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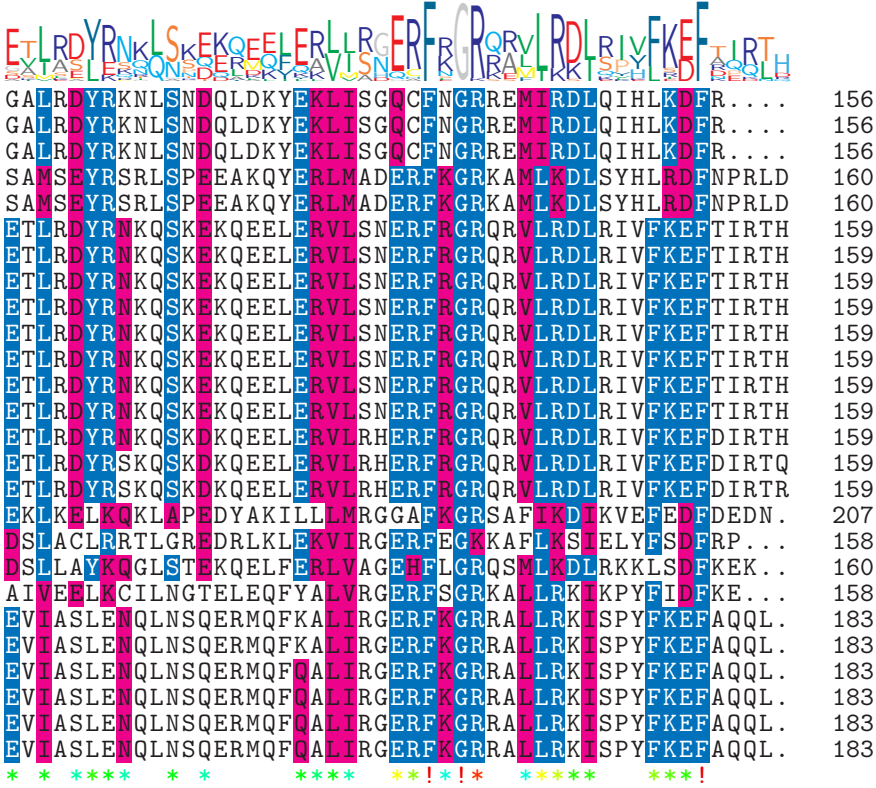
NTDB id 457 SSUD9 RS00080 WP 002936602.1	MEFEK	32
NTDB id 461 GPW51 RS00080 WP 011921639.1	MEFEK	32
NTDB id 454 SSU RS00080 WP 011921639.1	MEFEK	32
NTDB id 424 SGO RS10430 WP 012130755.1	MKFED	32
NTDB id 423 SGO RS08370 WP 012130755.1	MKFED	32
NTDB id 141 SP RS10155 WP 000588925.1	MIKELY	31
NTDB id 140 SP RS00070 WP 000588925.1	MIKELY	31
NTDB id 252 KZH43 RS09050 WP 000588897.1	MIKELY	31
NTDB id 251 KZH43 RS09050 WP 000588897.1	MIKELY	31
NTDB id 211 SPD RS09675 WP 000588897.1	MIKELY	31
NTDB id 210 SPD RS00065 WP 000588897.1	MIKELY	31
NTDB id 177 SPR RS09210 WP 000588897.1	MIKELY	31
NTDB id 176 SPR RS00065 WP 000588897.1	MIKELY	31
NTDB id 489 SM12261 RS01070 WP 000471940.1	MFKELY	31
NTDB id 517 SMSK321 RS10700 WP 000471945.1	MFKELY	31
NTDB id 516 SMSK321 RS09125 WP 000471944.1	MFKELY	31
NTDB id 582 DLJ51 RS00505 WP 002962720.1	MDKEKLKEIFNKHSA	80
NTDB id 554 STRINF RS00370 WP 115283725.1	MDFERY	32
NTDB id 44 SMU RS09085 WP 002263585.1	MEEDFEI	34
NTDB id 139793 SI82 RS07755 WP 003101723.1	MEKVES	33
NTDB id 450 SPYM18 RS08475 WP 011018214.1	MSCCFV	56
NTDB id 449 SPYM18 RS01395 WP 011018214.1	MSCCFV	56
NTDB id 442 SPYM3 RS08515 WP 011106595.1	MSCCFV	56
NTDB id 441 SPYM3 RS01385 WP 011106595.1	MSCCFV	56
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	MSCCFV	56
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	MSCCFV	56
consensus	* * * ! * * * * * * * ! * ! !	

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NTDB	id	457	SSUD9	RS00080	WP	002936602.1	QEGMNTLFELEIAQPWLVDEQQVQLYCYFKVKFRNRITKDRIRKQESQKRKFDRMPHEDIHEISHATQSPGLINDELLMLR	111
NTDB	id	461	GPW51	RS00080	WP	011921639.1	QEGMNTLFELEIAQPWLVDEQQVQLYCYFKVKFRNRITKDRIRKQESQKRKFDRMPHEDIYELSHATQSPGLINDELLMLR	111
NTDB	id	454	SSU	RS00080	WP	011921639.1	QEGMNTLFELEIAQPWLVDEQQVQLYCYFKVKFRNRITKDRIRKQESQKRKFDRMPHEDIYELSHATQSPGLINDELLMLR	111
NTDB	id	424	SGO	RS10430	WP	012130755.1	QEGMLVLYELLKSHPNLLEDQPRLYRYFKTKFRNRITHDLIIRKQESQKRKLDQPYEEVSEIGHRIIRMKELYLDELVAFR	111
NTDB	id	423	SGO	RS08370	WP	012130755.1	QEGMLVLYELLKSHPNLLEDQPRLYRYFKTKFRNRITHDLIIRKQESQKRKLDQPYEEVSEIGHRIIRMKELYLDELVAFR	111
NTDB	id	141	SP	RS10155	WP	000588925.1	QEGMCLHLELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGGLWLDDYYLH	110
NTDB	id	140	SP	RS00070	WP	000588925.1	QEGMCLHLELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGGLWLDDYYLH	110
NTDB	id	252	KZH43	RS09050	WP	000588897.1	QEGMCLHLELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGGLWLDDYYLH	110
NTDB	id	251	KZH43	RS09050	WP	000588897.1	QEGMCLHLELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGGLWLDDYYLH	110
NTDB	id	211	SPD	RS09675	WP	000588897.1	QEGMCLHLELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGGLWLDDYYLH	110
NTDB	id	210	SPD	RS00065	WP	000588897.1	QEGMCLHLELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGGLWLDDYYLH	110
NTDB	id	177	SPR	RS09210	WP	000588897.1	QEGMCLHLELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGGLWLDDYYLH	110
NTDB	id	176	SPR	RS00065	WP	000588897.1	QEGMCLHLELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKEPYEEVGEISHRISEGGGLWLDDYYLH	110
NTDB	id	489	SM12261	RS01070	WP	000471940.1	QEGMCLHLELISREEGLVEDIPRLRKYFKTKFRNRILDHIRKQESQKRKYDKEPYEEVGEISHRISEGGMLWLDYYLH	110
NTDB	id	517	SMSK321	RS10700	WP	000471945.1	QEGMCLHLELISREEGLVEDIPRLRKYFKTKFRNRILDHIRKQESQKRKYDKEPYEEVGEISHRISEGGMLWLDYYLH	110
NTDB	id	516	SMSK321	RS09125	WP	000471944.1	QEGMCLHLELISKEEELAEDIPRLRKYFKTKFRNRILDYIRKQESQKRKYDKESYEEVGEISHRISEGGMLWLDYYLH	110
NTDB	id	582	DLJ51	RS00505	WP	002962720.1	QEARTIILYQLIERFPDLANDEEKLRIFYFKTKFRSYVLDNIRKQESQKRAFDRMIYEEISEIGHMIPSQQLDTADYCALK	159
NTDB	id	554	STRINF	RS00370	WP	115283725.1	QEGRIVFFQLLEEHPDLINNEGKCYSYFKTKFSNHVKDIIRHQESFKRKFRNRPYEEISDISHCVPQVFFFEVEDYVAYQ	112
NTDB	id	44	SMU	RS09085	WP	002263585.1	QEGMILHLQLREHPELEEDDTKLYIFYFKTFSSNYIKDVLRRQESQKRFRNRMSEYEEVGEIEHCLSSGMLQLDEYILFR	113
NTDB	id	139793	SI82	RS07755	WP	003101723.1	QEGRVVLHALLTEFPDLTENDKRLTYTFKTKFSSYIKDVLRRHQESYKRFNKMPEYEEIGEVSCHKVASKGLVLDDYIAYQ	112
NTDB	id	450	SPYM18	RS08475	WP	011018214.1	QEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYVAYQ	135
NTDB	id	449	SPYM18	RS01395	WP	011018214.1	QEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYVAYQ	135
NTDB	id	442	SPYM3	RS08515	WP	011106595.1	QEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYVAYQ	135
NTDB	id	441	SPYM3	RS01385	WP	011106595.1	QEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYVAYQ	135
NTDB	id	448	SpyM6JRS4	RS07800	WP	010921894.1	QEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYVAYQ	135
NTDB	id	447	SpyM6JRS4	RS01370	WP	010921894.1	QEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLWLDDYVAYQ	135
consensus							!!*** * !* * !*** * * * ! ! ! ! * ! * * * ! * ! * ! ! * ! ! * * * * * * ! * * * * * *	

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NTDB	id	457	SSUD9	RS00080	WP	002936602.1
NTDB	id	461	GPW51	RS00080	WP	011921639.1
NTDB	id	454	SSU	RS00080	WP	011921639.1
NTDB	id	424	SGO	RS10430	WP	012130755.1
NTDB	id	423	SGO	RS08370	WP	012130755.1
NTDB	id	141	SP	RS10155	WP	000588925.1
NTDB	id	140	SP	RS00070	WP	000588925.1
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	489	SM12261	RS01070	WP	000471940.1
NTDB	id	517	SMSK321	RS10700	WP	000471945.1
NTDB	id	516	SMSK321	RS09125	WP	000471944.1
NTDB	id	582	DLJ51	RS00505	WP	002962720.1
NTDB	id	554	STRINF	RS00370	WP	115283725.1
NTDB	id	44	SMU	RS09085	WP	002263585.1
NTDB	id	139793	SI82	RS07755	WP	003101723.1
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
consensus						



☒ non conserved
☒ similar
☒ ≥ 50% conserved