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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 527 SMSK321 RS11065 WP 001085454.1
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NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
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NTDB id 1313 DR RS12030 WP 010888966.1
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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
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus



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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB	id	600	KW2	RS01765	WP	011675413.1	VV	IDSVAALV	PKAEI	DGEI	GDSSVGLQAR	MMSQAMRKL	AGH	INKTKT	TA	IFINQLREK	VGVM	.FGSP	PETTP	GGRA	LKFYA	233		
NTDB	id	269	KZH43	RS08665	WP	001085462.1	VVV	DSVAALV	PRAEI	DGDI	GDShVGLQAR	MMSQAMRKL	AGAS	INKTKT	TA	IFINQLREK	VGVM	.FGNP	PETTP	GGRA	LKFYA	232		
NTDB	id	228	SPD	RS09265	WP	001085462.1	VVV	DSVAALV	PRAEI	DGDI	GDShVGLQAR	MMSQAMRKL	AGAS	INKTKT	TA	IFINQLREK	VGVM	.FGNP	PETTP	GGRA	LKFYA	232		
NTDB	id	194	SPR	RS08825	WP	001085462.1	VVV	DSVAALV	PRAEI	DGDI	GDShVGLQAR	MMSQAMRKL	AGAS	INKTKT	TA	IFINQLREK	VGVM	.FGNP	PETTP	GGRA	LKFYA	232		
NTDB	id	159	SP	RS09750	WP	001085462.1	VVV	DSVAALV	PRAEI	DGDI	GDShVGLQAR	MMSQAMRKL	AGAS	INKTKT	TA	IFINQLREK	VGVM	.FGNP	PETTP	GGRA	LKFYA	232		
NTDB	id	527	SMSK321	RS11065	WP	001085454.1	VVV	DSVAALV	PRAEI	DGDI	GDShVGLQAR	MMSQAMRKL	AGAS	INKTKT	TA	IFINQLREK	VGVM	.FGNP	PETTP	GGRA	LKFYA	232		
NTDB	id	499	SM12261	RS08315	WP	078228268.1	VVV	DSVAALV	PRAEI	DGDI	GDShVGLQAR	MMSQAMRKL	AGAS	INKTKT	TA	IFINQLREK	VGVM	.FGNP	PETTP	GGRA	LKFYA	232		
NTDB	id	453	Spy49	1753c	ACI	62003.1	VVV	DSVAALV	PRAEI	DGDI	GDShVGLQAR	MMSQAMRKL	SAS	INKTKT	TA	IFINQLREK	VGVM	.FGNP	PETTP	GGRA	LKFYA	232		
NTDB	id	408	SMU	RS09530	WP	002262392.1	VVV	DSVAALV	PRAEI	DGDI	GDShVGLQAR	MMSQAMRKL	SAS	INKTKT	TA	IFINQLREK	VGIM	.FGNP	PETTP	GGRA	LKFYS	232		
NTDB	id	115	BSU	16940	NP	389576.2	VVV	DSVAALV	PKAEI	EGDM	GDShVGLQAR	LSQALRKL	SGAIN	SKTIA	IFINQIREK	VGVM	.FGNP	PETTP	GGRA	LKFYS	217			
NTDB	id	625	LCA	RS02525	WP	011374196.1	LV	DSVAALV	PRAEI	EGEM	GD	AHVGLQAR	LSQALRKL	SGT	INKTKT	TA	LFINQIREK	VGVM	.FGNPE	VTP	GGRA	LKFYS	219	
NTDB	id	1313	DR	RS12030	WP	010888966.1	VVV	DSVAAL	TPRAEI	EGDM	GD	SLPGLQAR	LSQALRKL	TA	ILSKTGT	AA	IFINQVREK	IGVM	.YGN	PETTT	GGRA	LKFYA	231	
NTDB	id	1245	Cj1673c	YP	002345041.1	IV	VDSVAAL	TPKAEI	EGDM	MGDQ	HVGLQAR	LSQALRKL	TGIV	HKMNTTV	IFINQ	IRMKIGAM	GYGT	PETTT	GGN	ALKFYA	219			
NTDB	id	1214	NCTC11637	00359	SQJ	03206.1	VVV	DSVAAL	TPKAEI	DGDM	MGDQ	HVGLQAR	LSH	ALRKIT	GV	LHKMNTTL	IFINQ	IRMKIGM	MGY	GS	PETTT	GGN	ALKFYA	221
NTDB	id	1211	C694	RS00795	WP	000963128.1	VVV	DSVAAL	TPKAEI	DGDM	MGDQ	HVGLQAR	LSH	ALRKIT	GV	LHKMNTTL	IFINQ	IRMKIGM	MGY	GS	PETTT	GGN	ALKFYA	221
NTDB	id	1334	RAOC	RS04870	WP	004918236.1	VVV	DSVAAL	TPKAEI	DGDM	GD	SMGLHAR	LSQALRKL	TSS	ISKTKCTV	IFINQ	LRDKIGVM	.FGSP	PETTT	GGN	ALKFYA	227		
NTDB	id	1389	A4U84	RS07560	WP	021112712.1	II	VDSVAAL	TPKAEI	EGDM	GD	SHMGLQAR	LSQALRKL	TAN	IKNTNCL	LV	VFINQIRMKIGVM	.FGNP	PETTT	GGN	ALKFYA	235		
NTDB	id	1130	NGFG	RS03960	WP	003688695.1	VVV	DSVAALV	PKAEI	EGDM	GD	SHVGLQAR	LSQALRKL	TGH	IKTNTL	V	VFINQIRMKIGVM	.FGSP	PETTT	GGN	ALKFYS	219		
NTDB	id	1124	NGFG	RS03960	WP	003688695.1	VVV	DSVAALV	PKAEI	EGDM	GD	SHVGLQAR	LSQALRKL	TGH	IKTNTL	V	VFINQIRMKIGVM	.FGSP	PETTT	GGN	ALKFYS	219		
NTDB	id	1123	OK783	RS03845	WP	003688695.1	VVV	DSVAALV	PKAEI	EGDM	GD	SHVGLQAR	LSQALRKL	TGH	IKTNTL	V	VFINQIRMKIGVM	.FGSP	PETTT	GGN	ALKFYS	219		
NTDB	id	1427	RS	RS02760	WP	011000510.1	IV	DSVAALV	PKAEI	EGEM	GD	ALPGLQAR	LSQALRKL	TG	IKTNC	LV	IFINQIRMKIGVM	.FGSP	PETTT	GGN	ALKFYA	227		
NTDB	id	1165	A1552VC	RS0																				

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NTDB id 600 KW2 RS01765 WP 011675413.1		387						
NTDB id 269 KZH43 RS08665 WP 001085462.1	EIEIEE	388						
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NTDB id 194 SPR RS08825 WP 001085462.1	EIEIEE	388						
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NTDB id 1214 NCTC11637 00359 SQJ03206.1		347						
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consensus								

-  non conserved
-  similar
-  ≥ 50% conserved