

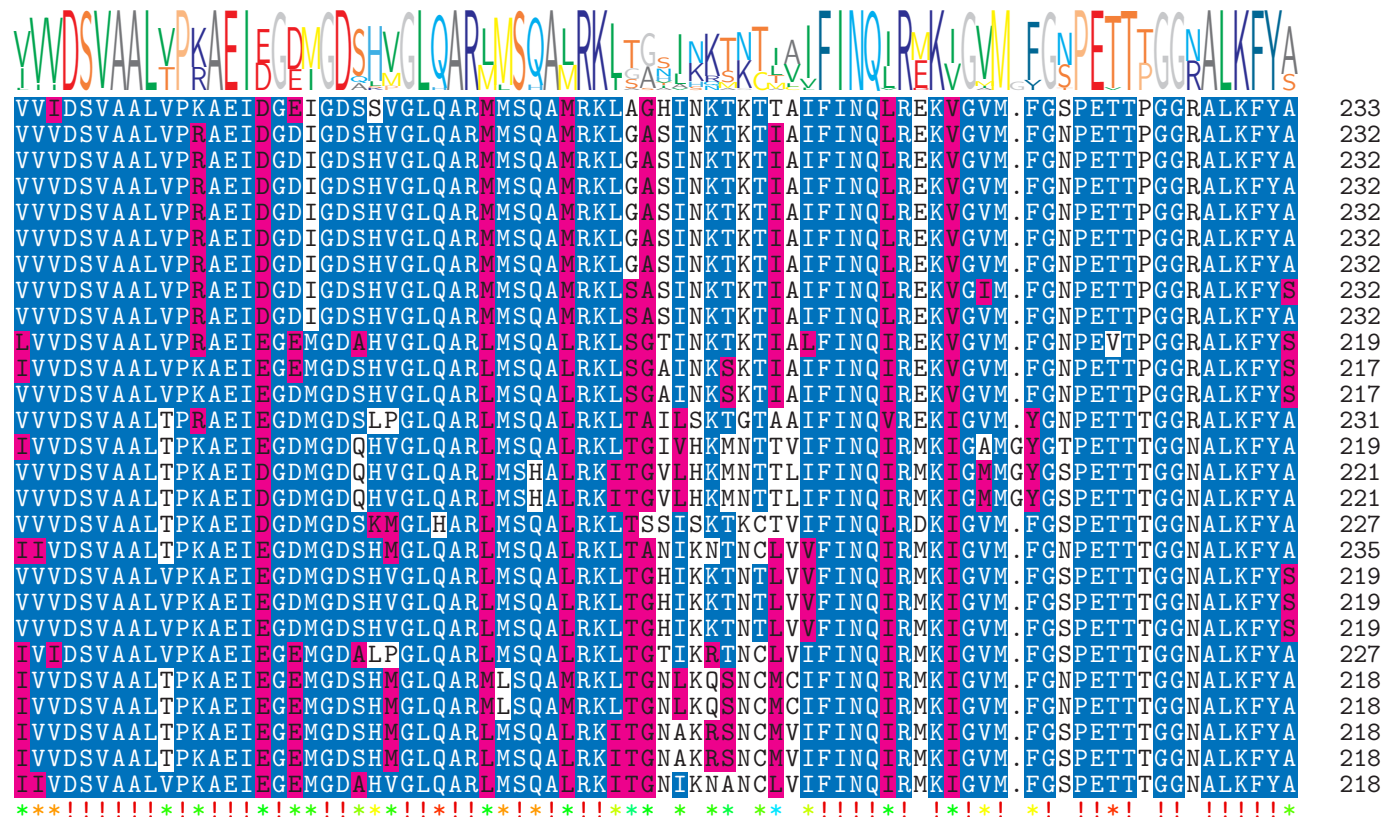
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NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
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NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
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NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK....PKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
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NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....LKKNEEITKKFGD	ERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVM	SSGSLALD	I	ALGAGGY	PKGR	73
NTDB id 625 LCA RS02525 WP 011374196.1	MAKD	ERQAALDAALKKIEKN	FGKGSIMRMGEK	.VDTQVST	VSSGSLALD	E	ALGVGGY	PRGR	60
NTDB id 334398 EQG57 RS21355 WP 013058804.1	MN	DRQAALDMALKQIEKQ	FGKGSIMKLGEQ	.TEKRIST	IPSGSLALD	I	ALGVGGY	PRGR	58
NTDB id 115 BSU 16940 NP 389576.2	MS	DRQAALDMALKQIEKQ	FGKGSIMKLGEK	.TDTRIST	VPSSGSLALD	T	ALGIGGY	PRGR	58
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTD	ERSKATETAMSQIEKA	FGKGSIMKLGA	E.SKLDVQV	VSTGSLSLD	L	ALGVGGI	PRGR	72
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NTDB id 1123 OK783 RS03845 WP 003688695.1	MSD	DKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEENLEV	ISTGSLGLD	L	ALGVGGL	PRGR	60
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDEN	KQKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVET	ISTGSLSLD	I	ALGAGGL	PMGR	59
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NTDB id 1205 PSJM300 05545 AFN77183.1	MDEN	KKRALAAALGQIEKQ	FGKGAVMRMGDH	.DRQAIPS	ISTGSLGLD	I	ALGIGGL	PKGR	59
consensus		*** **	***	***!	***!	*****	*	***!!*!!*!!*!!*!!*!!	

logo

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consensus	**	!	*	*	*	!	!	!	!	!	!	*	!	*	!	*	*	!	*	*	!	*	*	!	*	*	!	*	*	*	!	*	*	*	!	*	*	*	!	*																																									

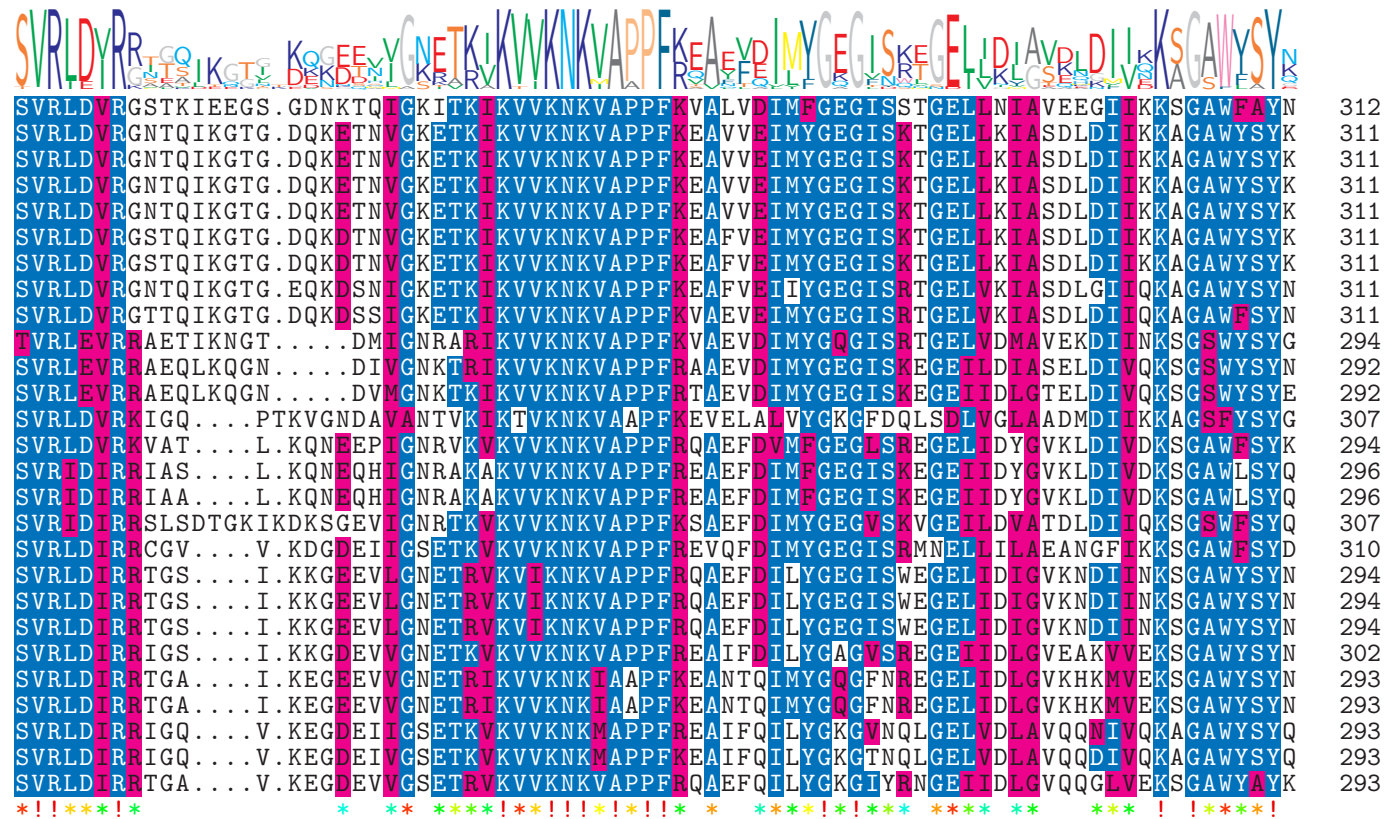
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NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 334398 EQG57 RS21355 WP 013058804.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RAOC 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 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

Sequence	Score
DEKIGGGAETAKAKNYLKEHQDVFEIDHKVRAAHGLDDSEVAETEEEE...TTASKTKAKAKKEEKAVETEEIELELED.	387
DEKIGGGSSENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQDTE...NKKDE...PKKEEA..VNEEVPLDLGDE	381
DEKIGGGSSENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQDTE...NKKDE...PKKEEA..VNEEVPLDLGDE	381
DEKIGGGSSENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQDTE...NKKDE...PKKEEA..VNEEVPLDLGDE	381
DEKIGGGSSENAKKYLAENPEVFAEIDHQVRVQFLIDGEEAAE...SKKDE...VAQVDS..VNEEVPLDLGDE	377
DEKIGGGSSENAKKYLAENPEIFDEIDHQVRVQFLIDGEEIAE...SKKDE...AAQVDS..VNEEVPLDLGDE	377
GEKIGGGSSENAKKFLADNPEIFDDIDHKVRVQGLIEEDNTEEEKQSS...KEK...ETDEK..ADKNLVLELDDT	378
GEKIGGGSSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEESAMAV...ASE...E...TDDLALDLNG	373
SERIGGQRENAKNYLADHEDVEVRLKVRAAAYGISDVPEEDLPTE...DEQINILPDDSTEE...DEQINILPDDSTEE	355
DERLGGQRENAAKQFLKENTDIRQEIAGQVREHHGLDQDGEPAPE.DD...D.QGDLNI	345
EERLGGQRENAAKQFLKENDIMLMIEQEQIREHYGLDNNGVVQQQ.AE...ETQEELEFEE	348
DERIGGQKEKTIAYIAIERPEMEQEIRDRVMAAIRAGNAGEAPALAPAAPEAAEA	363
DKKLGGQRENSKAFLENPEIADAITKAIQNSMGTIEGMI...SGSEDD..EGEE	343
DKKLGGQRENAAKALLKEDKALADEITLKIKESIGSNEEI...MPLPDE..PLEEME	347
DKKLGGQRENAAKALLKEDKALADEITLKIKESIGSNEEI...MPLPDE..PLEEME	347
DTKLGGQRDTVKELIKDNPELAEELEAKIREKLQAK	343
GKIGGQKNNNAVKWLKENPEIADKLEQEIRNTLASNPNS...VLKATASDSNDESDVEEFSEE...EL	372
GAKIGGQKDNVRVWLKENPEISDEIDAKIRALNGVEMHI...TEGTQDETGDGER...PEE	348
GAKIGGQKDNVRVWLKENPEISDEIDAKIRALNGVEMHI...TEGTQDETGDGER...PEE	348
GAKIGGQKDNVRVWLKENPEISDEIDAKIRALNGVEMHI...TEGTQDETGDGER...PEE	348
GERIGGQRDNCREFLRENAELAREIENKVRHLGVTPMG...AVTLA.EEEVED	352
GDKIGGQKANACKYLKENPEIAKTLDDKLREMLLNPNEM...QLIAETSSAADDVEFGAVPEE...F	354
GDKIGGQKANACKYLKENPEIAKTLDDKLREMLLNPNEM...QLIAETSSAADDVEFGAVPEE...F	354
GNKIGGQKNNVIRYLEENPQISTEIEAVIREQLLTKASD...QTAA.HDETEEEPDLL..ES	349
GNKIGGQKNNVIRYFEENNQIAEIEIERNIREQLLTTGTN...GAVQ.I.EDETEEPDLL..LES	349
GSKIGGQKANAACKYLENPEIQEIEQQIRAKLLVTSAN...TKATPVAEDLADADI	347

logo

NTDB id 600 KW2 RS01765 WP 011675413.1	.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	LEIEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	LEIEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	LEIEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	LEIEIEE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LEIEIEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	LEIEIEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	IELED..	383
NTDB id 453 Spy49 1753c ACI62003.1	IEIED..	378
NTDB id 625 LCA RS02525 WP 011374196.1	.....	355
NTDB id 334398 EQG57 RS21355 WP 013058804.1	.....	345
NTDB id 115 BSU 16940 NP 389576.2	.....	348
NTDB id 1313 DR RS12030 WP 010888966.1	.....	363
NTDB id 1245 Cj1673c YP 002345041.1	.....	343
NTDB id 1211 C694 RS00795 WP 000963128.1	.....	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	.....	347
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved