

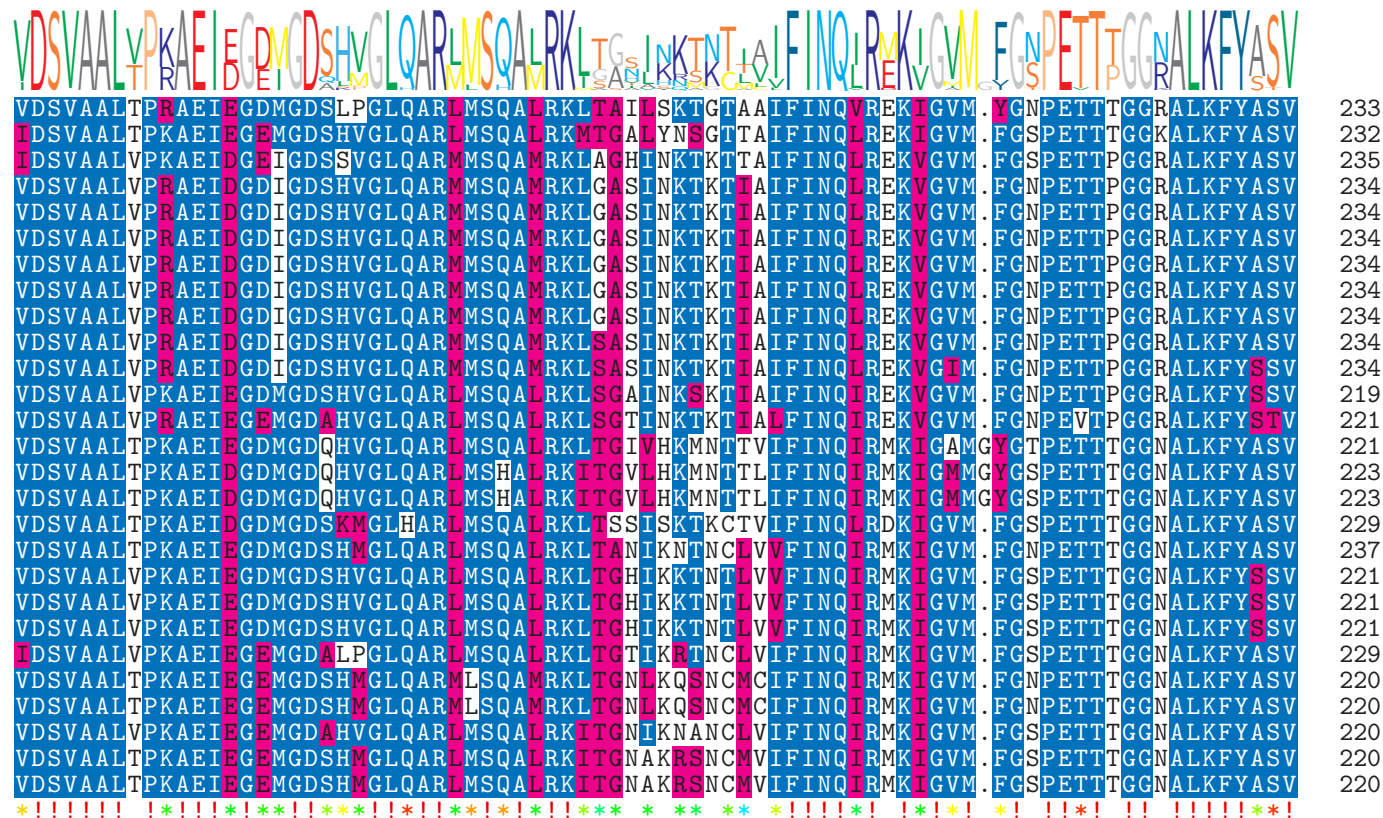
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NTDB id 1313 DR RS12030 WP 010888966.1	.MSKD...ATKEISAPTDAKERSKATETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGRIT	74
NTDB id 256434 A9D01 RS04225 WP 046645315.1	.MAT....KKKSTAAAAKGDQRKALDAAMAMIEKD FGKGAVMRLGDD.ERPP IQAISSGNTAIDIALGIGGFPRGRIV	73
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK...KTNFDDITKKYGAERDKALADALALIEKDFGKGSIMRLGEA.ANQKVSVVSSGSLALDIALGAGGYPKGRIV	76
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK...PKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRIT	75
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NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYPRGRIV	62
NTDB id 1245 Cj1673c YP 002345041.1	MDNKRKSLDAALKSLDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGRIT	61
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKATISLAIKQIDKVFVGKGALVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPKGRIT	63
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKATISLAIKQIDKVFVGKGALVRLGDK.QVEKIDAISTGSLGLDLALGIGGVPKGRIT	63
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKTETTSPNDDKKKALAAVLEKLDKTYGKGTVMKLGDGTVDHNIIEVIPSGSLGLDLALGVGGYPKGRIV	70
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTVVVKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGRIV	78
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....KKAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLDVALGVGGLPRGRVV	70
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRIV	61
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSIISTGSLGLDIALGIGGLPKGRIV	61
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIT	61
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIV	61
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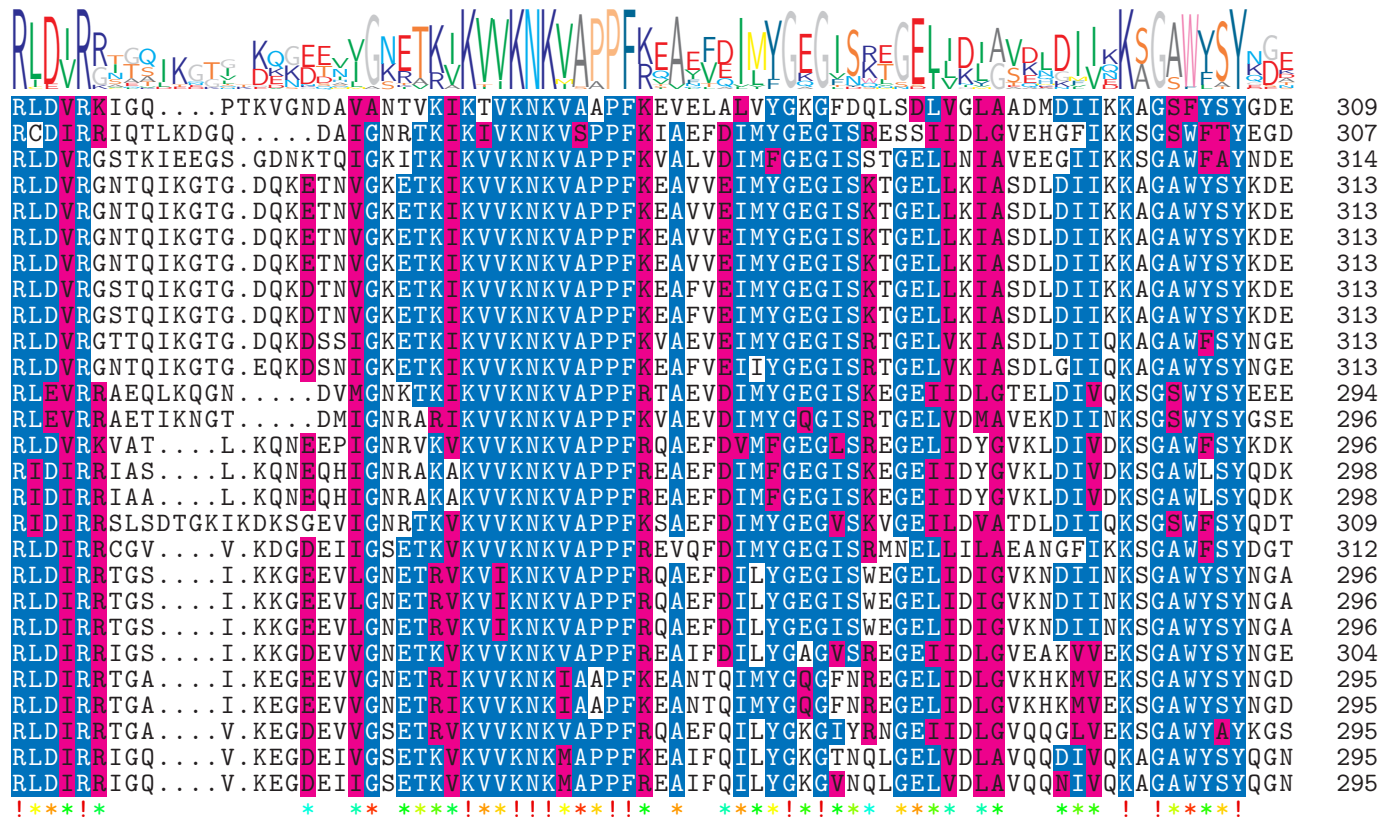
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NTDB id 600 KW2 RS01765 WP 011675413.1	EIYGPESSGKTTT	156
NTDB id 269 KZH43 RS08665 WP 001085462.1	EIYGPESSGKTTT	155
NTDB id 228 SPD RS09265 WP 001085462.1	EIYGPESSGKTTT	155
NTDB id 194 SPR RS08825 WP 001085462.1	EIYGPESSGKTTT	155
NTDB id 159 SP RS09750 WP 001085462.1	EIYGPESSGKTTT	155
NTDB id 499 SM12261 RS08315 WP 078228268.1	EIYGPESSGKTTT	155
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EIYGPESSGKTTT	155
NTDB id 453 Spy49 1753c ACI62003.1	EIYGPESSGKTTT	155
NTDB id 408 SMU RS09530 WP 002262392.1	EIYGPESSGKTTT	155
NTDB id 115 BSU 16940 NP 389576.2	EIYGPESSGKTTT	140
NTDB id 625 LCA RS02525 WP 011374196.1	EIYGPESSGKTTT	142
NTDB id 1245 Cj1673c YP 002345041.1	EIYGPESSGKTTT	141
NTDB id 1211 C694 RS00795 WP 000963128.1	EIYGPESSGKTTT	143
NTDB id 1214 NCTC11637 00359 SQJ03206.1	EIYGPESSGKTTT	143
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NTDB id 1427 RS RS02760 WP 011000510.1	EIYGPESSGKTTT	150
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NTDB id 1205 PSJM300 05545 AFN77183.1	EIYGPESSGKTTT	141
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	EIYGPESSGKTTT	141
consensus		

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NTDB id 1022 ACIAD RS06390 WP 004925639.1
consensus



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NTDB id 269 KZH43 RS08665 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE	387	
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NTDB id 194 SPR RS08825 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE	387	
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NTDB id 1334 RAOC RS04870 WP 004918236.1	KLGGGRD	TVKELTKDNPELAEELEAKIREKLQAK.....	343	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	KIGQGGKNN	AVKWLKENPEIADKLEQEIRNTLASNPNSVLKATASDSNDESDVEE.FS.....EEEL.....	372	
NTDB id 1130 NGFG RS03960 WP 003688695.1	KIGQGGKDNVRVWLKENPEISDEIDAKIRALNGV	EMHITEGTQDET.....DGE.RP.....EE.....	348	
NTDB id 1124 NGFG RS03960 WP 003688695.1	KIGQGGKDNVRVWLKENPEISDEIDAKIRALNGV	EMHITEGTQDET.....DGE.RP.....EE.....	348	
NTDB id 1123 OK783 RS03845 WP 003688695.1	KIGQGGKDNVRVWLKENPEISDEIDAKIRALNGV	EMHITEGTQDET.....DGE.RP.....EE.....	348	
NTDB id 1427 RS RS02760 WP 011000510.1	RIGQGRDNCREFLRENAELAREIENKVREHLGV	TPMGAVTLA.EEVEED.....	352	
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	KIGQGGKNN	VIRYLEENPQISTEIEAVIREQLLTKASDQTAA.HDETEE	EPD..L.LE.....S.....	349
consensus	***!!!!***** ** ***** ***** ** *	*		

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NTDB id	1313	DR	RS12030	WP	010888966.1	.	363
NTDB id	256434	A9D01	RS04225	WP	046645315.1	.	377
NTDB id	600	KW2	RS01765	WP	011675413.1	.	387
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NTDB id	228	SPD	RS09265	WP	001085462.1	E	388
NTDB id	194	SPR	RS08825	WP	001085462.1	E	388
NTDB id	159	SP	RS09750	WP	001085462.1	E	388
NTDB id	499	SM12261	RS08315	WP	078228268.1	E	384
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NTDB id	1074	ABD1	RS10195	WP	000344167.1	.	349
NTDB id	1022	ACIAD	RS06390	WP	004925639.1	.	349
consensus							

- ☐ non conserved
- ☒ similar
- ☒ $\geq 50\%$ conserved