

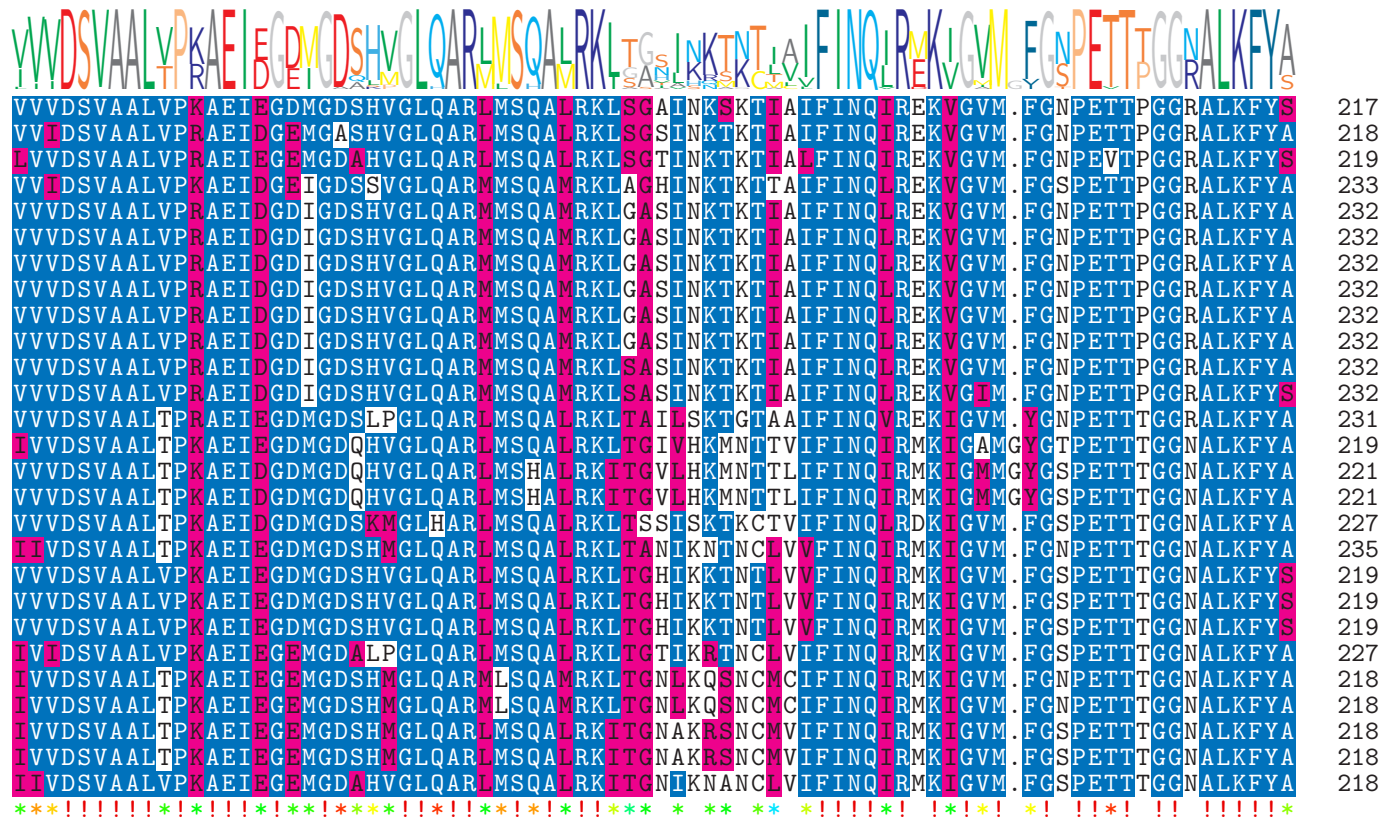
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NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQFGKCSIMKLCEK.TDTRISTVPSGSLALDTALGIGGYPRGR	58
NTDB id 1150777 KG893 RS13100 WP 002354860.1	MADDRKVALDAALKKIEKNFGKCSIMKLCEK.ADQKISTIPSLSLALDVALGVGGYPRGR	59
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKNFGKCSIMRMCHEK.VDTQVSTVSSGSLALDEALGVGGYPRGR	60
NTDB id 600 KW2 RS01765 WP 011675413.1	MATK.....KKTNFDDITKKYGAERDKALADALALIEKDFGKCSIMRLCEA.ANQKVSVSSGSLALDTALCAGGYPRGR	74
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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 499 SM12261 RS08315 WP 078228268.1	.MAK.....KPKKLDEISKKFGAEREKALNDALKLIEKDFGKCSIMRLCER.AEQKVQVMSSGSLALDTALCSGGYPKGR	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAK.....KLKKNEEITKKFGDERRKALDDALKNIEKDFGKCAVMRLCER.AEQKVQVMSSGSLALDTALCAGGYPRGR	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAK.....RIKKTEEITKKFGDERKKALDDALKNIEKDFGKCAVMRLCER.AEQKVQVMSSGSLALDTALCAGGYPRGR	73
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NTDB id 1245 Cj1673c YP 002345041.1	MDENKRRSLDAALKSLDKTFGKCTILRLCDK.EVEKIDSISTGSLGLDLALCIGGVPRGR	59
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKATSLATKQIDKVFVGKCALVRLCDK.QVEKIDASTGSLGLDLALCIGGVPRGR	61
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NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKCAIMKMDGSQQEENLEVIISTGSLGLDLALCVGGLPGR	60
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKCAIMKMDGSQQEENLEVIISTGSLGLDLALCVGGLPGR	60
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQIEKQFGKCSIMRLCDN.RAMDVETISTGSLSLDLALCAGGLPMGR	59
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQIEKQFGKNTVMRLCDN.TVQAVEAVSTGSLTLDIALCIGGLPKGR	59
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consensus	*** **	

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NTDB id 625 LCA RS02525 WP 011374196.1	IVEIYGP	ESSGKTT	VALHATAEV	QKGGTA	AFIDAEHALDP	KYAT	LGVN	DELL	SQPD	GEQGLE	IADAL	VSSGAVD	I	140
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NTDB id 1334 RA0C RS04870 WP 004918236.1	IVEIYGP	ESSGKTT	VALHATAEV	QKVGCTA	AFIDAEHALDP	FMHYAEK	LGVN	DELL	SQPD	NGEQALE	IADSL	IR	SGGVD	148
NTDB id 1389 A4U84 RS07560 WP 021112712.1	IVEIYGP	ESSGKTT	VALHATAEV	QKGNKTC	AFIDAEHALDP	VYARN	LGVN	DELL	SQPD	NGEQALE	ICDAL	VR	SGAVD	156
NTDB id 1130 NGFG RS03960 WP 003688695.1	IVEIYGP	ESSGKTT	VALHATAEV	QKNGGVC	AFIDAEHALDP	VYARKL	LGVN	DELL	SQPD	GEQALE	ICD	TL	VRSGGID	140
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consensus	IIEIYGP	ESSGKTT	VALHATAEV	QKNGGVC	AFIDAEHALDP	VYARKL	LGVN	DELL	SQPD	GEQALE	ICD	TL	VRSGGID	140

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NTDB id 600 KW2 RS01765 WP 01675413.1
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NTDB id 159 SP RS09750 WP 001085462.1
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NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 453 Spy49 1753c AC162003.1
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NTDB id 1313 DR RS12030 WP 010888966.1
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NTDB id 1123 OK783 RS03845 WP 003688695.1
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consensus

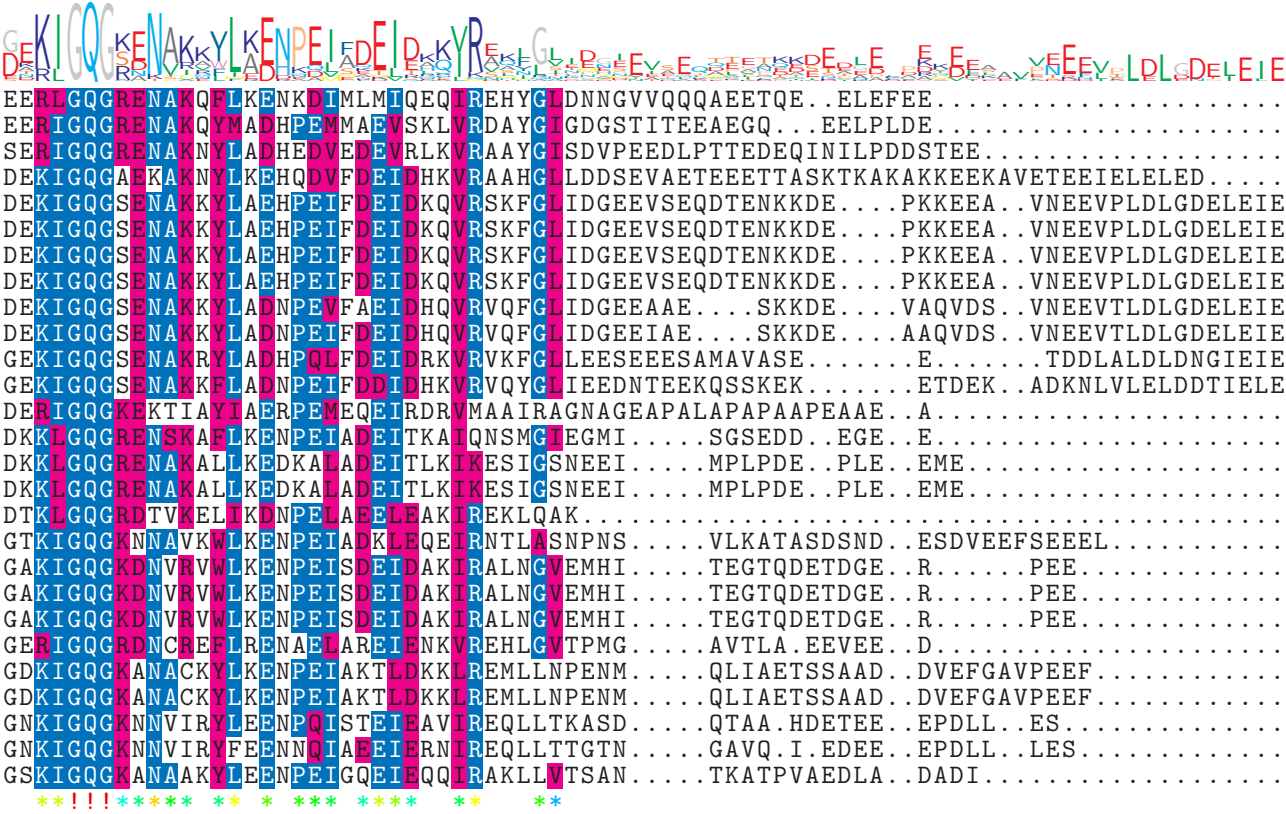


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NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRAETIKNGT....DMIC	GNRARIKVVKNKVAPPFKVAEVDIMYGGEGISRTGELIDMAVEKDIINKSGSWYSYG	294
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NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNV	GKETKIKVVKNKVAPPFKAEAVVEIMYGGEGISKTGELLKIASDLDIINKKAGAWYSYK	311
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNV	GKETKIKVVKNKVAPPFKAEAVVEIMYGGEGISKTGELLKIASDLDIINKKAGAWYSYK	311
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNV	GKETKIKVVKNKVAPPFKAEAVVEIMYGGEGISKTGELLKIASDLDIINKKAGAWYSYK	311
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGSTQIKGTG.DQKDTNV	GKETKIKVVKNKVAPPFKBAFVEIMYGGEGISKTGELLKIASDLDIINKKAGAWYSYK	311
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTNV	GKETKIKVVKNKVAPPFKBAFVEIMYGGEGISKTGELLKIASDLDIINKKAGAWYSYK	311
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKDSST	GKETKIKVVKNKVAPPFKVAEVEIMYGGEGISRTGELVKIASDLDIIQKAGAWFSYN	311
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSNI	GKETKIKVVKNKVAPPFKBAFVEIITYGEGISRTGELVKIASDLDGIQKAGAWFSYN	311
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ....PTKVGND	AVANTVKIKIKVVKNKVAAPFKEVELALIVYCKGFDQLSDLVGLAADMDIINKKACSFYSYG	307
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KDGD	EIIIGSETKIKVVKNKVAPPFRRQAEFDIMYGGEGISRMNELILAEANGFIKKSGAWFSYD	310
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKGEEVL	CNETRVKVIKNKVAPPFRRQAEFDILYGGEGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKGEEVL	CNETRVKVIKNKVAPPFRRQAEFDILYGGEGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRTGS....I.KKGEEVL	CNETRVKVIKNKVAPPFRRQAEFDILYGGEGISWEGELIDIGVKNDIINKSGAWYSYN	294
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEGDEIV	GSETKIKVVKNKMAPPFRRQAEFQILYGGKGVNQLGELVDLAVQQQDIVQKAGAWYSYQ	293
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NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEGDEIV	GSETRVKVVKNKVAPPFRRQAEFQILYGGKGVNQLGELVDLAVQQQGLVEKSGAWYAYK	293
consensus	*!!**!* *	* ** *!!!!*!!*!!*! *	* ** *!!!!*!!*!!*! *

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NTDB id 115 BSU 16940 NP 389576.2
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NTDB id 625 LCA RS02525 WP 011374196.1
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NTDB id 1142 GTF74 RS11550 WP 000344154.1
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consensus



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consensus			

- non conserved
- similar
- ≥ 50% conserved