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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 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 24276 SHAL RS06285 WP 012276343.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
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NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 0004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

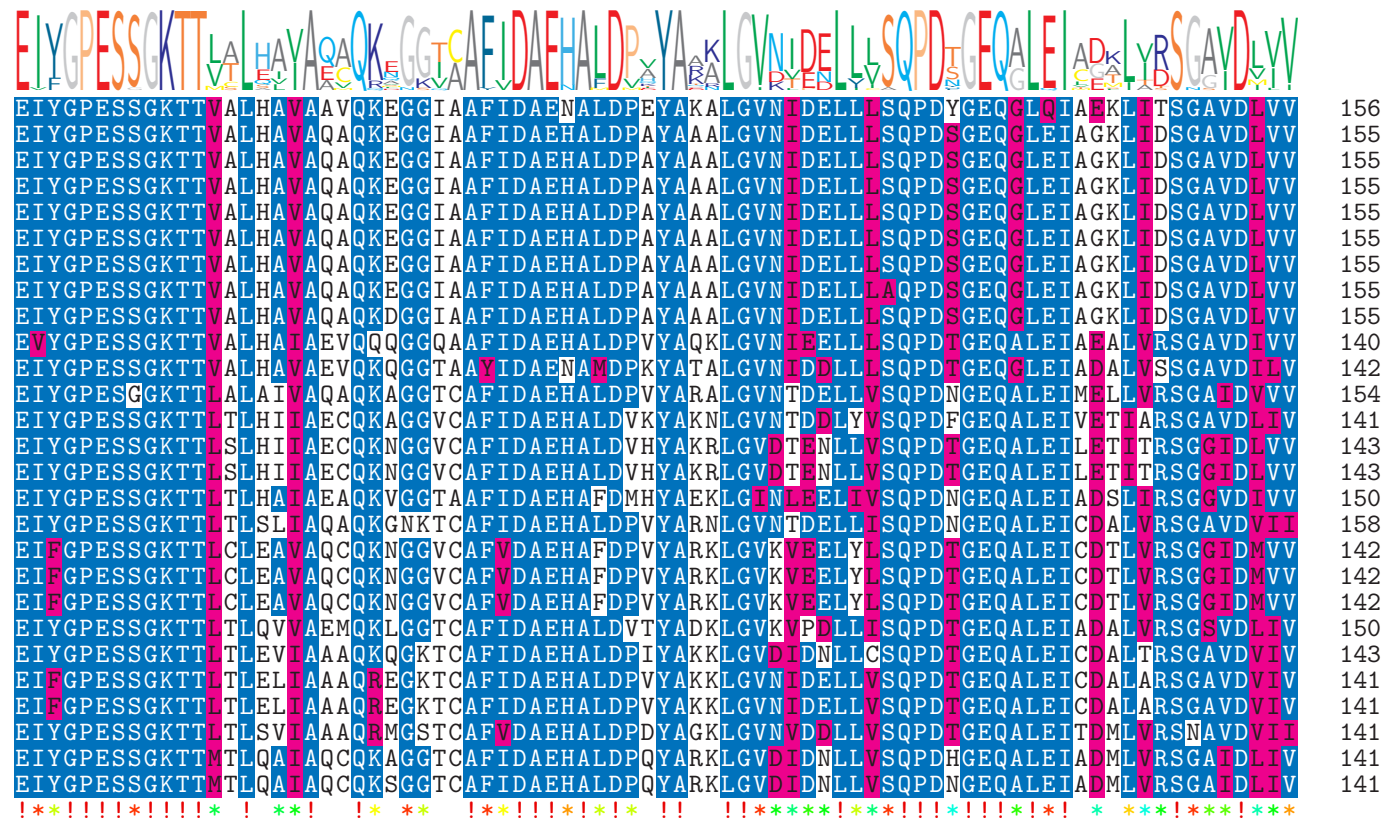
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A horizontal sequence of symbols: two blue stars, three yellow stars, two orange stars, four green stars followed by an exclamation mark, five red stars followed by two exclamation marks, one orange star, six green stars, one yellow star, one blue star, one green star, one yellow star followed by two exclamation marks, one red star followed by two exclamation marks, one blue star followed by two exclamation marks, one green star followed by three exclamation marks, two red stars followed by two exclamation marks, one blue star followed by two exclamation marks, one green star followed by two exclamation marks, one red star followed by two exclamation marks, and one blue star.

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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
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NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
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NTDB id 1022 ACIAD RS06390 WP 0004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

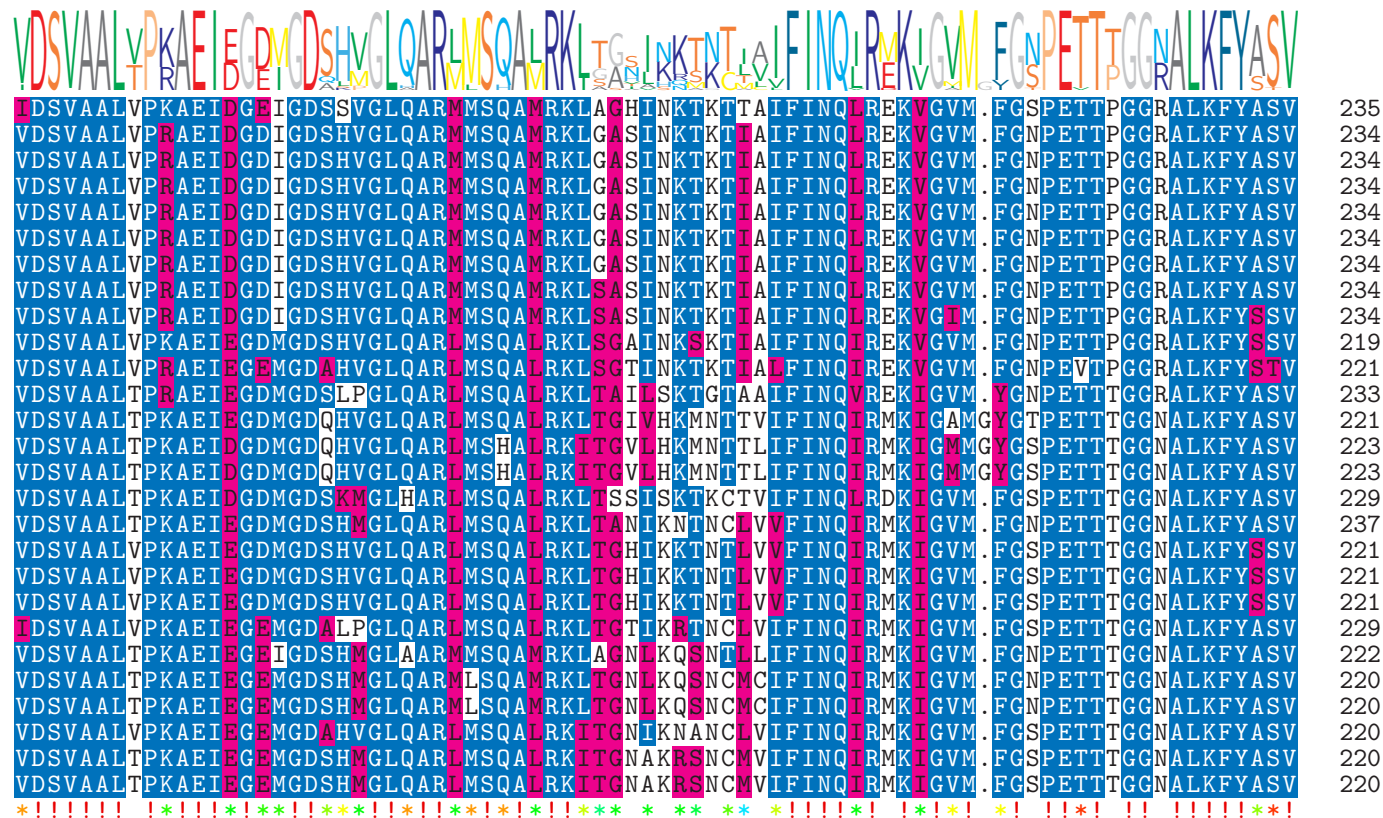
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NTDB id 600 KW2 RS01765 WP 011675413.1
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NTDB id 194 SPR RS08825 WP 001085462.1
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NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

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logo

NTDB id 600 KW2 RS01765 WP 011675413.1	RLDVRG	STKIEEGS	.GDNKTQ	IGKI	TKIKVV	VKNKVAPP	PFKEA	LV	DIM	F	GEGIS	STGEL	IN	IAVE	EG	I	IKK	SGAW	F	AYN	DE	314	
NTDB id 269 KZH43 RS08665 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKE	TKIKVV	VKNKVAPP	PFKEA	VVE	I	IMY	GEGIS	KTGEL	LK	IASD	LD	I	IKK	AGAW	SY	K	DE	313	
NTDB id 228 SPD RS09265 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKE	TKIKVV	VKNKVAPP	PFKEA	VVE	I	IMY	GEGIS	KTGEL	LK	IASD	LD	I	IKK	AGAW	SY	K	DE	313	
NTDB id 194 SPR RS08825 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKE	TKIKVV	VKNKVAPP	PFKEA	VVE	I	IMY	GEGIS	KTGEL	LK	IASD	LD	I	IKK	AGAW	SY	K	DE	313	
NTDB id 159 SP RS09750 WP 001085462.1	RLDVRG	NTQIKGTG	.DQKETN	VGKE	TKIKVV	VKNKVAPP	PFKEA	VVE	I	IMY	GEGIS	KTGEL	LK	IASD	LD	I	IKK	AGAW	SY	K	DE	313	
NTDB id 499 SM12261 RS08315 WP 078228268.1	RLDVRG	STQIKGTG	.DQKDTN	VGKE	TKIKVV	VKNKVAPP	PFKEA	FVE	I	IMY	GEGIS	KTGEL	LK	IASD	LD	I	IKK	AGAW	SY	K	DE	313	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	RLDVRG	STQIKGTG	.DQKDTN	VGKE	TKIKVV	VKNKVAPP	PFKEA	FVE	I	IMY	GEGIS	KTGEL	LK	IASD	LD	I	IKK	AGAW	SY	K	DE	313	
NTDB id 453 Spy49 1753c ACI62003.1	RLDVRG	TQIKGTG	.DQKDS	IGKE	TKIKVV	VKNKVAPP	PFKEA	VE	I	IMY	GEGIS	RTGEL	VK	IASD	LD	I	IKK	AGAW	F	SY	NGE	313	
NTDB id 408 SMU RS09530 WP 002262392.1	RLDVRG	NTQIKGTG	.EQKDSN	IGKE	TKIKVV	VKNKVAPP	PFKEA	FVE	I	IY	GEGIS	RTGEL	VK	IASD	LG	I	IKK	AGAW	SY	NGE		313	
NTDB id 115 BSU 16940 NP 389576.2	RLEVRRA	AEQLKQGN		DVMGN	KT	IKVV	VKNKVAPP	FR	TAE	V	DIMY	GEGIS	KEGE	I	IDL	G	TELD	I	V	QKSG	SW	Y	294
NTDB id 625 LCA RS02525 WP 011374196.1	RLEVRRA	ETIKNGT		DMIGN	RARI	IKVV	VKNKVAPP	PFKEA	VE	DIMY	QG	ISRT	GEL	V	D	MAVE	K	D	I	INKSG	SW	Y	296
NTDB id 1313 DR RS12030 WP 010888966.1	RLDVRK	IG.....	QPTKVG	NDA	VANT	VKI	KT	VKNK	VAA	PFKE	VELA	L	VY	GK	G	F	D	Q	L	S	D	309	
NTDB id 1245 Cj1673c YP 002345041.1	RLDVRK	VVA....	TL.KQN	EEPI	GNRV	KV	VKNKVAPP	FR	QAE	F	D	V	M	F	G	E	G	L	S	R	E	296	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	RIDIRRIA	....	AL.KQN	EQH	IGNRA	KA	VKNKVAPP	FR	EA	E	F	D	I	M	F	G	E	G	I	S	K	298	
NTDB id 1211 C694 RS00795 WP 000963128.1	RIDIRRIA	....	SL.KQN	EQH	IGNRA	KA	VKNKVAPP	FR	EA	E	F	D	I	M	F	G	E	G	I	S	K	298	
NTDB id 1334 RAOC RS04870 WP 004918236.1	RIDIRRS	LSDTGK	IKDKS	GEV	IGNR	TK	VKNKVAPP	PFKEA	E	F	D	I	M	Y	G	E	G	V	S	K	V	309	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	RLDIRRC	G....	VV.KDG	DEI	IGSE	TK	VKNKVAPP	PFKEA	E	F	D	I	M	Y	G	E	G	I	S	R	M	312	
NTDB id 1130 NGFG RS03960 WP 003688695.1	RLDIRRT	G....	SI.KKG	EEV	LGNE	TRV	KV	IKNK	VAPP	FR	QAE	F	D	I	L	Y	G	E	G	I	S	296	
NTDB id 1124 NGFG RS03960 WP 003688695.1	RLDIRRT	G....	SI.KKG	EEV	LGNE	TRV	KV	IKNK	VAPP	FR	QAE	F	D	I	L	Y	G	E	G	I	S	296	
NTDB id 1123 OK783 RS03845 WP 003688695.1	RLDIRRT	G....	SI.KKG	EEV	LGNE	TRV	KV	IKNK	VAPP	FR	QAE	F	D	I	L	Y	G	E	G	I	S	296	
NTDB id 1427 RS RS02760 WP 011000510.1	RLDIRRI	G....	SI.KKG	DEV	VGNE	TKV	VKNKVAPP	FR	EA	I	F	D	I	L	Y	G	A	G	V	S	R	304	
NTDB id 24276 SHAL RS06285 WP 012276343.1	RLDIRRT	G....	AI.KDR	EEV	IGNE	TRV	VKNK	IA	AP	FK	QAE	F	Q	I	L	Y	G	Q	G	I	N	297	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	RLDIRRT	G....	AI.KEG	EEV	VGNE	TRI	KVKN	IA	AP	FK	EA	N	T	Q	I	M	Y	G	Q	G	F	295	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	RLDIRRT	G....	AI.KEG	EEV	VGNE	TRI	KVKN	IA	AP	FK	EA	N	T	Q	I	M	Y	G	Q	G	F	295	
NTDB id 1205 PSJM300 05545 AFN77183.1	RLDIRRT	G....	AV.KEG	DEV	VGSE	TRV	VKNKVAPP	FR	QAE	F	Q	I	L	Y	G	K	G	I	Y	R	N	295	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	RLDIRRI	G....	QV.KEG	DEI	IGSE	TKV	VKNK	M	AP	PF	RE	A	I	F	Q	I	L	Y	G	K	G	295	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	RLDIRRI	G....	QV.KEG	DEI	IGSE	TKV	VKNK	M	AP	PF	RE	A	I	F	Q	I	L	Y	G	K	G	295	
consensus	!***!	*	*	*	*****	!*	!!	!!	!!	!!	*	*	*****	!*	!!	!!	!!	!!	!!	!!	!!		

logo

NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGA	EKAKNYLKEHQDV	FDEIDHKVRAAHG	LDDSEVAETEEETT	ASKTKAKAKKEE	KAVETEEIELELED	.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	PKKEEA	.VNEEVPLDLGDELEIEIE		387
NTDB id 228 SPD RS09265 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	PKKEEA	.VNEEVPLDLGDELEIEIE		387
NTDB id 194 SPR RS08825 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	PKKEEA	.VNEEVPLDLGDELEIEIE		387
NTDB id 159 SP RS09750 WP 001085462.1	KIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTENKKDE	PKKEEA	.VNEEVPLDLGDELEIEIE		387
NTDB id 499 SM12261 RS08315 WP 078228268.1	KIGQGS	ENAKKYLADNPEIF	DEIDHQVRVQFGL	IDGEEIAES	KKDE	AAQVDS	.VNEEVTLDLGDELEIEIE	383
NTDB id 527 SMSK321 RS11065 WP 001085454.1	KIGQGS	ENAKKYLADNPEVFAE	IDHQVRVQFGL	IDGEEAAES	KKDE	VAQVDS	.VNEEVTLDLGDELEIEIE	383
NTDB id 453 Spy49 1753c ACI62003.1	KIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEESAMAVASE	E	TDDLALDLNGIEIED		378
NTDB id 408 SMU RS09530 WP 002262392.1	KIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEKQSSKEK	ETDEK	..ADKNLVLELDDTIELED		383
NTDB id 115 BSU 16940 NP 389576.2	RLGQGR	ENAKQFLKENKDIMLMI	QEQIREHYGL	DNNGVVQQAEETQEEL	EFEE	E	.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	RIGQGR	ENAKNYLADHEDVE	DEVRLKVRAAYG	ISDVPEEDLPTTEDE	QI	NILPDDST	EE	355
NTDB id 1313 DR RS12030 WP 010888966.1	RIGQGK	EKTIAIYTAERP	EMEQEIRDRVMAAIR	AGNAGEAPALAPAPAA	PEAAEA	.....		363
NTDB id 1245 Cj1673c YP 002345041.1	KLGGGR	ENSKAFLKENPEIA	DEITKAIQNSMG	IEGMISGSED	..DE	GEE	.....	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KLGGGR	ENAKALLKEDKAL	ADEITLKIKESIGS	NEEIMPLPD	..EP	LEEME	.....	347
NTDB id 1211 C694 RS00795 WP 000963128.1	KLGGGR	ENAKALLKEDKAL	ADEITLKIKESIGS	NEEIMPLPD	..EP	LEEME	.....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	KLGGGR	DTVKELIKDNPELA	EELEAKIREKLQAK	.....				343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	KIGQGG	KNNAVKWLKENPEI	ADKLEQEIRNTL	ASNPNSVLKAT	..ASDS	NDES	DVEEFSE.EEL	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	KIGQGG	KDNVRVWLKENPEI	SDEIDAKIRALNG	VEMHITEGTQ	..DETD	GERPEE	.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	KIGQGG	KDNVRVWLKENPEI	SDEIDAKIRALNG	VEMHITEGTQ	..DETD	GERPEE	.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	KIGQGG	KDNVRVWLKENPEI	SDEIDAKIRALNG	VEMHITEGTQ	..DETD	GERPEE		348
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	KIGQGG	KNNVIRYLEENP	QISTEIEAV	IREQLLT	KASDQTAA	...HDET	EEEPDLLES	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGG	KNNVIRYFEENN	QIAEEIERN	IREQLLT	TGTNGAVQ	...I	ED.....EEEPDLLES	349
consensus	**!!!	*****	**	*****	*****	**	**	

logo

NTDB id 600 KW2 RS01765 WP 011675413.1	.	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	E	388
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
NTDB id 527 SMSK321 RS11065 WP 001085454.1	E	384
NTDB id 453 Spy49 1753c ACI62003.1	.	378
NTDB id 408 SMU RS09530 WP 002262392.1	.	383
NTDB id 115 BSU 16940 NP 389576.2	.	348
NTDB id 625 LCA RS02525 WP 011374196.1	.	355
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NTDB id 1211 C694 RS00795 WP 000963128.1	.	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	.	343
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 24276 SHAL RS06285 WP 012276343.1	.	355
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.	354
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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