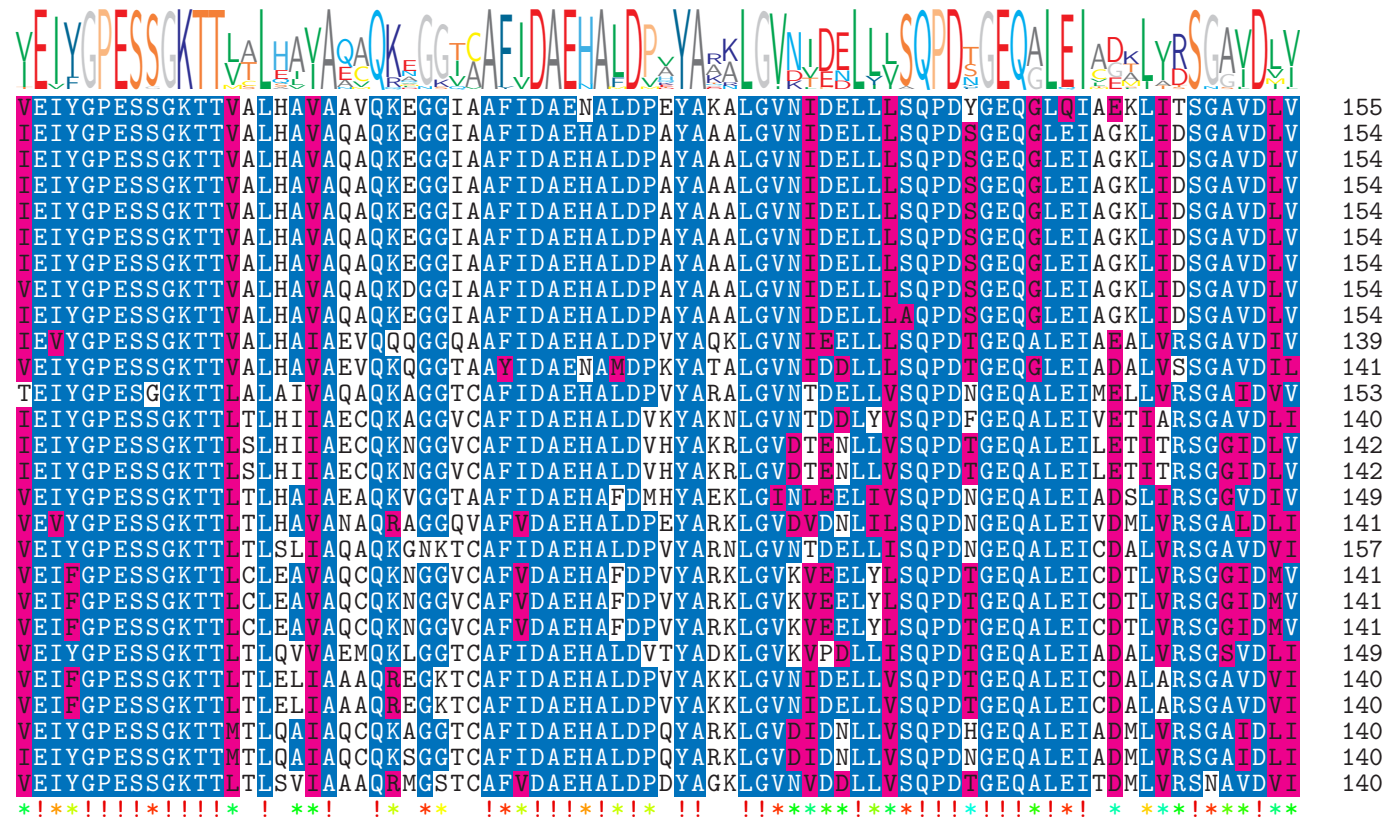
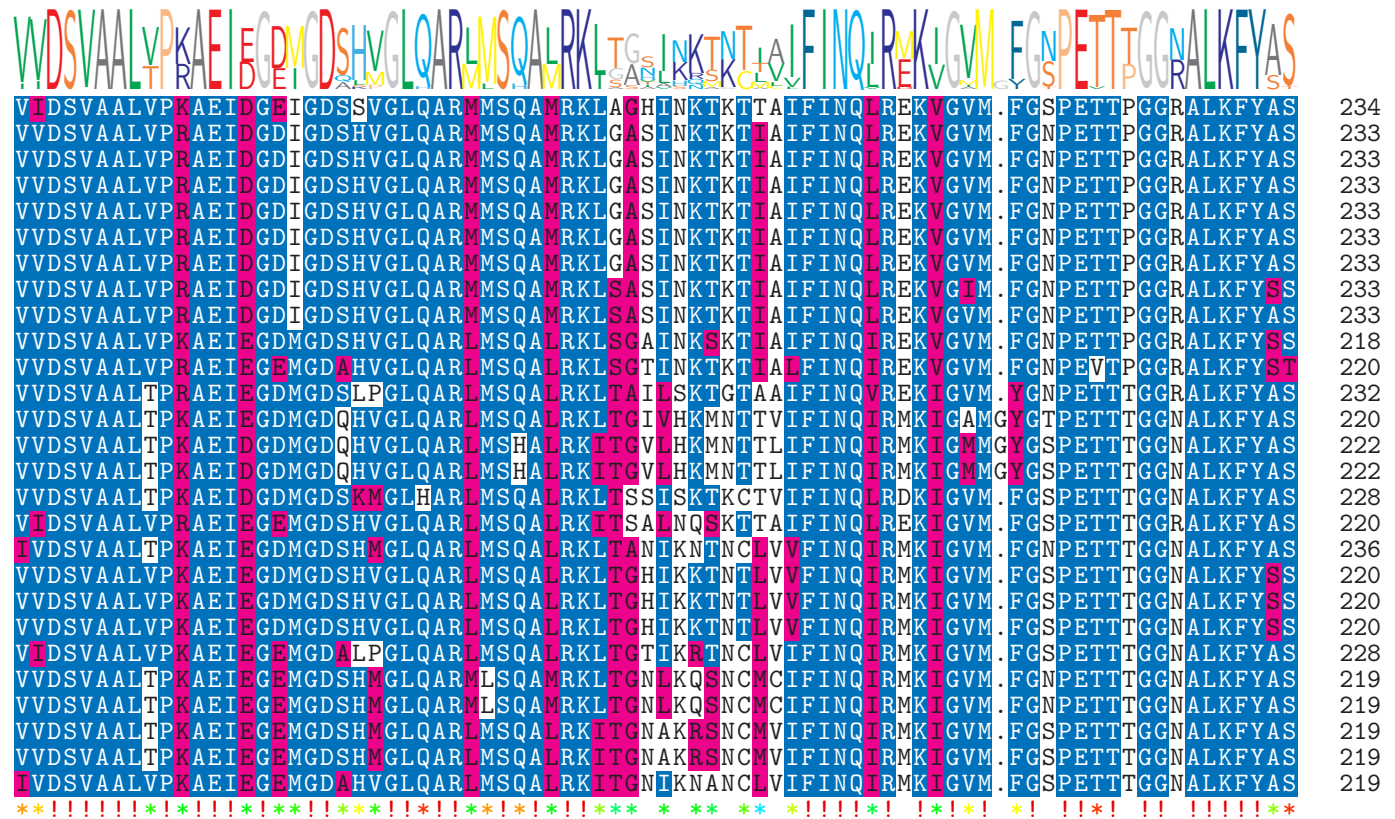


NTDB	id	600	KW2	RS01765	WP	011675413.1	MATKKKTNFDDITKKYGA	ERDKALAD	ALAL	IEKD	FGKG	SLMRLGE	EA	ANQK	VSV	VSSGSLALD	I	ALGAGGYP	KGRI	75				
NTDB	id	269	KZH43	RS08665	WP	001085462.1	MAKKPKKLEEISKKFGA	EREKALND	ALKL	IEKD	FGKG	SIMRLGER	AEQK	VQV	MSSGSLALD	I	ALGSGGYP	KGRI	74					
NTDB	id	228	SPD	RS09265	WP	001085462.1	MAKKPKKLEEISKKFGA	EREKALND	ALKL	IEKD	FGKG	SIMRLGER	AEQK	VQV	MSSGSLALD	I	ALGSGGYP	KGRI	74					
NTDB	id	194	SPR	RS08825	WP	001085462.1	MAKKPKKLEEISKKFGA	EREKALND	ALKL	IEKD	FGKG	SIMRLGER	AEQK	VQV	MSSGSLALD	I	ALGSGGYP	KGRI	74					
NTDB	id	159	SP	RS09750	WP	001085462.1	MAKKPKKLEEISKKFGA	EREKALND	ALKL	IEKD	FGKG	SIMRLGER	AEQK	VQV	MSSGSLALD	I	ALGSGGYP	KGRI	74					
NTDB	id	499	SM12261	RS08315	WP	078228268.1	MAKKPKKLDEISKKFGA	EREKALND	ALKL	IEKD	FGKG	SIMRLGER	AEQK	VQV	MSSGSLALD	I	ALGSGGYP	KGRI	74					
NTDB	id	527	SMSK321	RS11065	WP	001085454.1	MAKKPKKLDEISKKFGA	EREKALND	ALKL	IEKD	FGKG	SIMRLGER	AEQK	VQV	MSSGSLALD	I	ALGSGGYP	KGRI	74					
NTDB	id	408	SMU	RS09530	WP	002262392.1	MAKRIKKTEEITKKFGD	ERKKALDD	ALKN	IEKD	FGKG	AVMRLGER	AEQK	VQV	MSSGSLALD	I	ALGAGGYP	KGRI	74					
NTDB	id	453	Spy49	1753c	ACI62003.1		MAKKLKKNEEITKKFGD	ERRKALDD	ALKN	IEKD	FGKG	AVMRLGER	AEQK	VQV	MSSGSLALD	I	ALGAGGYP	KGRI	74					
NTDB	id	115	BSU	16940	NP	389576.2	MSDRQAALDMA	ALKQ	IEKQ	FGKG	SIMKLGEK	TDTRIST	VPSGSLALD	TA	IGGIVPRGRI				59					
NTDB	id	625	LCA	RS02525	WP	011374196.1	MAKD	ERQAALDA	ALKK	IEKN	FGKG	SIMRMGEK	VDTVQ	VST	VSSGSLALD	E	ALGVGGYPRGRI			61				
NTDB	id	1313	DR	RS12030	WP	010888966.1	MSKDATKEISAPTD	AK	IEK	FGKG	SIMKLGA	E	SKLD	VQV	VST	GSLSLD	L	ALGVGGIPRGRI			73			
NTDB	id	1245	Cj1673c	YP	002345041.1		MDDN	KRKS	SLDA	ALKS	LDKT	FGKG	TI	LR	L	DK	E	VEQ	IDS	IGTGSVGLD	L	ALGIGGV	PKGRI	60
NTDB	id	1211	C694	RS00795	WP	000963128.1	MAIDE	DKQKA	ISL	AIKQ	IDKV	FGKG	AL	VRL	GD	K	Q	VEK	IDS	ISTGSLGLD	L	ALGIGGV	PKGRI	62
NTDB	id	1214	NCTC11637	00359	SQJ03206.1		MAIDE	DKQKA	ISL	AIKQ	IDKV	FGKG	AL	VRL	GD	K	Q	VEK	IDA	ISTGSLGLD	L	ALGIGGV	PKGRI	62
NTDB	id	1334	RAOC	RS04870	WP	004918236.1	MAK	..TETTSPND	DKKK	KALAA	VLEK	LDKT	YGKG	IV	ML	GLD	GTVDHN	IEV	IPSGSLGLD	L	ALGVGGY	PKGRI	69	
NTDB	id	409862	A7X85	RS34010	WP	112476312.1	MAGT	DREKALDA	ALA	QIERQ	FGKG	AVMR	MGER	PNEP	IEV	ISTGST	ALD	VALGVGGIPRGRI				61		
NTDB	id	1389	A4U84	RS07560	WP	021112712.1	MAENKKSSKNNT	..VVKQVEPE	QKKQ	ALEA	ALA	QIEKQ	FGKG	SIMKL	Q	T	EQ	LD	IES	VSTGSLGLD	L	ALGIGGL	PMGRI	77
NTDB	id	1130	NGFG	RS03960	WP	003688695.1	MSD	DKSKALAA	ALA	QIEKS	FGKGA	IMKMDGS	SQ	Q	EEN	LEV	ISTGSLGLD	L	ALGVGGL	PRGRI			61	
NTDB	id	1124	NGFG	RS03960	WP	003688695.1	MSD	DKSKALAA	ALA	QIEKS	FGKGA	IMKMDGS	SQ	Q	EEN	LEV	ISTGSLGLD	L	ALGVGGL	PRGRI			61	
NTDB	id	1123	OK783	RS03845	WP	003688695.1	MSD	DKSKALAA	ALA	QIEKS	FGKGA	IMKMDGS	SQ	Q	EEN	LEV	ISTGSLGLD	L	ALGVGGL	PRGRI			61	
NTDB	id	1427	RS	RS02760	WP	011000510.1	MEDG	KKAASMSA	EKQK	KALAA	ALA	QIEKQ	FGKG	SIMK	MDA	E	VEP	VQV	VSTGSLGLD	VALGVGGL	PRGRV			69
NTDB	id	1165	A1552VC	RS01565	WP	000344154.1	MDEN	KQKALAA	ALGQ															

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 527 SMSK321 RS11065 WP 001085454.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 453 Spy49 1753c ACI62003.1
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 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 409862 A7X85 RS34010 WP 112476312.1
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 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
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
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NTDB id 159 SP RS09750 WP 001085462.1
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NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
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NTDB id 1142 GTF74 RS11550 WP 000344154.1
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consensus



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NTDB id 600 KW2 RS01765 WP 011675413.1	VR	L	D	V	R	G	S	T	K	I	E	E	G	S	.	G	D	N	K	T	Q	I	G	K	I	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	V	A	L	V	D	I	M	F	G	E	G	I	S	T	G	E	L	I	N	I	A	V	E	E	G	I	I	K	K	S	G	A	W	F	A	Y	N	D	313								
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NTDB id 228 SPD RS09265 WP 001085462.1	VR	L	D	V	R	G	N	T	Q	I	K	G	T	G	.	D	Q	K	E	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	Y	S	Y	K	D	312							
NTDB id 194 SPR RS08825 WP 001085462.1	VR	L	D	V	R	G	N	T	Q	I	K	G	T	G	.	D	Q	K	E	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	Y	S	Y	K	D	312							
NTDB id 159 SP RS09750 WP 001085462.1	VR	L	D	V	R	G	N	T	Q	I	K	G	T	G	.	D	Q	K	E	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	V	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	Y	S	Y	K	D	312							
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	VR	L	D	V	R	G	S	T	Q	I	K	G	T	G	.	D	Q	K	D	T	N	V	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	F	V	E	I	M	Y	G	E	G	I	S	K	T	G	E	L	L	K	I	A	S	D	L	D	I	I	K	K	A	G	A	W	Y	S	Y	K	D	312							
NTDB id 408 SMU RS09530 WP 002262392.1	VR	L	D	V	R	G	N	T	Q	I	K	G	T	G	.	E	Q	K	D	S	N	I	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	E	A	F	V	E	I	I	Y	G	E	G	I	S	R	T	G	E	L	V	K	I	A	S	D	L	G	I	I	Q	K	A	G	A	W	Y	S	Y	N	G	312							
NTDB id 453 Spy49 1753c ACI62003.1	VR	L	D	V	R	G	T	T	Q	I	K	G	T	G	.	D	Q	K	D	S	S	I	G	K	E	T	K	I	K	V	V	K	N	K	V	A	P	P	F	K	V	A	E	V	E	I	M	Y	G	E	G	I	S	R	T	G	E	L	V	K	I	A	S	D	L	D	I	I	Q	K	A	G	A	W	F	S	Y	N	G	312							
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NTDB id 625 LCA RS02525 WP 011374196.1	VR	L	E	V	R	R	A	E	T	I	K	N	G	T	.	.	.	.	.	.	D	M	I	G	N	R	A	R	I	K	V	V	K	N	K	V	A	P	P	F	K	V	A	E	V	D	I	M	Y	G	Q	G	I	S	R	T	G	E	L	V	D	M	A	V	E	K	D	I	I	N	K	S	G	S	W	Y	S	Y	G	S	295						
NTDB id 1313 DR RS12030 WP 010888966.1	VR	L	D	V	R	K	I	G	Q	.	.	.	.	.	.	.	.	.	.	P	T	K	V	G	N	D	A	V	A	N	T	V	K	I	K	T	V	K	N	K	V	A	A	P	F	K	E	V	E	L	A	L	V	Y	G	K	G	F	D	Q	L	S	D	L	V	L	G	A	A	D	M	D	I	I	K	K	A	G	S	F	Y	S	Y	G	D	308	
NTDB id 1245 Cj1673c YP 002345041.1	VR	L	D	V	R	K	V	A	T	.	.	.	.	.	.	.	.	.	.	L	.	K	Q	N	.	E	E	P	I	G	N	R	V	K	V	V	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	V	M	F	G	E	G	L	S	R	E	G	E	L	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	F	S	Y	K	D	295		
NTDB id 1211 C694 RS00795 WP 000963128.1	VR	I	D	I	R	R	I	A	S	.	.	.	.	.	.	.	.	.	.	L	.	K	Q	N	.	E	Q	H	I	G	N	R	A	K	A	K	V	V	K	N	K	V	A	P	P	F	R	E	A	E	F	D	I	M	F	G	E	G	I	S	K	E	G	E	I	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	L	S	Y	Q	D	297
NTDB id 1214 NCTC11637 00359 SQJ03206.1	VR	I	D	I	R	R	I	A	A	.	.	.	.	.	.	.	.	.	.	L	.	K	Q	N	.	E	Q	H	I	G	N	R	A	K	A	K	V	V	K	N	K	V	A	P	P	F	R	E	A	E	F	D	I	M	F	G	E	G	I	S	K	E	G	E	I	I	D	Y	G	V	K	L	D	I	V	D	K	S	G	A	W	L	S	Y	Q	D	297
NTDB id 1334 RAOC RS04870 WP 004918236.1	VR	I	D	I	R	R	S	L	S	D	T	G	K	I	K	D	K	S	G	E	V	I	G	N	R	T	K	V	K	V	V	K	N	K	V	A	P	P	F	K	S	A	E	F	D	I	M	Y	G	E	G	V	S	K	V	G	E	I	L	D	V	A	T	D	L	D	I	I	Q	K	S	G	S	W	F	S	Y	Q	D	308							
NTDB id 409862 A7X85 RS34010 WP 112476312.1	VR	M	D	I	R	R	I	E	T	.	.	.	.	.	.	.	.	.	.	L	.	K	D	G	T	E	A	V	G	N	R	T	R	V	K	V	V	K	N	K	V	A	P	P	F	K	Q	A	E	F	D	I	L	Y	G	Q	G	I	S	R	E	G	G	L	I	D	M	G	V	E	H	G	F	V	R	K	A	G	A	W	T	Y	E	G	295		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	VR	L	D	I	R	R	C	G	V	.	.	.	.	.	.	.	.	.	.	V	.	K	D	G	.	D	E	I	I	G	S	E	T	K	V	K	V	V	K	N	K	V	A	P	P	F	R	E	V	Q	F	D	I	M	Y	G	E	G	I	S	R	M	N	E	L	L	I	L	A	E	A	N	G	F	I	K	K	S	G	A	W	F	S	Y	D	G	311
NTDB id 1130 NGFG RS03960 WP 003688695.1	VR	L	D	I	R	R	T	G	S	.	.	.	.	.	.	.	.	.	.	I	.	K	K	G	.	E	E	V	L	G	N	E	T	R	V	K	V	I	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	E	G	E	L	I	D	I	G	V	K	N	D	I	I	N	K	S	G	A	W	Y	S	Y	N	G	295
NTDB id 1124 NGFG RS03960 WP 003688695.1	VR	L	D	I	R	R	T	G	S	.	.	.	.	.	.	.	.	.	.	I	.	K	K	G	.	E	E	V	L	G	N	E	T	R	V	K	V	I	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	E	G	E	L	I	D	I	G	V	K	N	D	I	I	N	K	S	G	A	W	Y	S	Y	N	G	295
NTDB id 1123 OK783 RS03845 WP 003688695.1	VR	L	D	I	R	R	T	G	S	.	.	.	.	.	.	.	.	.	.	I	.	K	K	G	.	E	E	V	L	G	N	E	T	R	V	K	V	I	K	N	K	V	A	P	P	F	R	Q	A	E	F	D	I	L	Y	G	E	G	I	S	W	E	G	E	L	I	D	I	G	V	K	N	D	I	I	N	K	S	G	A	W	Y	S	Y	N	G	295
NTDB id 1427 RS RS02760 WP 011000510.1	VR	L	D	I	R	R	I	G	S	.	.	.	.	.	.	.	.	.	.	I	.	K	K	G	.	D	E	V	V	G	N	E	T	K	V	K	V	V	K	N	K	V	A	P	P	F	R	E	A	I	F	D	I	L	Y	G	A	G	V	S	R	E	G	E	I	I	D	L	G	V	E	A	K	V	V	E	K	S	G	A	W	Y	S	Y	N	G	303
NTDB id 1165 A1552VC RS01565 WP 000344154.1	VR	L	D	I	R	R	T	G	A	.	.	.	.	.	.	.	.	.	.	I	.	K	E	G	.	E	E	V	V	G	N	E	T	R	I	K	V	V	K	N	K	I	A	A	P	F	K	E	A	N	T	Q	I	M	Y	G	Q	G	F	N	R	E	G	E	L	I	D	L	G	V	K	H	K	M	V	E	K	S	G	A	W	Y	S	Y	N	G	294
NTDB id 1142 GTF74 RS11550 WP 000344154.1	VR	L	D	I	R	R	T	G	A	.	.	.	.	.	.	.	.	.	.	I	.	K	E	G	.	E	E	V	V	G	N	E	T	R	I	K	V	V	K	N	K	I	A	A	P	F	K	E	A	N	T	Q	I	M	Y	G	Q	G	F	N	R	E	G	E	L	I	D	L	G	V	K	H	K	M	V	E	K	S	G	A	W	Y	S	Y	N	G	294
NTDB id 1022 ACIAD RS06390 WP 004925639.1	VR	L	D	I	R	R	I	G	Q	.	.	.	.	.	.	.	.	.	.	V	.	K	E	G	.	D	E	I	I	G	S	E	T	K	V	K	V	V	K	N	K	M	A	P	P	F	R	E	A	I	F	Q	I	L	Y	G	K	G	V	N	Q	L	G	E	L	V	D	L	A	V	Q	Q	N	I	V	Q	K	A	G	A	W	Y	S	Y	Q	G	294
NTDB id 1074 ABD1 RS10195 WP 000344167.1	VR	L	D	I	R	R	I	G	Q	.	.	.	.	.	.	.	.	.	.	V	.	K	E	G	.	D	E	I	I	G	S	E	T	K	V	K	V	V	K	N	K	M	A	P	P	F	K	E	A	I	F	Q	I	L	Y	G	K	G	T	N	Q	L	G	E	L	V	D	L	A	V	Q	Q	D	I	V	Q	K	A	G	A	W	Y	S	Y	Q	G	294
NTDB id 1205 PSJM300 05545 AFN77183.1	VR	L	D	I	R	R	T	G	A	.	.	.	.	.	.	.	.	.	.	V	.	K	E	G	.	D	E	V	V	G	S	E	T	R	V	K	V	V	K	N	K	V	A	P	P	F	R	Q	A	E	F	Q	I	L	Y	G	K	G	I	Y	R	N	G	E	I	I	D	L	G	V	Q	Q	L</														

logo

NTDB id 600 KW2 RS01765 WP 011675413.1	EKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LLDDSEVAETEEETT	ASKTKAKAKKEEK	AVETEEIELELED	.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE....PKKEEA..	VNEEVPLDLGDELEIEI		386
NTDB id 228 SPD RS09265 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE....PKKEEA..	VNEEVPLDLGDELEIEI		386
NTDB id 194 SPR RS08825 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE....PKKEEA..	VNEEVPLDLGDELEIEI		386
NTDB id 159 SP RS09750 WP 001085462.1	EKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKK	DE....PKKEEA..	VNEEVPLDLGDELEIEI		386
NTDB id 499 SM12261 RS08315 WP 078228268.1	EKIGQGS	ENAKKYLADNPEIF	DEIDHQVRVQFGL	IDGEEIAES....	KKDE....AAQVDS..	VNEEVTLDLGDELEIEI		382
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EKIGQGS	ENAKKYLADNPEVFAE	IDHQVRVQFGL	IDGEEAAES....	KKDE....VAQVDS..	VNEEVTLDLGDELEIEI		382
NTDB id 408 SMU RS09530 WP 002262392.1	EKIGQGS	ENAKKFLADNPEIF	DDIDHKVVRVQYGL	IEEDNTEEKQSSKEK	ETDEK..	ADKNLVLELDDTIELED		383
NTDB id 453 Spy49 1753c ACI62003.1	EKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEESAMAVASE	E.....	TDDLALDLDNNGIEIED		378
NTDB id 115 BSU 16940 NP 389576.2	ERLGGG	RENAKQFLKENKDIM	LMIQEQIREHYGL	DNNGVVQQAEETQEEL	.EFE.E.....			348
NTDB id 625 LCA RS02525 WP 011374196.1	ERIGQG	RENAKNYLADHEDVE	DEVRLKVRAAYG	ISDVPEEDLPTTEDE	.QI.NILPDDST	EE.....		355
NTDB id 1313 DR RS12030 WP 010888966.1	ERIGQG	KEKTIAIYTAERP	PEMEQEIRDRVMAA	IRAGNAGEAPALAPA	P..AAPEAAEA			363
NTDB id 1245 Cj1673c YP 002345041.1	KKLGGG	RENSKAFLKENPEIA	DEITKAIQNSMG	TEGMISGSEDDEGEE				343
NTDB id 1211 C694 RS00795 WP 000963128.1	KKLGGG	RENAKALLKEDKALA	DEITLKIKESIGS	NEEIMPLPDEPLEEME				347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KKLGGG	RENAKALLKEDKALA	DEITLKIKESIGS	NEEIMPLPDEPLEEME				347
NTDB id 1334 RAOC RS04870 WP 004918236.1	TKLGGQ	GRDITVKELIKDNPE	LAELEAKIREKLQAK					343
NTDB id 409862 A7X85 RS34010 WP 112476312.1	DQLGGG	KENARNFLKDNPD	LANEIEKKIKEKLG	VGPETAAAEPADAAT	..SAPAAGGADDASK	TVPAPAAKAAKTKA		373
NTDB id 1389 A4U84 RS07560 WP 021112712.1	TKIGQG	KNNAVKWLKENPEIA	DKLEQEI	RNTLASNPNSVLKATAS	DSND.....ESDV	EEFSEEL.....		372
NTDB id 1130 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGV	EMHITEGTQDET	DGE.....R.....	PEE.....		348
NTDB id 1124 NGFG RS03960 WP 003688695.1	AKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGV	EMHITEGTQDET	DGE.....R.....	PEE.....		348
NTDB id 1123 OK783 RS03845 WP 003688695.1	AKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNGV	EMHITEGTQDET	DGE.....R.....	PEE.....		348
NTDB id 1427 RS RS02760 WP 011000510.1	ERIGQG	RDNCREFLRENAEL	AREIENKVREHLG	VTPMGAVTLA.EEVEE		D.....		352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	DKIGQG	KANACKYLLKENPEIA	KTLDKKLREMLLN	PNENMQLIAETSSAAD		DVEFGAVPEEF		354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	DKIGQG	KANACKYLLKENPEIA	KTLDKKLREMLLN	PNENMQLIAETSSAAD		DVEFGAVPEEF		354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	NKIGQG	KNNVIRYLEENPQIS	TEIEAVIREQLLT	TKASDQTAH.DETEE		EPDLL..ES.....		349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	NKIGQG	KNNVIRYFEENNQIA	EEIERNIREQLLT	TGTNGAVQ.I.EDEE		EPDLL..LES.....		349
NTDB id 1205 PSJM300 05545 AFN77183.1	SKIGQG	KANAACYLEENPEI	GQIEIEQIRAKLL	VTSANTKATPVAEDLA		DADI.....		347
consensus	**!!!	*****	**	*****	*****	**	**	

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NTDB id 600 KW2 RS01765 WP 011675413.1	EE	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EE...	388
NTDB id 228 SPD RS09265 WP 001085462.1	EE...	388
NTDB id 194 SPR RS08825 WP 001085462.1	EE...	388
NTDB id 159 SP RS09750 WP 001085462.1	EE...	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	EE...	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EE...	384
NTDB id 408 SMU RS09530 WP 002262392.1	.....	383
NTDB id 453 Spy49 1753c ACI62003.1	.....	378
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 409862 A7X85 RS34010 WP 112476312.1	AAAKS	378
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