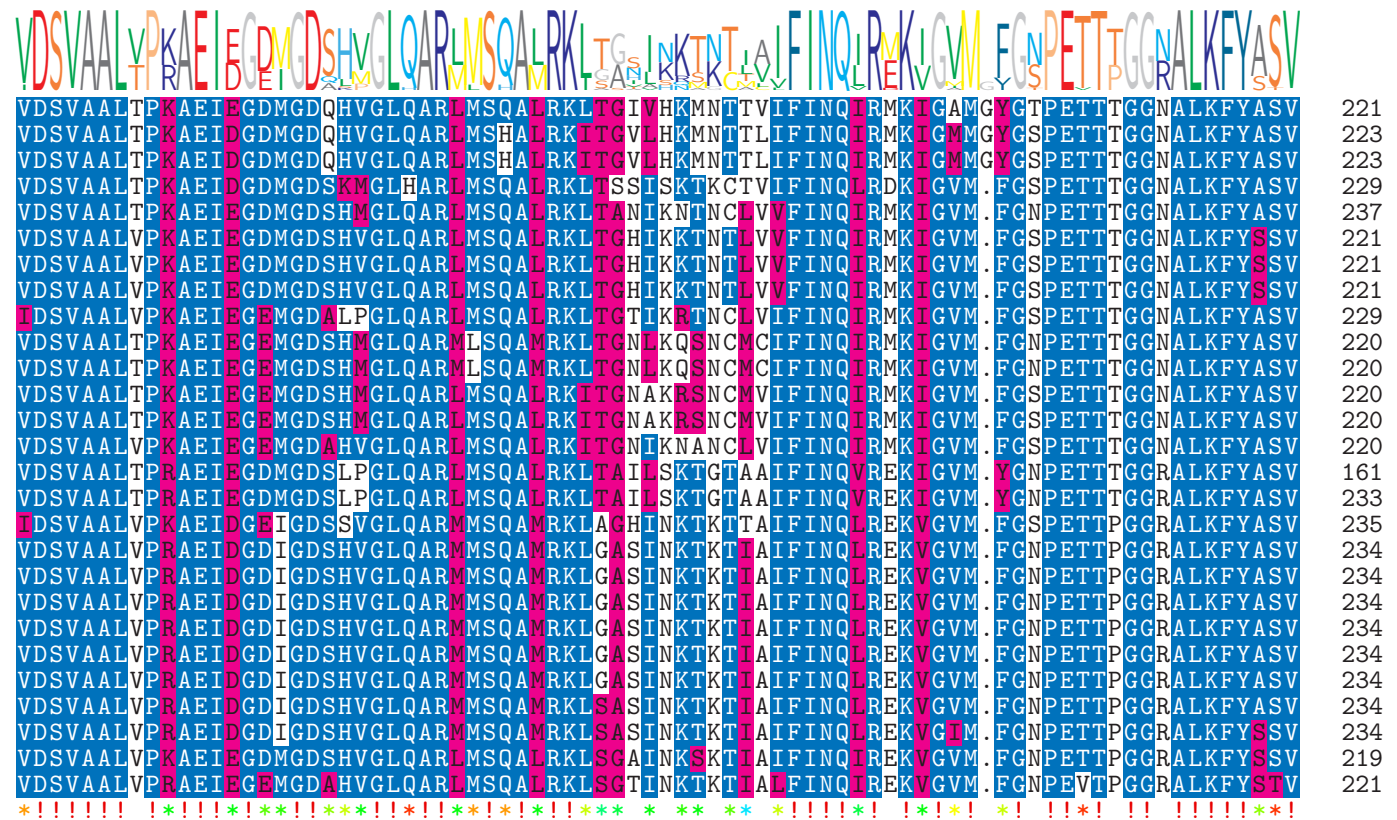
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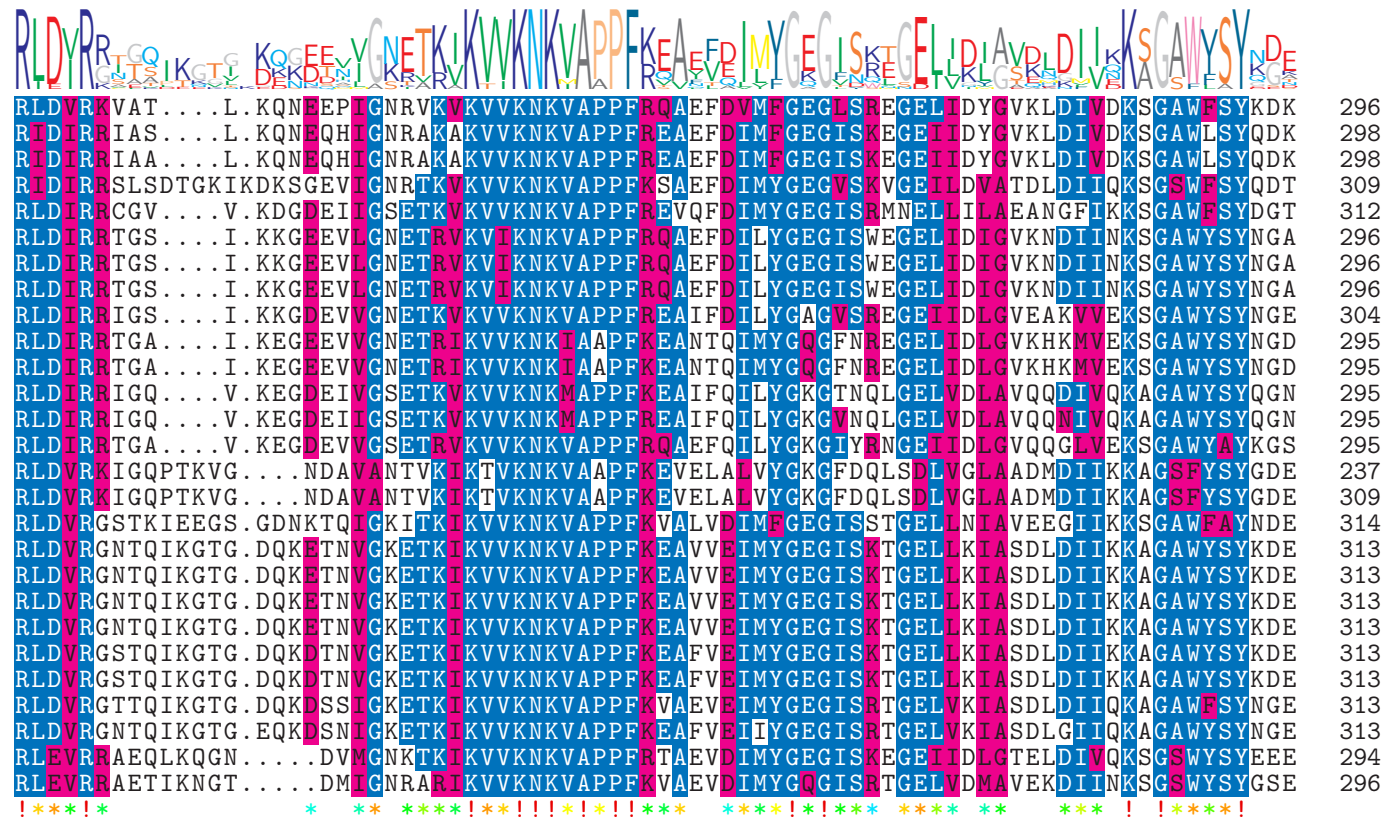
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consensus

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NTDB id 1130 NGFG RS03960 WP 003688695.1	KIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDET.....GER.....PEE.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	KIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDET.....GER.....PEE.....	348
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGGKNNVIRYFEENNQIAEEIERNIREQLLTGTNGAVQ.I.EDEEEP.D..LL.....LES.....	349
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NTDB id 1313 DR RS12030 WP 010888966.1	RIGQGGKEKTIA YIA ERPMEQEIRDRVMAAIRAGNAGEAPALAPAPA.....APEAAEA.....	363
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NTDB id 453 Spy49 1753c ACI62003.1	KIGQGS EN AKRYLADHPQLFDEIDRKVVRVKFGLLEESEESAMAVASE.....E.....TDDLALDLNGIEIED.	378
NTDB id 408 SMU RS09530 WP 002262392.1	KIGQGS EN AKKFLADNPEIFDDIDHKVVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED.	383
NTDB id 115 BSU 16940 NP 389576.2	RLGGQREN AK QFLKENKDIMLMIQEQIREHYGLDNNGVVQQAEETQEEL.EFE.E.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	RIGQGRENAK NY LADHEDVEDEVRLK V RAAYGISDVPPEEDLPTTEDE.QI.NILPDDST.....EE.....	355
consensus	**!!**!* * * * * * * * * *	

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NTDB	id	228	SPD	RS09265	WP	001085462.1	E 388
NTDB	id	194	SPR	RS08825	WP	001085462.1	E 388
NTDB	id	159	SP	RS09750	WP	001085462.1	E 388
NTDB	id	499	SM12261	RS08315	WP	078228268.1	E 384
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NTDB	id	115	BSU	16940	NP	389576.2	348
NTDB	id	625	LCA	RS02525	WP	011374196.1	355
consensus							

- ☐ non conserved
- ☒ similar
- ☒ $\geq 50\%$ conserved