

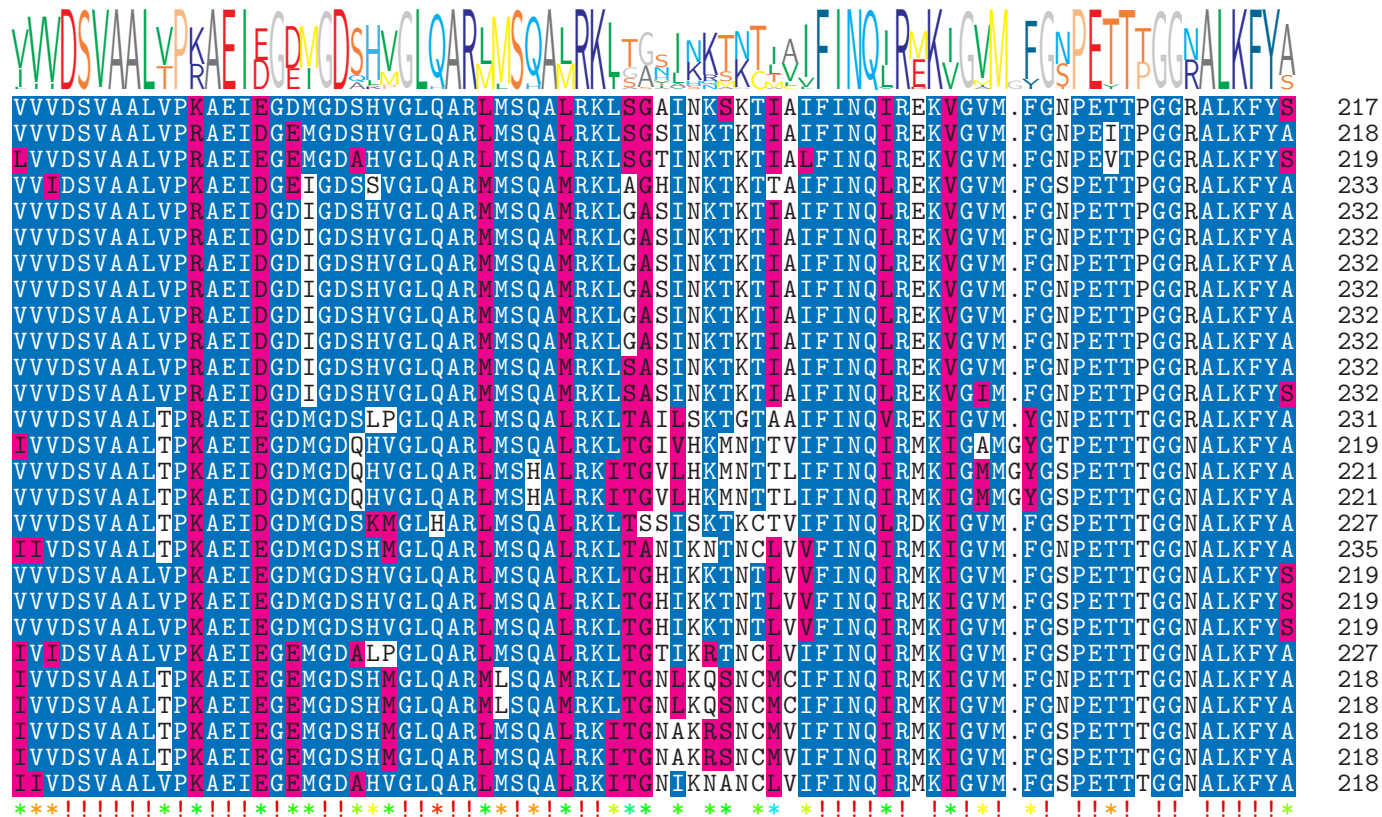
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NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQFGKCSIMKLCEK.TDTRISTVPSGSLALDTALGIGGYPRGR	58
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NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKNFGKCSIMRMCEK.VDTQVSTVSSGSLALDEALGVGGYPRGR	60
NTDB id 600 KW2 RS01765 WP 011675413.1	MATK.....KKTNFDDITKKYGAERDKALADALALIEKDFGKCSIMRLCEA.ANQKVSVSSGSLALDTALCAGGYPRGR	74
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NTDB id 453 Spy49 1753c ACI62003.1	.MAK.....KLKKNEEITKKFGDERRKALDDALKNIEKDFGKCAVMRLCER.AEQKVQVMSSGSLALDTALCAGGYPRGR	73
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NTDB id 1245 Cj1673c YP 002345041.1	MDENKRRSLDAALKSLDKTFGKCTILRLCDK.EVEQIDSIGTGSVGLDLALCIGGVPRGR	59
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKATSLATKQIDKVFVGKCALVRLCDK.QVEKIDISTGSLGLDLALCIGGVPRGR	61
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NTDB id 1334 RA0C RS04870 WP 004918236.1	MAKT..ETTSPPNDKKKALAALVLEKLDKTYGKCTVMKLCGDTVVDHNLEVIIPSGSLGLDLALGVGGYPKGR	68
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQIEKQFGKCSIMRLCDN.RAMDVETISTGSLSLDLALCAGGLPMGR	59
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQIEKQFGKNTVMRLCDN.TVQAVEAVSTGSLTLDIALCIGGLPKGR	59
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALGQIEKQFGKCAVMRMGDH.DRQAIPSTGSLGLDLALCIGGLPKGR	59
consensus	*** ** *	

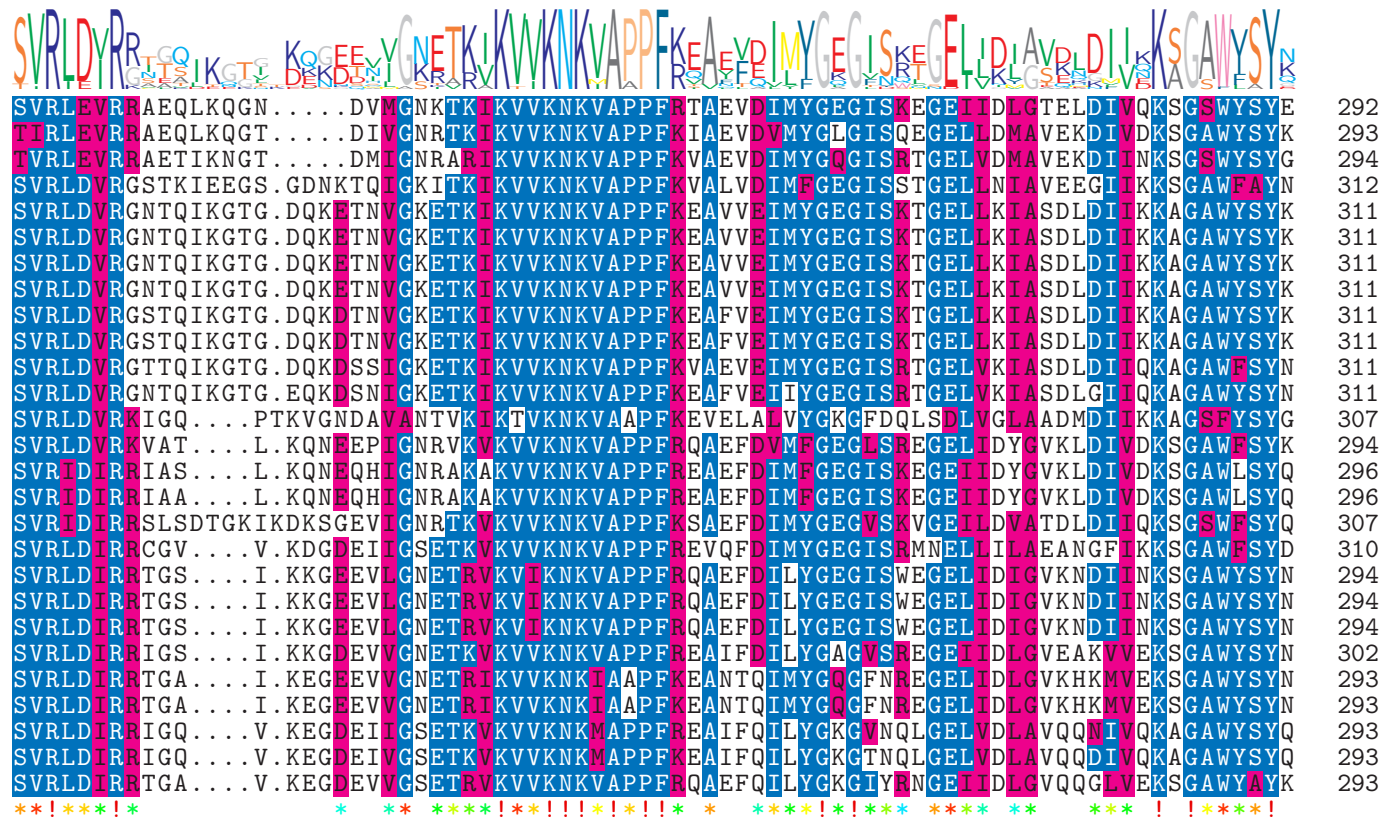
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NTDB id 115 BSU 16940 NP 389576.2	IIEIYGP	ESSGKTT	VALHATAEV	QQQGGQA	AFIDAEHALDP	VYAQK	LGVN	DELL	SQPD	GEQALE	ITAEAL	VRSGAVD	I	138	
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NTDB id 228 SPD RS09265 WP 001085462.1	IIEIYGP	ESSGKTT	VALHATAEV	QAQKEGGIA	AFIDAEHALDP	AYAAA	LGVN	DELL	SQPD	SGEQGLE	ITAGKL	ID	SGAVD	L	153
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NTDB id 159 SP RS09750 WP 001085462.1	IIEIYGP	ESSGKTT	VALHATAEV	QAQKEGGIA	AFIDAEHALDP	AYAAA	LGVN	DELL	SQPD	SGEQGLE	ITAGKL	ID	SGAVD	L	153
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NTDB id 1130 NGFG RS03960 WP 003688695.1	IVEIYGP	ESSGKTT	VALHATAEV	QAQKNGGTA	AFIDAEHALDP	VYARK	LGVN	DELL	SQPD	TGEQALE	ITCDTL	VRSGG	ITD	M	140
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consensus	IIEIYGP	ESSGKTT	VALHATAEV	QAQKNGGTA	AFIDAEHALDP	VYARK	LGVN	DELL	SQPD	TGEQALE	ITCDAL	VRSGAVD	V	139	

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NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
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NTDB id 408 SMU RS09530 WP 002262392.1
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NTDB id 1124 NGFG RS03960 WP 003688695.1
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus



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consensus



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NTDB id 115 BSU 16940 NP 389576.2	EEERIGQGRENAAKQFLKENKDIIMLMIQEQIREHYCIDNMGVVQQQAEETQEEL.....EFEE.....	348
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NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQGRENAAKNYLADHEDVEDEVRLKVRAAAYCISDVPEEDLPTE.DEQI.....NILPDDSTEE..	355
NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQCAEKAKNYLKEHQDVFEIDHKVRAAHCILDDSEVAETEEETTASKTAKAKKKEEKAVETEEIELELED.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGSENAAKKYLAEHPEIFDEIDKQVRSKFCILDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGSENAAKKYLAEHPEIFDEIDKQVRSKFCILDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGSENAAKKYLAEHPEIFDEIDKQVRSKFCILDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGSENAAKKYLADNPEVFAEIDHQVRVQFCILDGEEAAE....SKKDE....VAQVDS..VNEEVTLDLGDELEIE	381
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGSENAAKKYLADNPEIFDEIDHQVRVQFCILDGEEIAE....SKKDE....AAQVDS..VNEEVTLDLGDELEIE	381
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGSENAAKRYLADHPQLFDEIDRKVRVKFCILLEEEEEESAMAVASE.....E.....TDDLALDLNGIEIE	377
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGSENAAKKFLADNPEIFDDIDHKVRVQYCIIEEDNTEEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELE	382
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NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQGKNNAVKVLKENPEIADKLEQEIRNTLASNPNS....VLKATASDSNDES.....DVEEFSEEEEL...	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQCKDNVRVWLKENPEISDEIDAKIRALNCVEMHI....TEGTQDETDGER.....PEE.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQCKDNVRVWLKENPEISDEIDAKIRALNCVEMHI....TEGTQDETDGER.....PEE.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQCKDNVRVWLKENPEISDEIDAKIRALNCVEMHI....TEGTQDETDGER.....PEE.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGRDNCREELRENAELAREIENKVRHLGVTPMG....AVTLA.EEVEED.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQGGKANACKYLLKENPEIAKTLDKKLREMLLNPENM....QLIAETSSAADDV.....EFGAVPEEF....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQGGKANACKYLLKENPEIAKTLDKKLREMLLNPENM....QLIAETSSAADDV.....EFGAVPEEF....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQCKNNVIRYLEENPQISTEIEAVIREQLLTKASD....QTAA.HDETEEEP.....DLL..ES.....	349
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NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGGKANAACYLLEENPEIGQEIEQQIRAKLLVTSAN....TKATPVAEDLADA.....DI.....	347
consensus	***!!!***** * * * * * * * * * * * * * * * * * *	

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NTDB id 1125723 EQB55 RS12895 WP 002287328.1	...	349	
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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387	
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388	
NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388	
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388	
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384	
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NTDB id 1334 RA0C RS04870 WP 004918236.1	...	343	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	...	372	
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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	
NTDB id 1205 PSJM300 05545 AFN77183.1	...	347	
consensus			

- non conserved
- similar
- ≥ 50% conserved