

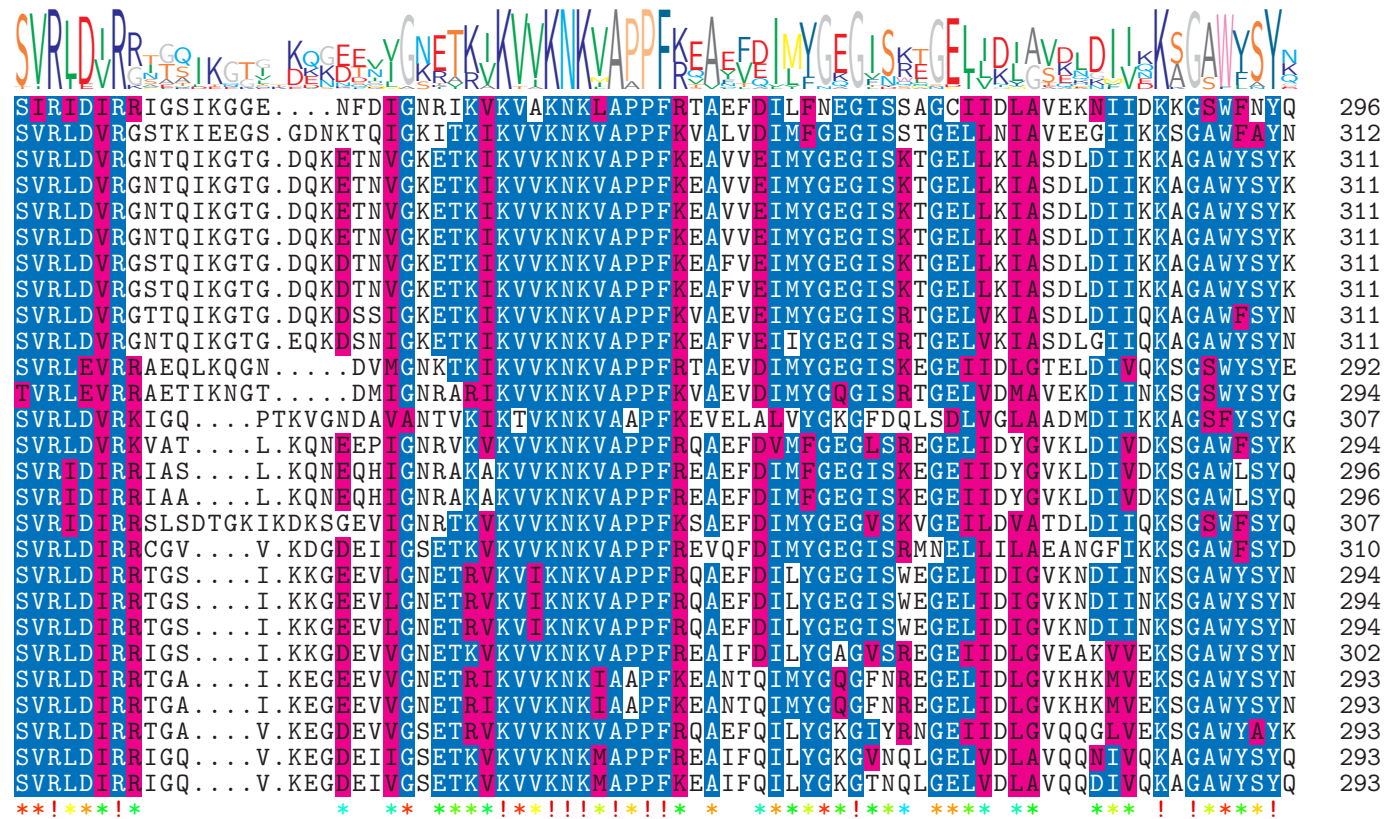
logo

NTDB id 57780 L3404 RS03470 WP 009872817.1	MSVP	DRKRALEAAIAYIEKQFGAGSIMSLGKHSSAHEISTIKTGALS	LDIALGIGGV	PKGR	61				
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....KTNFDDITKKYGA	ERDKALADALALIEKDFGKGSIMRLGEA	.ANQKVS	VSVSSGSLALDIALGAGGY	PKGR	74			
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKDFGKGSIMRLGER	.AEQKVQ	VMSSGSLALDIALGSGGY	PKGR	73			
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKDFGKGSIMRLGER	.AEQKVQ	VMSSGSLALDIALGSGGY	PKGR	73			
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKDFGKGSIMRLGER	.AEQKVQ	VMSSGSLALDIALGSGGY	PKGR	73			
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKDFGKGSIMRLGER	.AEQKVQ	VMSSGSLALDIALGSGGY	PKGR	73			
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK....PKKLDEISKKFGA	EREKALNDALKLIEKDFGKGSIMRLGER	.AEQKVQ	VMSSGSLALDIALGSGGY	PKGR	73			
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK....PKKLDEISKKFGA	EREKALNDALKLIEKDFGKGSIMRLGER	.AEQKVQ	VMSSGSLALDIALGSGGY	PKGR	73			
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....LKKNEEITKKFGD	ERRKALDDALKNIEKDFGKGAVMRLGER	.AEQKVQ	VMSSGSLALDIALGAGGY	PKGR	73			
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR....IKKTEEITKKFGD	ERKKALDDALKNIEKDFGKGAVMRLGER	.AEQKVQ	VMSSGSLALDIALGAGGY	PKGR	73			
NTDB id 115 BSU 16940 NP 389576.2	MS	DRQAALDMALKQIEKQFGKGSIMKLGEK	.TDTRIST	VP	SGSLALDTALGIGGY	PKGR	58		
NTDB id 625 LCA RS02525 WP 011374196.1	MAKD	ERQAALDAALKKIEKNFGKGSIMRMGEK	.VDTQVST	VSSGSLALDEALGVGGY	PKGR	60			
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTD	AKERSKATETAM	SQIEKAFGKGSIMKLGA	E.SKLDVQ	VVSTGSLSLDIALGVGGI	PKGR	72		
NTDB id 1245 Cj1673c YP 002345041.1	MDDN	KRKSLDAALKSLDKTFGKGTILRLGDK	.EVEQID	ISTG	SVGLDLALGIGGV	PKGR	59		
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDE	DKQKATISLAIKQIDKVF	FGKGA	LVR	LGDK.QVEKID	ISTG	SLGLDLALGIGGV	PKGR	61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDE	DKQKATISLAIKQIDKVF	FGKGA	LVR	LGDK.QVEKID	ISTG	SLGLDLALGIGGV	PKGR	61
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSPND	DKKKALAAVLEKLDKT	YGKGTVMKLG	DGTVDHNI	IEVIPS	SGSLGLDLALGVGGY	PKGR	68	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQ	KKQALEAALAAQIEKQFGKGSIMKLQGT	.EQLDIE	S	VSTGSLGLDLALGIGGL	PMGR	76		
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSD	DKSKALAAALAAQIEKS	FGKGAIMKMDGSQ	Q	EENLEVISTGSLGLDLALGVGGL	PKGR	60		
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSD	DKSKALAAALAAQIEKS	FGKGAIMKMDGSQ	Q	EENLEVISTGSLGLDLALGVGGL	PKGR	60		
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSD	DKSKALAAALAAQIEKS	FGKGAIMKMDGSQ	Q	EENLEVISTGSLGLDLALGVGGL	PKGR	60		
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	EKKALAAALAAQIEKQFGKGSIMKMGDA	.EVEPVQ	V	VSTGSLGLDVALGVGGL	PKGR	68		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDEN	KKKALAAALGQIEKQFGKGSIMRLGDN	.RAMDVET	ISTG	SLSLDIALGAGGL	PMGR	59		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDEN	KKKALAAALGQIEKQFGKGSIMRLGDN	.RAMDVET	ISTG	SLSLDIALGAGGL	PMGR	59		
NTDB id 1205 PSJM300 05545 AFN77183.1	MDEN	KKRALAAALGQIEKQFGKGAVMRMGDH	.DRQAIP	S	ISTGSLGLDIALGIGGL	PKGR	59		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDN	KS	KALQAALSQIEKQFGKNTVMRLGDN	.TVQAVE	AVSTGSLTLDIALGIGGL	PKGR	59		
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDEN	KS	KALQAALSQIEKQFGKNTVMRLGDN	.TVQAVE	AVSTGSLTLDIALGIGGL	PKGR	59		
consensus		* * *	* * *	* *	* * !	* ! * * * * * * * * *	*	* * * ! * * * ! ! * ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	


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NTDB id 228 SPD RS09265 WP 001085462.1
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 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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Sequence	Score
DRKLGQGGREAVREELKRNKELFHELEERRIYESVQASQAPAAACVDSES...REVAEAAK	352
DEKIGQGGAEKAKNYLKEHQDVDFEIDHKVRAAHGLDDSEVAETEETETASKTAKAKKEEKAVETEIEIELED	387
DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGGLIDGEEVSEQDTENKKDE...PKKEEA..VNEEVPLDLGDELEIE	385
DEKIGQGSSENAKKYLADNPEIFDEIDHKVVRVQFGLIDGEEIAES...KKDE...AAQVDS..VNEEVTLDLGDLEIE	381
DEKIGQGSSENAKKYLADNPEVFAEIDHKVVRVQFGLIDGEEAAES...KKDE...VAQVDS..VNEEVTLDLGDLEIE	381
GEKIGQGSSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEESAMAVASE...E...TDDLALDLNGIEIE	377
GEKIGQGSSENAKKFLADNPEIFDDIDHKVVRVQYGLIEEDNTEEKQSSKEK...ETDEK..ADKNLVLELDDTIELE	382
EERLGQGGRENAKQFLKENKDIMLMIQEIREHYGLDNNGVVQQAAETQEEL.EFE.E	348
SERIGQGRENAKNYLADHEDVEVLKVRVRAAYGISDVPPEEDLPTTEDE.QI.NILPDST...EE	355
DERIGQGEKTIAYIAIERPEMEQEIRDRVMAAIRAGNAGEAPALAPAAPEAAE..A	363
DKKLGQGGRENSKAFLENPEIADBITKAIQNSMGIEGMI...SGSEDDE..GE..E	343
DKKLGQGGRENAKALLKEDKALADEITLKIKESIGSNEEI...MPLPDEP..LE..EME	347
DKKLGQGGRENAKALLKEDKALADEITLKIKESIGSNEEI...MPLPDEP..LE..EME	347
DTKLGGGRDITVKELIKDNPELAELEAKIREKLQAK	343
GKIGQGKNNAVKWLKENPEIADKLEQEIRNTLASNPNS...VLKATASDSND..ESDVEEFSEEEEL	372
GAKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI...TEGT...Q..DETDERPEE	348
GAKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI...TEGT...Q..DETDERPEE	348
GAKIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI...TEGT...Q..DETDERPEE	348
GERIGQGRDNCREFLENALARIEIENKVRHLGVTPMG...AV.TLAEVEVE..D	352
GDKIGQGGKANACKYLNKENPEIAKTLDKKLREMLLNPNEM...QLIAETSSAAD..DVEFGAVPEEF	354
GDKIGQGGKANACKYLNKENPEIAKTLDKKLREMLLNPNEM...QLIAETSSAAD..DVEFGAVPEEF	354
GSKIGQGGKANAAKYLEENPEIGQIEEQIRAKLLVTSAN...TKATPVAEDLA..DADI	347
GNKIGQGGKNNVIRYLEENPQISTEIEAVIREQLLTKASD...QTAA.HDETEE..EPDLL..ES	349
GNKIGQGGKNNVIRIFYENNQIAEIERNIREQLLTTGTN...GAVQ.I.EDEE..EPDLL..LES	349

logo

		IEE	
NTDB id 57780 L3404 RS03470 WP 009872817.1	...	352	
NTDB id 600 KW2 RS01765 WP 011675413.1	...	387	
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NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388	
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388	
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384	
NTDB id 453 Spy49 1753c ACI62003.1	D..	378	
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NTDB id 1245 Cj1673c YP 002345041.1	...	343	
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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