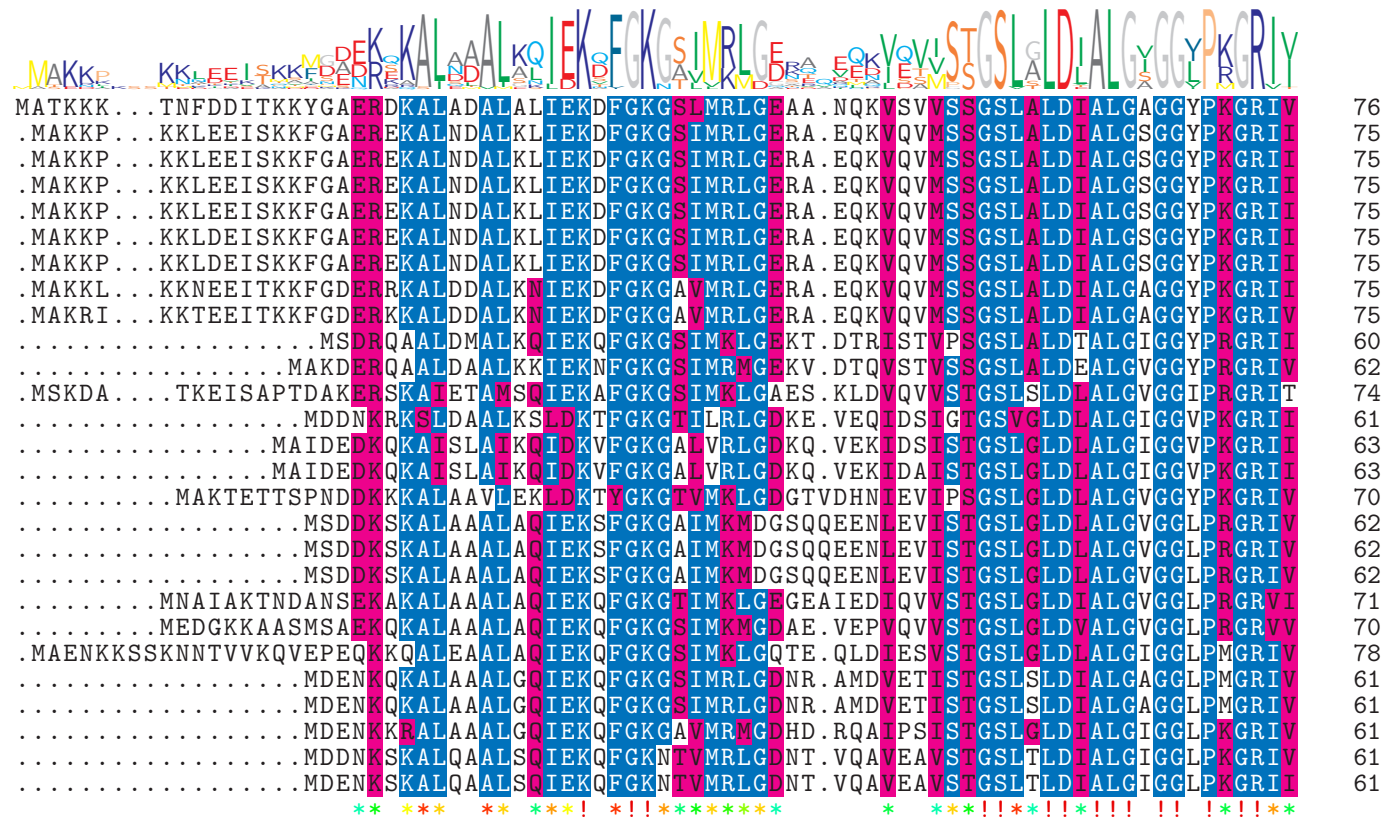


logo

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NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
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NTDB id 1211 C694 RS00795 WP 000963128.1
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NTDB id 1123 OK783 RS03845 WP 003688695.1
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NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
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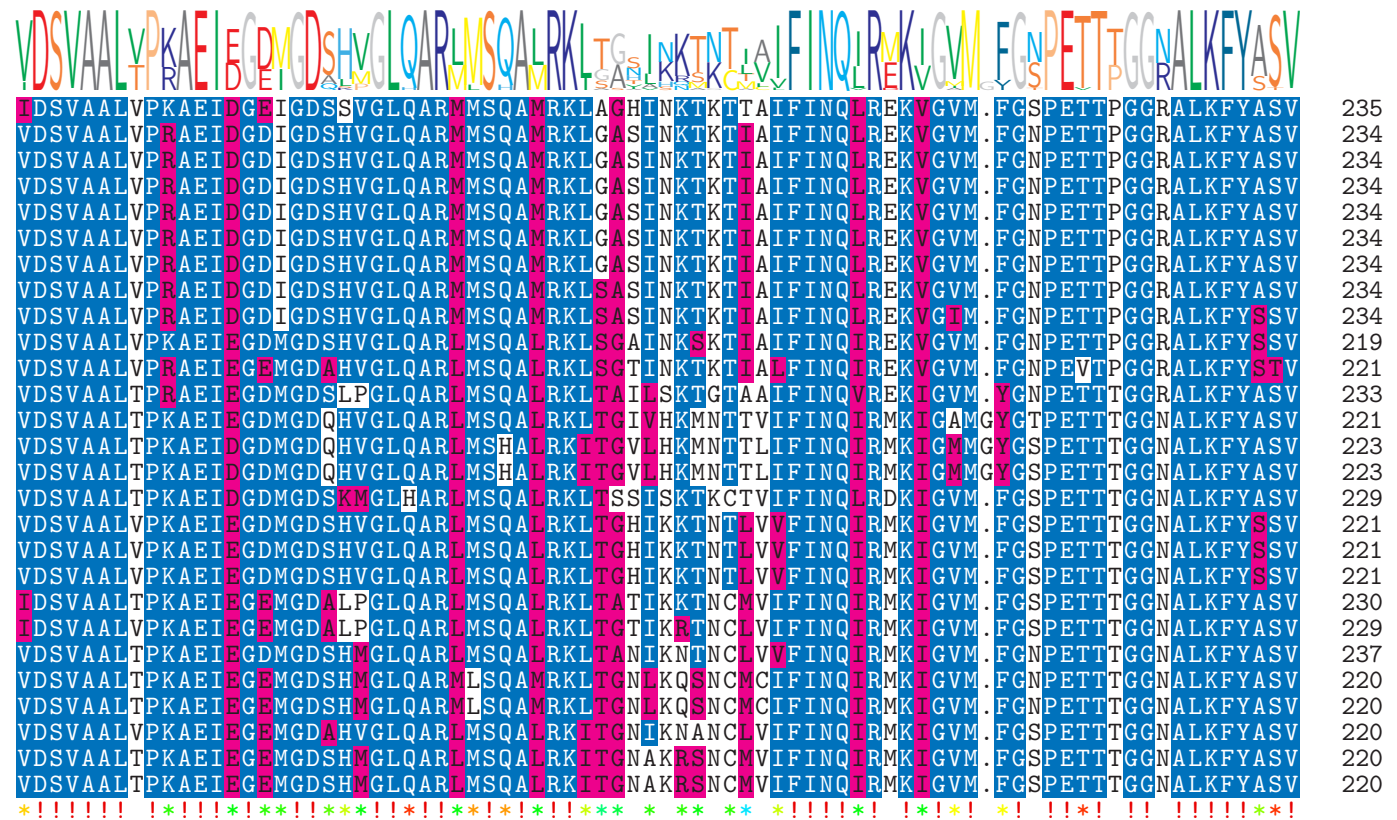
consensus



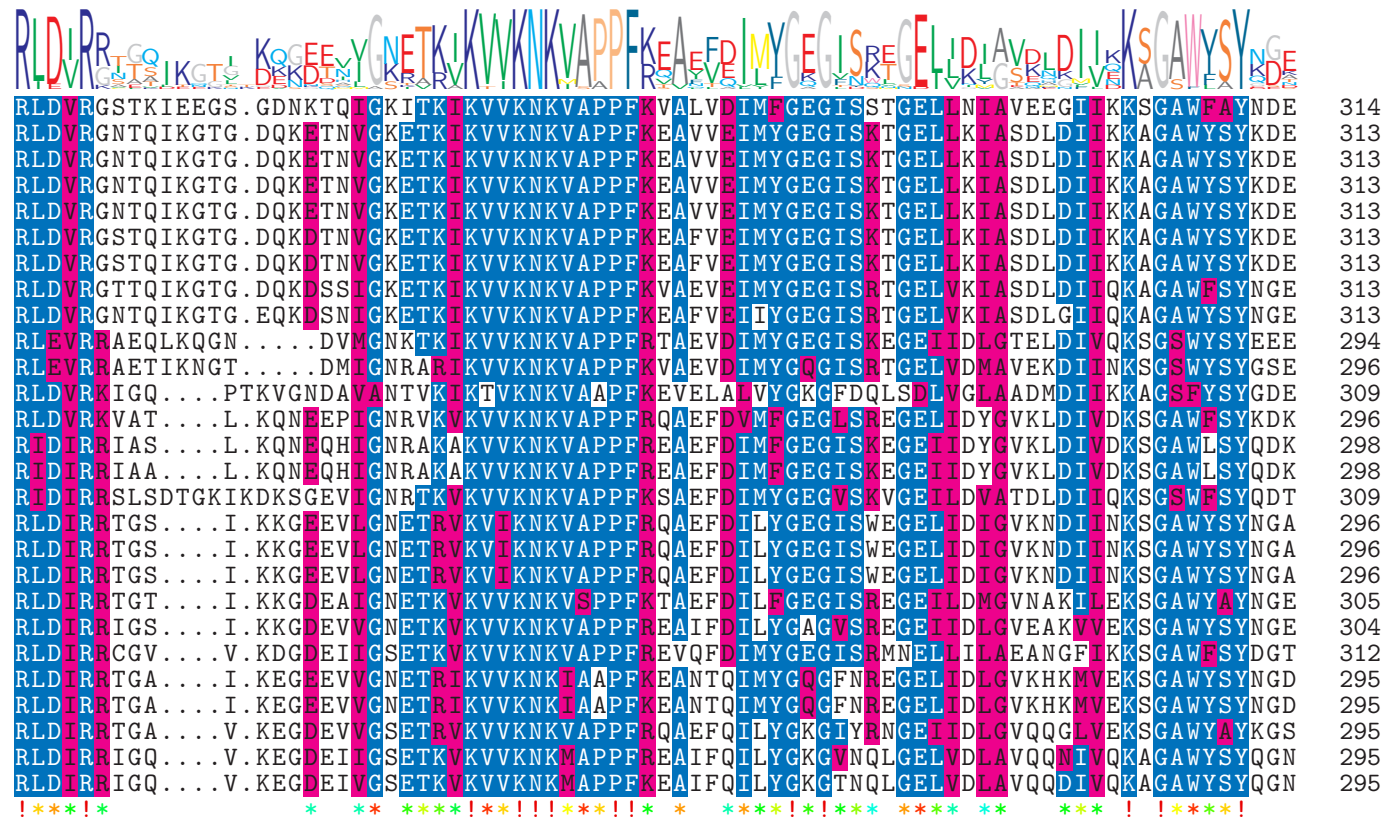
logo

NTDB id 600 KW2 RS01765 WP 011675413.1	EIYGPESSGKTTVALHAVA	AAVQKEGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	156
NTDB id 269 KZH43 RS08665 WP 001085462.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	155
NTDB id 228 SPD RS09265 WP 001085462.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	155
NTDB id 194 SPR RS08825 WP 001085462.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	155
NTDB id 159 SP RS09750 WP 001085462.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	155
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	155
NTDB id 499 SM12261 RS08315 WP 078228268.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	155
NTDB id 453 Spy49 1753c ACI62003.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	155
NTDB id 408 SMU RS09530 WP 002262392.1	EIYGPESSGKTTVALHAVA	QAQKEGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	155
NTDB id 115 BSU 16940 NP 389576.2	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	140
NTDB id 625 LCA RS02525 WP 011374196.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	142
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NTDB id 1245 Cj1673c YP 002345041.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	141
NTDB id 1211 C694 RS00795 WP 000963128.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	143
NTDB id 1214 NCTC11637 00359 SQJ03206.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	143
NTDB id 1334 RAOC RS04870 WP 004918236.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	150
NTDB id 1130 NGFG RS03960 WP 003688695.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	142
NTDB id 1124 NGFG RS03960 WP 003688695.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	142
NTDB id 1123 OK783 RS03845 WP 003688695.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	142
NTDB id 59978 CTR2 RS27405 WP 057094139.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	151
NTDB id 1427 RS RS02760 WP 011000510.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	150
NTDB id 1389 A4U84 RS07560 WP 021112712.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	158
NTDB id 1165 A1552VC RS01565 WP 000344154.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	141
NTDB id 1142 GTF74 RS11550 WP 000344154.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	141
NTDB id 1205 PSJM300 05545 AFN77183.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	141
NTDB id 1022 ACIAD RS06390 WP 004925639.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	141
NTDB id 1074 ABD1 RS10195 WP 000344167.1	EIYGPESSGKTTVALHAVA	AEVQKGGIAAFIDAENALDPEYAKALGVNIDELL	LSQPDYGEQGLQIAEKLITSGAVDLVV	141
consensus	!*****!	!*****!	!*****!	!*****!

NTDB id 600 KW2 RS01765 WP 011675413.1
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NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus



NTDB id 600 KW2 RS01765 WP 011675413.1
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consensus



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NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAETEEETT	ASKTKAKAKK	...	EEKAVETEEIELELED	...	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	...	PKK...	EEA..VNEEVPLDLGDELE		383
NTDB id 228 SPD RS09265 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	...	PKK...	EEA..VNEEVPLDLGDELE		383
NTDB id 194 SPR RS08825 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	...	PKK...	EEA..VNEEVPLDLGDELE		383
NTDB id 159 SP RS09750 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	...	PKK...	EEA..VNEEVPLDLGDELE		383
NTDB id 527 SMSK321 RS11065 WP 001085454.1	KIGQGS	ENAKKYLADNPEVFAE	IDHQVRVQFGL	IDGEEAAE	...	SKKDE...VAQ...	VDS..VNEEVTLDLGDELE		379
NTDB id 499 SM12261 RS08315 WP 078228268.1	KIGQGS	ENAKKYLADNPEIF	DEIDHQVRVQFGL	IDGEEIAE	...	SKKDE...AAQ...	VDS..VNEEVTLDLGDELE		379
NTDB id 453 Spy49 1753c ACI62003.1	KIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEESAMAVASE	...	E.....	TDDLALDLDNIE		375
NTDB id 408 SMU RS09530 WP 002262392.1	KIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEKQSSKEK	...	ET....	DEK...ADKNLVLELDDTIE		380
NTDB id 115 BSU 16940 NP 389576.2	RLGQGR	ENAKQFLKENKDIMLMI	QEQIREHYGL	DNNGVVQQAETQEEL	...	EFE.E.....			348
NTDB id 625 LCA RS02525 WP 011374196.1	RIGQGR	ENAKNYLADHEDVE	DEVRLKVRAAYG	ISDVPEEDLPTTEDE	...	QI.NILPDD....	ST.....EE.....		355
NTDB id 1313 DR RS12030 WP 010888966.1	RIGQGK	EKTIAIYTAERP	EMEQEIRDRVMAA	IRAGNAGEAPALAP	...	APAAPEAAEA.....			363
NTDB id 1245 Cj1673c YP 002345041.1	KLGGGR	ENSKAFLKENPEIA	DEITKAIQNSMG	IEGMI	...	SGSEDDEGEE.....			343
NTDB id 1211 C694 RS00795 WP 000963128.1	KLGGGR	ENAKALLKEDKAL	ADEITLKI	KESIGSNEEI	...	MPLPDEPLEEME.....			347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KLGGGR	ENAKALLKEDKAL	ADEITLKI	KESIGSNEEI	...	MPLPDEPLEEME.....			347
NTDB id 1334 RAOC RS04870 WP 004918236.1	KLGGGR	DTVKELIKDNPELA	EELEAKIREKLQAK	...					343
NTDB id 1130 NGFG RS03960 WP 003688695.1	KIGQGD	NVRVWLKENPEIS	DEIDAKIRALNG	VEMHI	...	TEGTQDET	DGERPEE	...	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	KIGQGD	NVRVWLKENPEIS	DEIDAKIRALNG	VEMHI	...	TEGTQDET	DGERPEE	...	348
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NTDB id 1427 RS RS02760 WP 011000510.1	RIGQGR	DNCREFLRENAEL	AREIENKVRHL	GVTMPG	...	AVTLAEEVEED	...		352
NTDB id 1389 A4U84 RS07560 WP 021112712.1	KIGQGN	NAVKWLKENPEIA	DKLEQEI	RNTLASNPNS	...	VLKATASDSNDES	...	DVEEFSEEEL	372
NTDB id 1165 A1552VC RS01565 WP 000344154.1	KIGQGN	ANACKYLVKENPEI	AKTLDKKLREMLLN	PNENM	...	QLIAETSSAADDV	...	EFGAVPEEF	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	KIGQGN	ANACKYLVKENPEI	AKTLDKKLREMLLN	PNENM	...	QLIAETSSAADDV	...	EFGAVPEEF	354
NTDB id 1205 PSJM300 05545 AFN77183.1	KIGQGN	ANAAYLEENPEIG	EQIEQQIRAKLL	VTSAN	...	TKATPVAEDLADA	...	DI.....	347
NTDB id 1022 ACIAD RS06390 WP 004925639.1	KIGQGN	NVIRYLEENPQISTE	IEAVIREQLLT	KASD	...	QTAA.HDETEEEP	...	DLL..ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGN	NVIRYFEENNQIAE	EIERNIREQLLT	TGTN	...	GAVQ.I.EDEEEP	...	DLL..LES.....	349
consensus	**!!!	*****	**	*****	*****	**	**		

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NTDB id 600 KW2 RS01765 WP 011675413.1			387
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NTDB id 194 SPR RS08825 WP 001085462.1	IEIEE		388
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEIEE		384
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEIEE		384
NTDB id 453 Spy49 1753c ACI62003.1	IED..		378
NTDB id 408 SMU RS09530 WP 002262392.1	LED..		383
NTDB id 115 BSU 16940 NP 389576.2	.....		348
NTDB id 625 LCA RS02525 WP 011374196.1	.....		355
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 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 59978 CTR2 RS27405 WP 057094139.1	.....		369
NTDB id 1427 RS RS02760 WP 011000510.1	.....		352
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.....		372
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....		354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....		354
NTDB id 1205 PSJM300 05545 AFN77183.1	.....		347
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....		349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....		349
consensus			

- ⓧ non conserved
- ⓧ similar
- ⓧ ≥ 50% conserved