

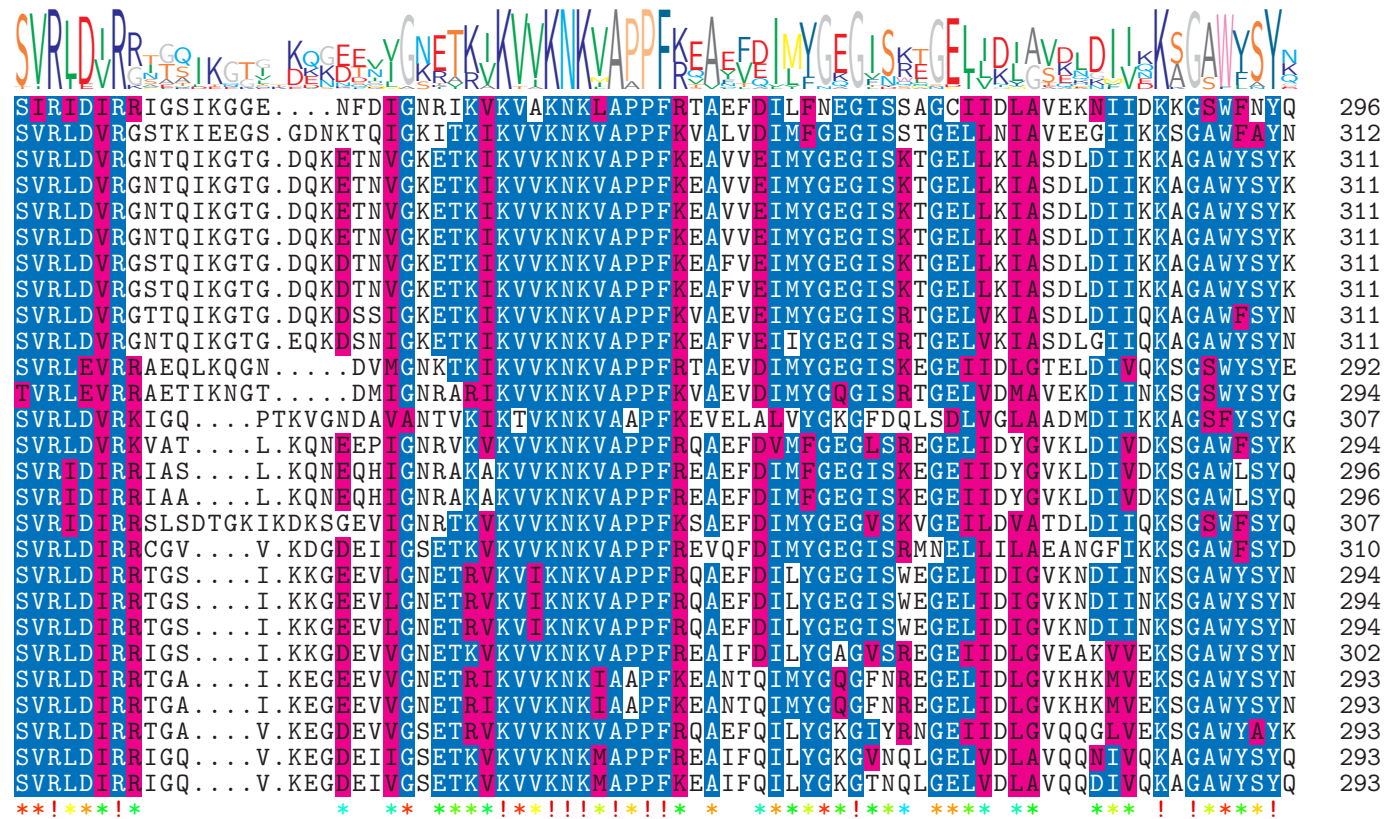
logo

NTDB id 57744 A7249 RS03530 WP 009872021.1	MSVP	DRKRALEAAIAYIEKQFGAGSIMSLGKHSSAHEISTIKTGALS	LDIALGIGGV	PKGR	61					
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....KTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALDIALGAGGY	PKGR	74			
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK....PKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK....PKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....LKKNEEITKKFGD	ERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALDIALGAGGY	PKGR	73				
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR....IKKTEEITKKFGD	ERKKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALDIALGAGGY	PKGR	73				
NTDB id 115 BSU 16940 NP 389576.2	MS	DRQAALDMALKQIEKQ	FGKGSIMKLGEK	.TDTRISTVPSGSLALDIALGIGGY	PKGR	58				
NTDB id 625 LCA RS02525 WP 011374196.1	MAKD	ERQAALDAALKKIEKN	FGKGSIMRMGEK	.VDTQVSTVSSGSLALDEALGVGGY	PKGR	60				
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTD	AKERSKATETAMSQIEKA	FGKGSIMKLGAE	.SKLDVQVVSTGSLSLDIALGVGGI	PKGR	72				
NTDB id 1245 Cj1673c YP 002345041.1	MDDN	KRKSLDAALKSLDKT	FGKGTILRLGDK	.EVEQIDSIGTGSVGLDLALGIGGV	PKGR	59				
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDE	DKQKATISLAIKQID	KVFGKGALVRLGDK	.QVEKIDSISTGSLGLDLALGIGGV	PKGR	61				
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDE	DKQKATISLAIKQID	KVFGKGALVRLGDK	.QVEKIDAISTGSLGLDLALGIGGV	PKGR	61				
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSPND	DKKKALAAVLEKLDKT	YGKGTVMKLGDTVDHN	IEVIPSGSLGLDLALGVGGY	PKGR	68				
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQ	KKQALEAALAAQIEKQ	FGKGSIMKLGQT	.EQLDIESVSTGSLGLDLALGIGGL	PMGR	76				
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSD	DKSKALAAALAAQIEKS	FGKGAIMKMDGSQ	QEEENLEVISTGSLGLDLALGVGGL	PKGR	60				
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSD	DKSKALAAALAAQIEKS	FGKGAIMKMDGSQ	QEEENLEVISTGSLGLDLALGVGGL	PKGR	60				
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSD	DKSKALAAALAAQIEKS	FGKGAIMKMDGSQ	QEEENLEVISTGSLGLDLALGVGGL	PKGR	60				
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	EKKALAAALAAQIEKQ	FGKGSIMKMGDA	.EVEPVQVVSTGSLGLDVALGVGGL	PKGR	68				
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDEN	KKKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLDIALGAGGL	PMGR	59				
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDEN	KKKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLDIALGAGGL	PMGR	59				
NTDB id 1205 PSJM300 05545 AFN77183.1	MDEN	KKRALAAALGQIEKQ	FGKGAVMRMGDH	.DRQAIPSI	TGSLGLDIALGIGGL	PKGR	59			
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDN	KS	KALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDIALGIGGL	PKGR	59			
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDEN	KS	KALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDIALGIGGL	PKGR	59			
consensus		* * *	* * *	* *	* * !	* ! * * * * * * * * *	*	* * * ! * * * ! ! * ! ! !	!!	! * ! !


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NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RA0C RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
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 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

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Sequence	Score
DRKLGQGGREAVREELKRNKELFHELCRTYESVQASQVPAACVDAESRQ...VA...EAAK.....	352
DEKIGQGGAEKAKNYLKEHQDVDFEIDHKVRAAHGLDDSEVAETEETASTKTAKAKKEEKAVENTEEIELELED....	387
DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTEENKKDE...PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTEENKKDE...PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTEENKKDE...PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTEENKKDE...PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGQGSSENAKKYLAENPEIFDEIDHKQVRVQFGLIDGEEIAES...KKDE...AAQVDS..VNEEVTLDLGDLEIE	381
DEKIGQGSSENAKKYLAENPEVFAEIDHKQVRVQFGLIDGEEAAES...KKDE...VAQVDS..VNEEVTLDLGDLEIE	381
GEKIGQGSSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEESAMAVASE.....E.....TDDLALDLNGIEIE	377
GEKIGQGSSENAKKFLADNPEIFDDIDHKVVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELE	382
EERLGQGGRENAAKQFLKENKDIMLMIQEIREHYGLDNNGVVQQAAETQEEL.EFE.E.....	348
SERIGQGGRENAAKNYLADHEDVEVLKVRVRAAYGISDVPEEDLPTTEDE.QI.NILPDST.....EE.....	355
DERIGQGGKEKTIAYIAERPEMEQEIRDRVMAAIRAGNAGEAPALAPAAPEAAE..A.....	363
DKKLGQGGRENSKAFLENPEIADAITKAIQNSMGIEGMI....SGSEDDE..GE..E.....	343
DKKLGQGGRENAAKALLKEDKALADEITLKIKESIGSNEEI....MPLPDEP..LE..EME.....	347
DKKLGQGGRENAAKALLKEDKALADEITLKIKESIGSNEEI....MPLPDEP..LE..EME.....	347
DTKLGGGRDITVKELIKDNPELAELEAKIREKLQAK.....	343
GTKIGQGGKNNAVKWLKENPEIADKLEQIEIRNTLASNPNS....VLKATASDSND..ESDVVEEFSEEEEL..	372
GAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI....TEGT.....Q..DETDERPEE.....	348
GAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI....TEGT.....Q..DETDERPEE.....	348
GAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI....TEGT.....Q..DETDERPEE.....	348
GERIGQGGKDNCRFLRENAELARIEIENKVREHLGVTPMG....AV.TLAEVEVE..D.....	352
GDKIGQGGKANACKYFLKENPEIAKTLDDKLREMLLNPNEM....QLIAETSSAAD..DVEFGAVPEEF.....	354
GDKIGQGGKANACKYFLKENPEIAKTLDDKLREMLLNPNEM....QLIAETSSAAD..DVEFGAVPEEF.....	354
GSKIGQGGKANAAKYLEENPEIGQIEEQIRAKLLVTSAN....TKATPVAEDLA..DADI.....	347
GNKIGQGGKNNVIRYLEENPQISTEIEAVIREQLLTKASD....QTA..HDETEE..EPDLL..ES.....	349
GNKIGQGGKNNVIRIFYENNQIAEIERNIREQLLTGTN....GAVQ.I.EDEE..EPDLL..LES.....	349

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		IEE	
NTDB id 57744 A7249 RS03530 WP 009872021.1	...	352	
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NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388	
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	...	354	
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349	
consensus			

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