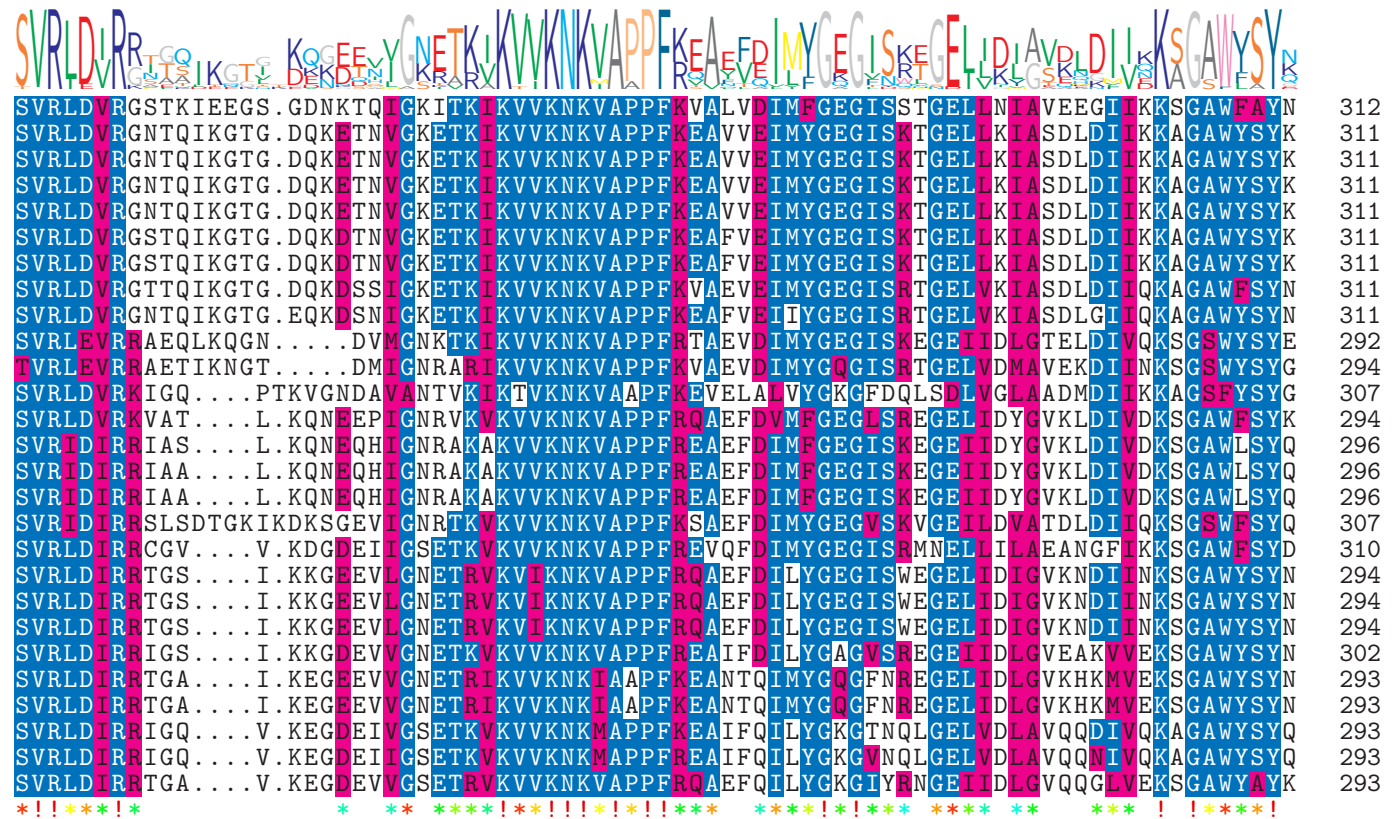


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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....KTNFDDITKKYGA	ERD	KAL	ADAL	AL	IEKD	FGKGS	LMRLGE	A	ANQKVSV	VSSGSL	ALD	I	ALG	AGGY	PKGR	74		
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	AEQKVQVM	S	SSGSL	ALD	I	ALG	SGGY	PKGR	73	
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	AEQKVQVM	S	SSGSL	ALD	I	ALG	SGGY	PKGR	73	
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	AEQKVQVM	S	SSGSL	ALD	I	ALG	SGGY	PKGR	73	
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	AEQKVQVM	S	SSGSL	ALD	I	ALG	SGGY	PKGR	73	
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....PKKLDEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	AEQKVQVM	S	SSGSL	ALD	I	ALG	SGGY	PKGR	73	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLDEISKKFGA	ERE	KAL	ND	AL	KL	IEKD	FGKGS	SIMRLGER	AEQKVQVM	S	SSGSL	ALD	I	ALG	SGGY	PKGR	73	
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEITKKFG	DERR	KAL	DD	AL	KN	IEKD	FGKGA	V	MRLGER	AEQKVQVM	S	SSGSL	ALD	I	ALG	AGGY	PKGR	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEITKKFG	DER	KAL	DD	AL	KN	IEKD	FGKGA	V	MRLGER	AEQKVQVM	S	SSGSL	ALD	I	ALG	AGGY	PKGR	73
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALK	QIEK	Q	FGKGS	SIMKLGEK	TDTR	ISTV	PSGSL	ALD	TALG	IGGY	PRGR	58						
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDA	AL	KK	IEKN	FGKGS	SIMRMGEK	VDTQ	VSTV	SSGSL	ALDE	ALGV	GGY	PRGR	60					
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTD	AKERS	KA	TET	AMS	QIEKA	FGKGS	SIMKLGA	E	SKLD	VQV	VSTG	SLSLD	I	ALG	VGGI	PRGR	72	
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDA	AL	KS	LDKT	FGKGTILRLG	DK	EVEQ	IDS	IGTGS	VGLD	I	ALG	IGGY	VP	PKGR	59			
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKAI	SLAIKQ	IDKV	FGKGALVRLG	DK	QVEK	IDS	ISTG	SLGLD	I	ALG	IGGY	VP	PKGR	61				
NTDB id 320084 D4K94 RS07015 WP 000952102.1	MAIDEDKQKAI	SLAIKQ	IDKV	FGKGALVRLG	DK	QVEK	IDA	ISTG	SLGLD	I	ALG	IGGY	VP	PKGR	61				
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKAI	SLAIKQ	IDKV	FGKGALVRLG	DK	QVEK	IDA	ISTG	SLGLD	I	ALG	IGGY	VP	PKGR	61				
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSPN	DDKK	KALAAV	LEKLDKT	YGKGTVM	KLGD	GTVDH	NI	EVIP	SGSL	GLD	I	ALG	VGGY	PKGR	68			
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEP	EQKKQ	ALEA	ALA	QIEKQ	FGKGS	SIMKLQ	QT	EQLD	IESV	STGSL	GLD	I	ALG	IGGL	PMGR	76		
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKS	KALAAAL	AQIEKS	FGKGA	AIMKMDGS	Q	Q	Q	EEN	LEV	ISTG	SLGLD	I	ALG	VGGL	PRGR	60		
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKS	KALAAAL	AQIEKS	FGKGA	AIMKMDGS	Q	Q	Q	EEN	LEV	ISTG	SLGLD	I	ALG	VGGL	PRGR	60		
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKS	KALAAAL	AQIEKS	FGKGA	AIMKMDGS	Q	Q	Q	EEN	LEV	ISTG	SLGLD	I	ALG	VGGL	PRGR	60		
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMS	AEKQ	KALAAAL	AQIEKQ	FGKGS	SIMKMG	DA	EVEP	VQV	VSTG	SLGLD	I	ALG	VGGL	PRGR	68			
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDENKQ	KALAAAL	GQIEKQ	FGKGS	SIMRLG	DN	RAMD	VET	ISTG	SLSLD	I	ALG	AGGL	PMGR	59				
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQ	KALAAAL	GQIEKQ	FGKGS	SIMRLG	DN	RAMD	VET	ISTG	SLSLD	I	ALG	AGGL	PMGR	59				
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENK	SKALQA	ALSQIEKQ	FGKNTVM	RLG	DN	TVQA	VEA	VSTG	SLTLD	I	ALG	IGGL	PKGR	59				
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNK	SKALQA	ALSQIEKQ	FGKNTVM	RLG	DN	TVQA	VEA	VSTG	SLTLD	I	ALG	IGGL	PKGR	59				
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKK	RALAAAL	GQIEKQ	FGKGA	V	MRMG	DH	DRQA	IPS	ISTG	SLGLD	I	ALG	IGGL	PKGR	59			
consensus	***	***	*	***!	***!	*****	*	***!!*!!*!!*!!*!!*!!	!!	***!!									

NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
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 320084 D4K94 RS07015 WP 000952102.1
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
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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 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus



NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
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NTDB id 1427 RS RS02760 WP 011000510.1
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NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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		IEE	
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 499 SM12261 RS08315 WP 078228268.1	IEE	384	
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NTDB id 408 SMU RS09530 WP 002262392.1	D..	383	
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NTDB id 625 LCA RS02525 WP 011374196.1	...	355	
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NTDB id 1245 Cj1673c YP 002345041.1	...	343	
NTDB id 1211 C694 RS00795 WP 000963128.1	...	347	
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349	
NTDB id 1205 PSJM300 05545 AFN77183.1	...	347	
consensus			

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