

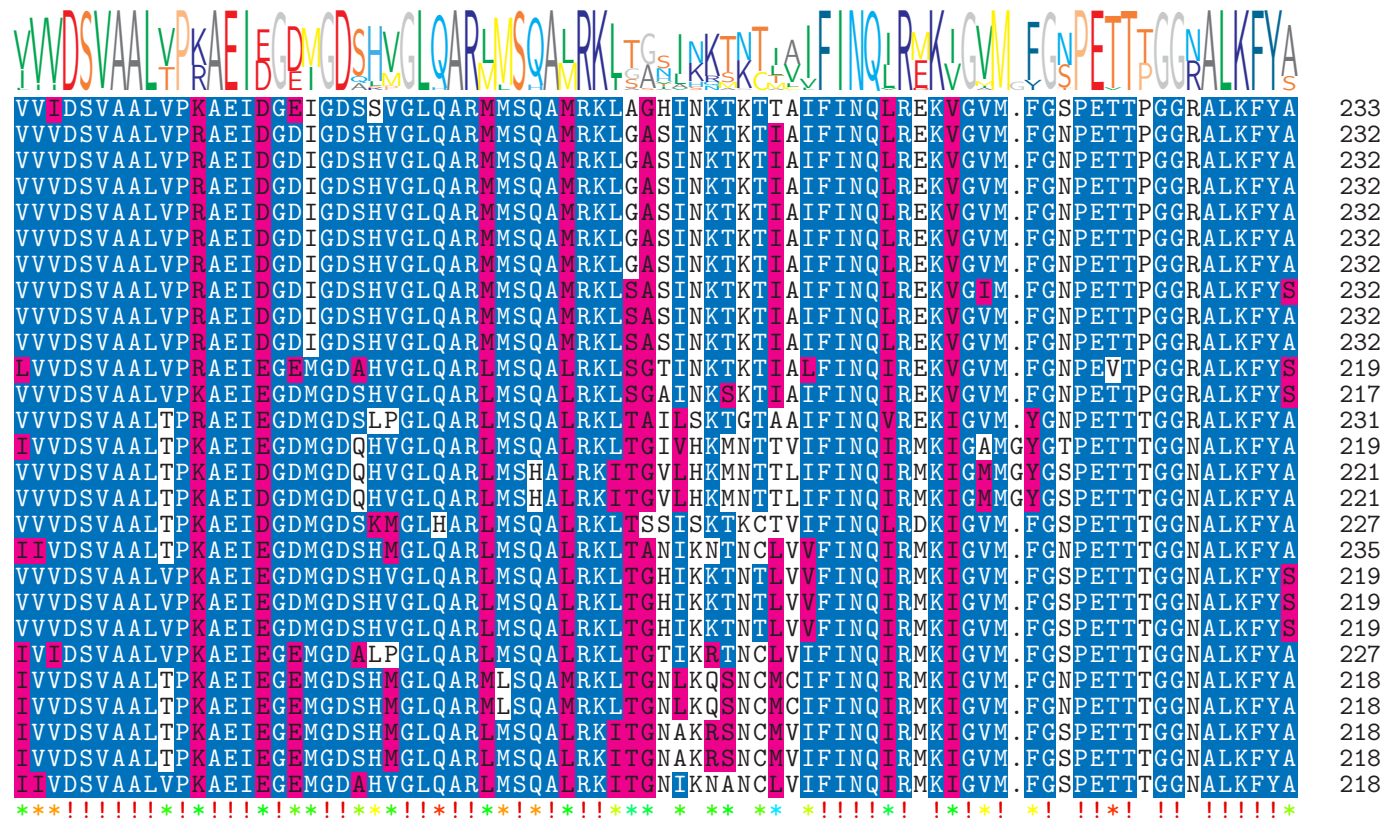
logo

NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....KTNFDDITKKYGAERDKALADALALIEKD FGKGSIMRLGEA.ANQKVS	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....PKKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALD	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALD	73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....PKKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALD	73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALD	73
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....PKKLDEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALD	73
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLDEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALD	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEITKKFGDERKKALDDALKNIEKD FGKGAVMRLGER.AEQKVQVMSSGSLALD	73
NTDB id 342372 ETT47 RS08405 WP 002992179.1	.MAKK.....LKKNEEITKKFGDERRKALDDALKNIEKD FGKGAVMRLGER.AEQKVQVMSSGSLALD	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEITKKFGDERRKALDDALKNIEKD FGKGAVMRLGER.AEQKVQVMSSGSLALD	73
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYP	60
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQFGKGSIMKLG EK.TDTRISTVPSGSLALDTALGIGGYP	58
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTD AKERSKATETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLD	72
NTDB id 1245 Cj1673c YP 002345041.1	MDNKRKSLDAALKSLDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGV	59
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKATISLAIKQIDKVFVGKGA LVRLGDK.QVEKIDSISTGSLGLDLALGIGGV	61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKATISLAIKQIDKVFVGKGA LVRLGDK.QVEKIDAISTGSLGLDLALGIGGV	61
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSNPDDKKKALAAVLEKLDKTYGKGTVMKLG DGTVDHNIIEVIPSGSLGLDLALGV	68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALG	76
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGL	60
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NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLD	68
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGL	59
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGL	59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGL	59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGL	59
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSI	59
consensus	*** **	

NTDB id 600 KW2 RS01765 WP 011675413.1
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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 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus



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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQ	IGK	ITK	IKVVKNKVAPPF	KVALVDIMFGEGISSTGELINIAVEEG	I	IKK	SGAW	FAYN	312
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NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGK	ETK	IKVVKNKVAPPF	KEAVVEIMY	GEGISKTGELLKIASDL	DIIKK	KAGAW	YSYK	311
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGK	ETK	IKVVKNKVAPPF	KEAVVEIMY	GEGISKTGELLKIASDL	DIIKK	KAGAW	YSYK	311
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTN	VGK	ETK	IKVVKNKVAPPF	KEAFVEIMY	GEGISKTGELLKIASDL	DIIKK	KAGAW	YSYK	311
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGSTQIKGTG.DQKDTN	VGK	ETK	IKVVKNKVAPPF	KEAFVEIMY	GEGISKTGELLKIASDL	DIIKK	KAGAW	YSYK	311
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSN	IGK	ETK	IKVVKNKVAPPF	KEAFVEIITYGEGISRTGELVK	IASDLGII	IKK	KAGAW	FSYN	311
NTDB id 342372 ETT47 RS08405 WP 002992179.1	SVRLDVRGTTQIKGTG.DQKDSS	IGK	ETK	IKVVKNKVAPPF	KVAEVEIMY	GEGISRTGELVK	IASDL	DII	KKAGAWFSYN	311
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKDSS	IGK	ETK	IKVVKNKVAPPF	KVAEVEIMY	GEGISRTGELVK	IASDL	DII	KKAGAWFSYN	311
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRAETIKNGT.....DM	IGNRARI	IKVVKNKVAPPF	KVAEVDIMY	GGISRTGELVDMAVEKD	IINK	SGSW	YSYG		294
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN.....DV	MGNKTKI	IKVVKNKVAPPF	RTAEVDIMY	GEGISKEGEI	IDL	GLTELDIV	QKSG	SWYSYE	292
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ....PTKVGND	AVANTVKIK	TVKNKVAAPF	KEVELALVYGK	GFDQLSDLVGLA	ADMDII	KKAGS	FFYSYG		307
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NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS....L.KQNEQH	IGNRAKA	VVVKNKVAPPFR	EAEFDIMF	GEGISKEGEI	IDYGVKLD	IVDK	SGAW	LSYQ	296
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIAA....L.KQNEQH	IGNRAKA	VVVKNKVAPPFR	EAEFDIMF	GEGISKEGEI	IDYGVKLD	IVDK	SGAW	LSYQ	296
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRLSDTGKIKDKSGEV	IGNRTKV	VVVKNKVAPPFK	SAEFDIMY	GEGVSKVGEILD	VATDLDII	QKSG	SW	FSYQ	307
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KDGD	DEI	IGSETKV	VVVKNKVAPPFR	REVQFDIMY	GEGISRMNELL	ILAEANG	FIKK	SGAWFSYD	310
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKG	EEVLGN	ETRVKVI	KNKVAPPFR	QAEFDILY	GEGISWEGELID	IGVKN	DIINK	SGAWSYN	294
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKG	EEVLGN	ETRVKVI	KNKVAPPFR	QAEFDILY	GEGISWEGELID	IGVKN	DIINK	SGAWSYN	294
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NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGS....I.KKG	DEV	VGN	ETKVVVKNKVAPPFR	EAIFDILY	GAGVSREGEI	IDL	GV	EAKVVEKSGAWSYN	302
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGA....I.KEG	EEV	VGN	ETRIKVVKNKIAAPF	KEANTQIMYG	QGFNREGELID	LG	VKHKM	VVEKSGAWSYN	293
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEG	DEI	IGSETKV	VVVKNKMAPPF	KEAIFQILY	GKGTNQLGELVD	LAVQQ	DIV	QKAGAWSYQ	293
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEG	DEV	VGS	ETRVVVKNKVAPPFR	QAEFQILY	GKGIYRNGEI	IDL	GV	QQGLVEKSGAWAYK	293
consensus	*!!**!* *	*	**	*****!*****!*****!*	*	*****!*****	*****	***	*** ! !*****!	

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NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
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NTDB id 499 SM12261 RS08315 WP 078228268.1
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consensus



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		IEE	
NTDB id 600 KW2 RS01765 WP 011675413.1	...		387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE		388
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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 408 SMU RS09530 WP 002262392.1	D..		383
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NTDB id 625 LCA RS02525 WP 011374196.1	...		355
NTDB id 115 BSU 16940 NP 389576.2	...		348
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	...		349
NTDB id 1205 PSJM300 05545 AFN77183.1	...		347
consensus			

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