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NTDB id 582 DLJ51 RS00505 WP 002962720.1
NTDB id 450 SPYM18 RS08475 WP 011018214.1
NTDB id 449 SPYM18 RS01395 WP 011018214.1
NTDB id 442 SPYM3 RS08515 WP 011106595.1
NTDB id 441 SPYM3 RS01385 WP 011106595.1
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1
NTDB id 44 SMU RS09085 WP 002263585.1
NTDB id 457 SSUD9 RS00080 WP 002936602.1
NTDB id 461 GPW51 RS00080 WP 011921639.1
NTDB id 454 SSV RS00080 WP 011921639.1
NTDB id 424 SGO RS10430 WP 012130755.1
NTDB id 423 SGO RS08370 WP 012130755.1
NTDB id 997381 ABC804 RS00325 WP 000588866.1
NTDB id 252 KZH43 RS09050 WP 000588897.1
NTDB id 251 KZH43 RS09050 WP 000588897.1
NTDB id 211 SPD RS09675 WP 000588897.1
NTDB id 210 SPD RS00065 WP 000588897.1
NTDB id 177 SPR RS09210 WP 000588897.1
NTDB id 176 SPR RS00065 WP 000588897.1
NTDB id 141 SP RS10155 WP 000588925.1
NTDB id 140 SP RS00070 WP 000588925.1
NTDB id 488 SM12261 RS00065 WP 000471939.1
NTDB id 489 SM12261 RS01070 WP 000471940.1
NTDB id 517 SMSK321 RS10700 WP 000471945.1
NTDB id 516 SMSK321 RS09125 WP 000471944.1
consensus

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NTDB id 582 DLJ51 RS00505 WP 002962720.1	DDWRQEGARTILLYQLIERFPDLANDEEKLRIVFKTKFRSSYLDMIRKQESQKRAFDRMIYEEISEIGHMTPSQQMDTADYC	156
NTDB id 450 SPYM18 RS08475 WP 011018214.1	DDWLQEGHTILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLIRRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYV	132
NTDB id 449 SPYM18 RS01395 WP 011018214.1	DDWLQEGHTILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLIRRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYV	132
NTDB id 442 SPYM3 RS08515 WP 011106595.1	DDWLQEGHTILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLIRRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYV	132
NTDB id 441 SPYM3 RS01385 WP 011106595.1	DDWLQEGHTILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLIRRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYV	132
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	DDWLQEGHTILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLIRRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYV	132
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	DDWLQEGHTILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLIRRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYV	132
NTDB id 44 SMU RS09085 WP 002263585.1	EDWQEGGMILHLHREHPELEEDDTKLYTYFKTRFSNYIKDVLRRQESQKRFRNRMSYEEVGEIEHCISSGCMQLDEYI	110
NTDB id 457 SSUD9 RS00080 WP 002936602.1	DDWEQEGMNTLFELLEAQPWLVDEQQVQLYCYFKVKFRNRKIDRIRKQESQKRKFDRMPHEDIYELSHATQSPGLINDELL	108
NTDB id 461 GPW51 RS00080 WP 011921639.1	DDWEQEGMNTLFELLEAQPWLVDEQQVQLYCYFKVKFRNRKIDRIRKQESQKRKFDRMPHEDIYELSHATQSPGLINDELL	108
NTDB id 454 SSU RS00080 WP 011921639.1	DDWEQEGMNTLFELLEAQPWLVDEQQVQLYCYFKVKFRNRKIDRIRKQESQKRKFDRMPHEDIYELSHATQSPGLINDELL	108
NTDB id 424 SGO RS10430 WP 012130755.1	ADWRQEGMVLVLYELLKSHPNLLEDQPRLRYRYFKTKFRNRIDHDIRRQESQKRKLDQRPYEEVSEIGHRIIRMKELYLDELV	108
NTDB id 423 SGO RS08370 WP 012130755.1	ADWRQEGMVLVLYELLKSHPNLLEDQPRLRYRYFKTKFRNRIDHDIRRQESQKRKLDQRPYEEVSEIGHRIIRMKELYLDELV	108
NTDB id 997381 ABC804 RS00325 WP 000588866.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 252 KZH43 RS09050 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 251 KZH43 RS09050 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 211 SPD RS09675 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 210 SPD RS00065 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 177 SPR RS09210 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 176 SPR RS00065 WP 000588897.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 141 SP RS10155 WP 000588925.1	SDWEQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 140 SP RS00070 WP 000588925.1	SDWEQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 488 SM12261 RS00065 WP 000471939.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 489 SM12261 RS01070 WP 000471940.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 517 SMSK321 RS10700 WP 000471945.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
NTDB id 516 SMSK321 RS09125 WP 000471944.1	SDWDQEGMCLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLWLDDYY	107
consensus	!! !!*** ! *!* * **** *! *!!!!*!***** ! *!*!!!!!!***** *!***!* ! * *******	

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NTDB id 582	DLJ51	RS00505	WP 002962720.1	ALKEKLKELKQKL	APEDYAKILL	LMRGGAFK	GRSAFIKD	IKVEFED	FDEDN.	207						
NTDB id 450	SPYM18	RS08475	WP 011018214.1	AYQEV	IASLEN	QLNSQERM	QFKAL	IRGERFK	GRRALLRK	ISPYFKEFA	QQL.	183				
NTDB id 449	SPYM18	RS01395	WP 011018214.1	AYQEV	IASLEN	QLNSQERM	QFKAL	IRGERFK	GRRALLRK	ISPYFKEFA	QQL.	183				
NTDB id 442	SPYM3	RS08515	WP 011106595.1	AYQEV	IASLEN	QLNSQERM	QFKAL	IRGERFK	GRRALLRK	ISPYFKEFA	QQL.	183				
NTDB id 441	SPYM3	RS01385	WP 011106595.1	AYQEV	IASLEN	QLNSQERM	QFKAL	IRGERFK	GRRALLRK	ISPYFKEFA	QQL.	183				
NTDB id 448	SpyM6JRS4	RS07800	WP 010921894.1	AYQEV	IASLEN	QLNSQERM	QFKAL	IRGERFK	GRRALLRK	ISPYFKEFA	QQL.	183				
NTDB id 447	SpyM6JRS4	RS01370	WP 010921894.1	AYQEV	IASLEN	QLNSQERM	QFKAL	IRGERFK	GRRALLRK	ISPYFKEFA	QQL.	183				
NTDB id 44	SMU	RS09085	WP 002263585.1	LFRD	SLLAYKQGL	STEKQEL	FERLVAGEH	FLGRQSM	LKDL	RKKLS	DFKEK..	160				
NTDB id 457	SSUD9	RS00080	WP 002936602.1	MLRGAL	RDYRKNL	SNDQLDKYE	EKLISG	QCFNGR	REMI	RDLQI	HLKDFR....	156				
NTDB id 461	GPW51	RS00080	WP 011921639.1	MLRGAL	RDYRKNL	SNDQLDKYE	EKLISG	QCFNGR	REMI	RDLQI	HLKDFR....	156				
NTDB id 454	SSU	RS00080	WP 011921639.1	MLRGAL	RDYRKNL	SNDQLDKYE	EKLISG	QCFNGR	REMI	RDLQI	HLKDFR....	156				
NTDB id 424	SGO	RS10430	WP 012130755.1	AFRSAM	SEYRSRL	SPEEAKQYER	LMADERFK	GRKAM	LKDL	SYHL	RDFNPR	LD	160			
NTDB id 423	SGO	RS08370	WP 012130755.1	AFRSAM	SEYRSRL	SPEEAKQYER	LMADERFK	GRKAM	LKDL	SYHL	RDFNPR	LD	160			
NTDB id 997381	ABC804	RS00325	WP 000588866.1	LFHET	LRDYRNKQ	SKEKQEEL	ERVLSNER	FRGRQRV	LRDLR	IVFKEF	TIRTH	159				
NTDB id 252	KZH43	RS09050	WP 000588897.1	LFHET	LRDYRNKQ	SKEKQEEL	ERVLSNER	FRGRQRV	LRDLR	IVFKEF	TIRTH	159				
NTDB id 251	KZH43	RS09050	WP 000588897.1	LFHET	LRDYRNKQ	SKEKQEEL	ERVLSNER	FRGRQRV	LRDLR	IVFKEF	TIRTH	159				
NTDB id 211	SPD	RS09675	WP 000588897.1	LFHET	LRDYRNKQ	SKEKQEEL	ERVLSNER	FRGRQRV	LRDLR	IVFKEF	TIRTH	159				
NTDB id 210	SPD	RS00065	WP 000588897.1	LFHET	LRDYRNKQ	SKEKQEEL	ERVLSNER	FRGRQRV	LRDLR	IVFKEF	TIRTH	159				
NTDB id 177	SPR	RS09210	WP 000588897.1	LFHET	LRDYRNKQ	SKEKQEEL	ERVLSNER	FRGRQRV	LRDLR	IVFKEF	TIRTH	159				
NTDB id 176	SPR	RS00065	WP 000588897.1	LFHET	LRDYRNKQ	SKEKQEEL	ERVLSNER	FRGRQRV	LRDLR	IVFKEF	TIRTH	159				
NTDB id 141	SP	RS10155	WP 000588925.1	LFHET	LRDYRNKQ	SKEKQEEL	ERVLSNER	FRGRQRV	LRDLR	IVFKEF	TIRTH	159				
NTDB id 140	SP	RS00070	WP 000588925.1	LFHET	LRDYRNKQ	SKEKQEEL	ERVLSNER	FRGRQRV	LRDLR	IVFKEF	TIRTH	159				
NTDB id 488	SM12261	RS00065	WP 000471939.1	LFHET	LRDYRNKQ	SKDKQEEL	ERVLRHER	FRGRQRV	LRDLR	IVFKEF	DIRTH	159				
NTDB id 489	SM12261	RS01070	WP 000471940.1	LFHET	LRDYRNKQ	SKDKQEEL	ERVLRHER	FRGRQRV	LRDLR	IVFKEF	DIRTH	159				
NTDB id 517	SMSK321	RS10700	WP 000471945.1	LFHET	LRDYRSKQ	SKDKQEEL	ERVLRHER	FRGRQRV	LRDLR	IVFKEF	DIRTQ	159				
NTDB id 516	SMSK321	RS09125	WP 000471944.1	LFHET	LRDYRSKQ	SKDKQEEL	ERVLRHER	FRGRQRV	LRDLR	IVFKEF	DIRTR	159				
consensus				**	*	*****	*	*	*	*****	***!	!!	*****	*	***!	

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved