

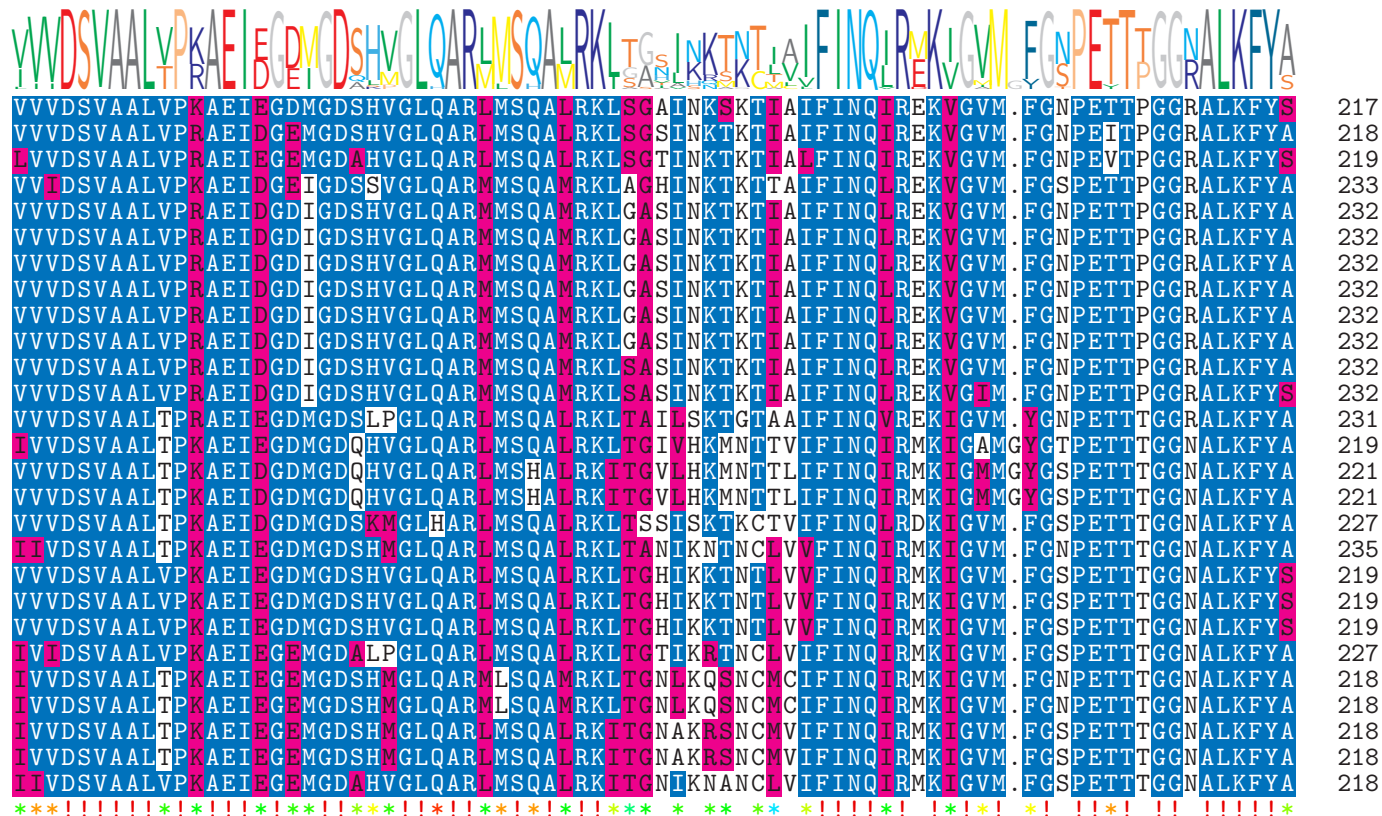
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NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQFGKCSIMKLCEK.TDTRISTVPSGSLALDTALGIGGYPRGR	58
NTDB id 1124842 EQB69 RS13035 WP 002287328.1	MADDRKAALDAALKKIEKSYGKCSIMKLCEK.IDQQISTIPSGSLALDVALGVGGYPRGR	59
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKNFGKCSIMRMCEK.VDTQVSTVSSGSLALDEALGVGGYPRGR	60
NTDB id 600 KW2 RS01765 WP 011675413.1	MATK.....KKTNFDDITKKYGAERDKALADALALIEKDFGKCSIMRLCEA.ANQKVSVSSGSLALDTALCAGGYPRGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAK.....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAK.....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR	73
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NTDB id 159 SP RS09750 WP 001085462.1	.MAK.....KPKKLEEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR	73
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NTDB id 408 SMU RS09530 WP 002262392.1	.MAK.....RIKKTEEITKKFGDERKKALDDALKNIEKDFGKGAVMRLCER.AEQKVQVMSSGSLALDTALCAGGYPRGR	73
NTDB id 1313 DR RS12030 WP 01088966.1	MSKDATKEISAPTDAKERSKATETAMSQIEKAFGKCSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGTIPRGR	72
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NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKATSLATKQIDKVFVGKCALVRLCDK.QVEKIDISTGSLGLDLALCIGGVPRGR	61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKATSLATKQIDKVFVGKCALVRLCDK.QVEKIDISTGSLGLDLALCIGGVPRGR	61
NTDB id 1334 RA0C RS04870 WP 004918236.1	MAKT..ETTSPPNDKKKALAALVLEKLDKTYGKCTVMKLCGTVVDHNEVIPSLSLGLDLALGVGGYPKGR	68
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NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVIISTGSLGLDLALCVGGLPGR	60
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVIISTGSLGLDLALCVGGLPGR	60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSAEKQKALAAALAQIEKQFGKCSIMKMGDA.EVEPVQVVSTGSLGLDVALGVGGLPGR	68
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQIEKQFGKCSIMRLCDN.RAMDVETISTGSLSLDLALCAGGLPMGR	59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDENKSKALQAALSQIEKQFGKNTVMRLCDN.TVQAVEAVSTGSLTLDIALCIGGLPKGR	59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQIEKQFGKNTVMRLCDN.TVQAVEAVSTGSLTLDIALCIGGLPKGR	59
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consensus	*** ** *	

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NTDB id 269 KZH43 RS08665 WP 001085462.1	IIEIYGP	ESSGKTT	VALHATAEV	QKEGGIA	AFIDAEHALDP	AYAAA	LGVN	DELL	SQPD	GEQGLE	IAGKL	ID	SGAVD	153
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	IVEIYGP	ESSGKTT	VALHATAEV	QKGNKTC	AFIDAEHALDP	VYARN	LGVN	DELL	SQPD	NGEQALE	ICDAL	VR	SGAVD	156
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consensus	IIEIYGP	ESSGKTT	VALHATAEV	QKNGGVC	AFIDAEHALDP	VYARKL	LGVN	DELL	SQPD	GEQALE	ICDTL	VR	SGGID	140

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NTDB id 499 SM12261 RS08315 WP 078228268.1
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consensus

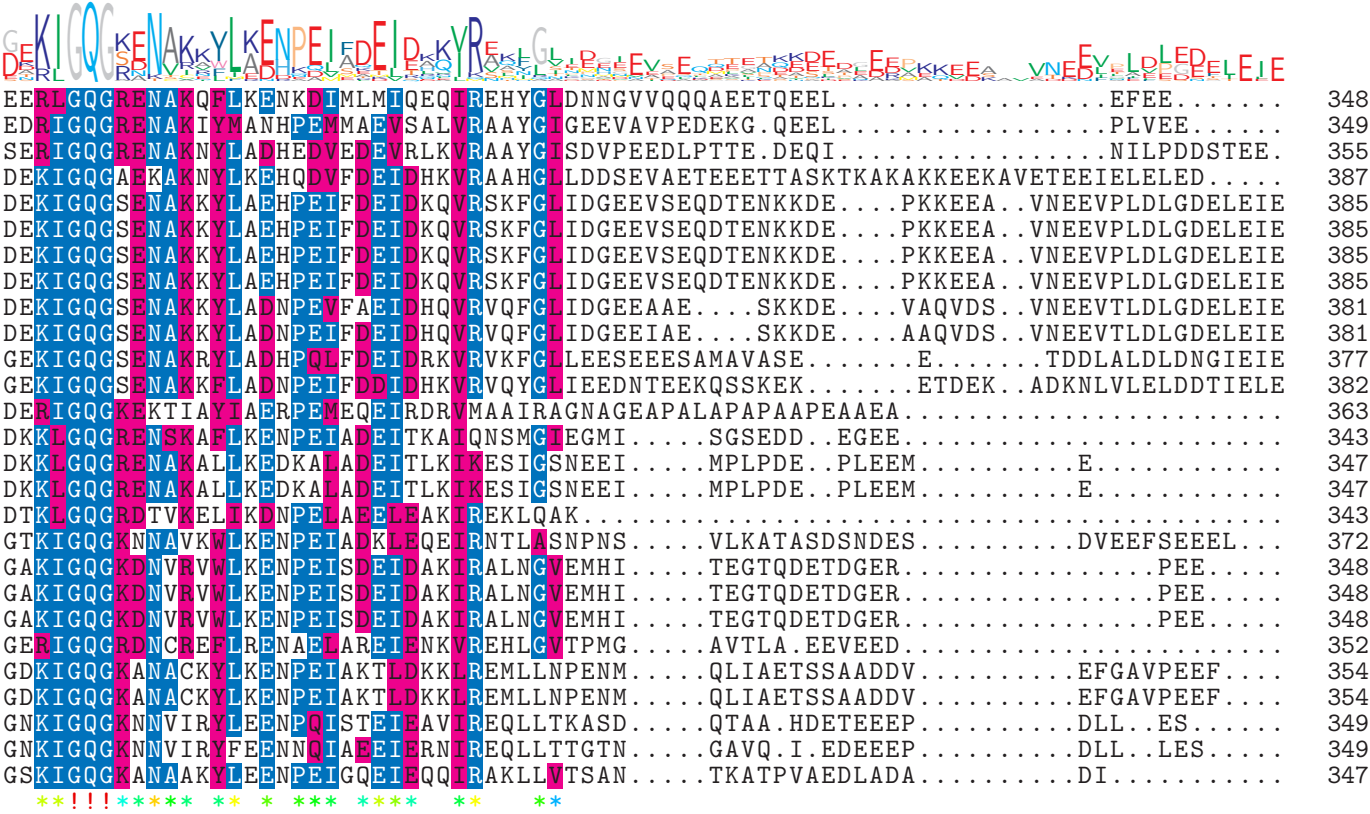


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NTDB id 625 LCA RS02525 WP 011374196.1	TVRL	EV	RAETIKNGT....DMIC	NRARIKVVKNKVAPPFKVAEVDIMYGG	GISRTGEL	VDMAVEK	DI	INKSG	SWSYG			294
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NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRL	DVRG	NTQIKGTG.DQKE	TNVCKETKIKVVKNKVAPPFKAEAVVE	IMYGE	GISKTGEL	LK	IASD	LI	IKKAG	AWYSYK	311
NTDB id 228 SPD RS09265 WP 001085462.1	SVRL	DVRG	NTQIKGTG.DQKE	TNVCKETKIKVVKNKVAPPFKAEAVVE	IMYGE	GISKTGEL	LK	IASD	LI	IKKAG	AWYSYK	311
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NTDB id 159 SP RS09750 WP 001085462.1	SVRL	DVRG	NTQIKGTG.DQKE	TNVCKETKIKVVKNKVAPPFKAEAVVE	IMYGE	GISKTGEL	LK	IASD	LI	IKKAG	AWYSYK	311
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRL	DVRG	STQIKGTG.DQKD	TNVCKETKIKVVKNKVAPPFKAEAFVE	IMYGE	GISKTGEL	LK	IASD	LI	IKKAG	AWYSYK	311
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRL	DVRG	STQIKGTG.DQKD	TNVCKETKIKVVKNKVAPPFKAEAFVE	IMYGE	GISKTGEL	LK	IASD	LI	IKKAG	AWYSYK	311
NTDB id 453 Spy49 1753c ACI62003.1	SVRL	DVRG	TTQIKGTG.DQKD	SSICKETKIKVVKNKVAPPFKVAEVE	IMYGE	GISRTGEL	VK	IASD	LI	IQKAG	AWFSYN	311
NTDB id 408 SMU RS09530 WP 002262392.1	SVRL	DVRG	NTQIKGTG.EQKD	SNICKETKIKVVKNKVAPPFKAEAFVE	ITYGE	GISRTGEL	VK	IASD	LGIT	IQKAG	AWYSYN	311
NTDB id 1313 DR RS12030 WP 010888966.1	SVRL	DVRK	IGQ....PTKVGND	AVANTVKIKIKVVKNKVAAPFKEVEL	ALVYCKG	CFDQLS	DLVGL	AADMD	I	IKKAG	SFYSYG	307
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NTDB id 1211 C694 RS00795 WP 000963128.1	SVRL	DIRR	IAS....L.KQNE	QHICNRAKIKVVKNKVAPPFRBAEFD	IMFGE	GISKEGEI	IDYGV	KLD	IV	DKSG	AWLSYQ	296
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NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRL	DIRR	TGS....I.KKGEE	VLGNETRVIKKNKVAPPFRQAED	DILYGE	GISWEGEL	IDIGV	KND	I	INKSG	AWYSYN	294
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRL	DIRR	TGS....I.KKGEE	VLGNETRVIKKNKVAPPFRQAED	DILYGE	GISWEGEL	IDIGV	KND	I	INKSG	AWYSYN	294
NTDB id 1427 RS RS02760 WP 011000510.1	SVRL	DIRR	IGS....I.KKGEE	VLGNETKIKVVKNKVAPPFRBAE	IFDILYGA	QVSR	REGEL	IDL	GV	EAKVVEK	SGAWYSYN	302
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRL	DIRR	TGA....I.KEGEE	VLGNETRIKVVKNKIAAPFKEANTQ	IMYCG	GFNR	REGEL	IDL	GV	KHKMVEK	SGAWYSYN	293
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRL	DIRR	TGA....I.KEGEE	VLGNETRIKVVKNKIAAPFKEANTQ	IMYCG	GFNR	REGEL	IDL	GV	KHKMVEK	SGAWYSYN	293
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRL	DIRR	IGQ....V.KEGEE	IVGSETKIKVVKNKMAPPFRBAE	IFQILY	CKGVNQL	GEL	VDL	AV	QQNIVQK	AGAWYSYQ	293
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRL	DIRR	IGQ....V.KEGEE	IVGSETKIKVVKNKMAPPFKEA	IFQILY	CKGTNQL	GEL	VDL	AV	QQNIVQK	AGAWYSYQ	293
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRL	DIRR	TGA....V.KEGEE	VLGNETRVIKVVKNKVAPPFRQA	EDQILY	CKGTIN	REGEL	IDL	GV	QQGLVEK	SGAWIAYK	293
consensus	**!	* **!	* *	*	* *	* * * * *	! * * ! ! !	! * ! ! !	* *	* * * * *	! * ! * * * * * * * * * * * * * * ! ! * * * * !	

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NTDB id 115 BSU 16940 NP 389576.2
NTDB id 1124842 EQB69 RS13035 WP 002287328.1
NTDB id 625 LCA RS02525 WP 011374196.1
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NTDB id 269 KZH43 RS08665 WP 001085462.1
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NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
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NTDB id 499 SM12261 RS08315 WP 078228268.1
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consensus



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consensus			

- non conserved
- similar
- ≥ 50% conserved