

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 554 STRINF RS00370 WP 115283725.1
NTDB id 320 STU RS10340 WP 002949220.1
NTDB id 47 STER RS00925 WP 002949220.1
NTDB id 468 HSISS4 RS00725 WP 021143466.1
NTDB id 50 STRSA0001 RS07545 WP 002885610.1
NTDB id 44 SMU RS09085 WP 002263585.1
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 488 SM12261 RS00065 WP 000471939.1
NTDB id 517 SMSK321 RS10700 WP 000471945.1
NTDB id 516 SMSK321 RS09125 WP 000471944.1
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 193999 BFM96 RS02285 WP 223245866.1
NTDB id 424 SGO RS10430 WP 012130755.1
NTDB id 423 SGO RS08370 WP 012130755.1
consensus

	MS	CCFFVVL	FILGIVKKRRL	KMSIETRAAF	FEKVKP	ILKLKRHHY	YIQLWDR	
MDKEKLKEIFNKHSA	LP	EE	FD	DD	GM	VE	IT	AGLLFCLKEVL . . . DMDDSS
MS..	CCFFVVL	FILGIVKKRRL	KMSIETRAAF	FEKVKP	ILKLKRHHY	YIQLWDR		76
MS..	CCFFVVL	FILGIVKKRRL	KMSIETRAAF	FEKVKP	ILKLKRHHY	YIQLWDR		52
MS..	CCFFVVL	FILGIVKKRRL	KMSIETRAAF	FEKVKP	ILKLKRHHY	YIQLWDR		52
MS..	CCFFVVL	FILGIVKKRRL	KMSIETRAAF	FEKVKP	ILKLKRHHY	YIQLWDR		52
MS..	CCFFVVL	FILGIVKKRRL	KMSIETRAAF	FEKVKP	ILKLKRHHY	YIQLWDR		52
MS..	CCFFVVL	FILGIVKKRRL	KMSIETRAAF	FEKVKP	ILKLKRHHY	YIQLWDR		52
MS..	CCFFVVL	FILGIVKKRRL	KMSIETRAAF	FEKVKP	ILKLKRHHY	YIQLWDR		52
MD	FERY	FG	TV	KP	ILKLRRHY	FVKLWDY		28
MEQEV	FVKAYEK	VRP	IVLKA	FRQY	FIQLWDQ			31
MEQEV	FVKAYEK	VRP	IVLKA	FRQY	FIQLWDQ			31
MEQEV	FVHAYEV	VRP	IVLKAS	RQY	FIQLWDQ			31
MEQEV	FVHAYEV	VRP	IVLKAS	RQY	FIQLWDL			31
MEED	FEIV	NK	KP	IVW	LSRY	FIKMWTR		30
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MIKEL	YEEV	QGT	VYK	CRNE	YYLHLWEL			27
MEFEK	VYAS	VKGIVN	KARKEFY	IKLWDR				28
MEFEK	VYAS	VKGIVN	KARKEFY	IKLWDR				28
MEFEK	VYAS	VKGIVN	KARKEFY	IKLWDR				28
MEFEK	VYAS	VKGIVN	KARKEFY	IKLWDR				28
MMEQ	FEAM	YAKVR	GIVL	FCR	KDYYVQLWEQ			30
MKFED	VYKQ	VEGIVK	RCYK	DYYLHLWEY				28
MKFED	VYKQ	VEGIVK	RCYK	DYYLHLWEY				28

logo

NTDB id 582 DLJ51 RS00505 WP 002962720.1	DDWRQEARIIILYQLLERFPDLANDEEKLRIFYFKTKFRSYVLDNIRKQESQKRAFDRMIYEEISBIGHMTPSQQMD.TADY	155
NTDB id 450 SPYM18 RS08475 WP 011018214.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 449 SPYM18 RS01395 WP 011018214.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 442 SPYM3 RS08515 WP 011106595.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 441 SPYM3 RS01385 WP 011106595.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	DDWLQEGHIILLQLLERYPELIEEEERLYRYFKTKFSSYLKDLLRRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id 554 STRINF RS00370 WP 115283725.1	EDWIQEGRIVFFQLLEEHPDLINNEGKCYSYFKTKFSNVKVDIIRHQESFKRKFNRMPEYEEISDIISHCVPQVFFFEVEDY	108
NTDB id 320 STU RS10340 WP 002949220.1	ADMEQEAMMTLYQLLKKFPDLEKDDDKLRRYFKTKFRNRINDEVRRQESVKKRQANRQCYYVEISDIAFCIPNKEID.MVDR	110
NTDB id 47 STER RS00925 WP 002949220.1	ADMEQEAMMTLYQLLKKFPDLEKDDDKLRRYFKTKFRNRINDEVRRQESVKKRQANRQCYYVEISDIAFCIPNKEID.MVDR	110
NTDB id 468 HSISS4 RS00725 WP 021143466.1	ADMEQEAMMTLYQLLEKFPDELKSDDDKLRRYFKTKFRNRINDEVRRQESVKKRQANRQCYYVEISDIAFCIPNKEID.AVDR	110
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	ADMEQEAMMTLYQLLEKFPDELKSDDDKLRRYFKTKFRNRINDEVRRQESVKKRQANRQCYYVEISDIAFCIPNKEID.AVDR	110
NTDB id 44 SMU RS09085 WP 002263585.1	EDWQQEGMILHLHQLLREHPELEEDDTKLYIYFKTRFSNYIKDVLRRQESQKRFRNRMSYEEVGEIEHCLSSGCMQ.LDEY	109
NTDB id 141 SP RS10155 WP 000588925.1	SDWEQEGMICLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLW.LDDY	106
NTDB id 140 SP RS00070 WP 000588925.1	SDWEQEGMICLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLW.LDDY	106
NTDB id 252 KZH43 RS09050 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLW.LDDY	106
NTDB id 251 KZH43 RS09050 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLW.LDDY	106
NTDB id 211 SPD RS09675 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLW.LDDY	106
NTDB id 210 SPD RS00065 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLW.LDDY	106
NTDB id 177 SPR RS09210 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLW.LDDY	106
NTDB id 176 SPR RS00065 WP 000588897.1	SDWDQEGMICLHELISREEGLVDDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGLW.LDDY	106
NTDB id 489 SM12261 RS01070 WP 000471940.1	SDWDQEGMICLHELISREEGLVEDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGMW.LDEY	106
NTDB id 488 SM12261 RS00065 WP 000471939.1	SDWDQEGMICLHELISREEGLVEDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEPYEEVGEISHRISEGGMW.LDEY	106
NTDB id 517 SMSK321 RS10700 WP 000471945.1	SDWDQEGMICLHELISREEGLVEDIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKEAYEEVGEISHRIEGEGGLW.LDDY	106
NTDB id 516 SMSK321 RS09125 WP 000471944.1	SDWDQEGMICLHELISKEEELAEIPRLRKYFKTKFRNRILDYIRKQESQKRRYDKESYEEVGEISHRIEGEGGLW.LDEY	106
NTDB id 457 SSUD9 RS00080 WP 002936602.1	DDWEQEGMMTLFELEAQPWLVDEQVQLYCYFKVKFRNRKDRIRKQESQKRKFDRMPHEDIHELISHATQSPGLI.NDEL	107
NTDB id 461 GPW51 RS00080 WP 011921639.1	DDWEQEGMMTLFELEAQPWLVDEQVQLYCYFKVKFRNRKDRIRKQESQKRKFDRMPHEDIHELISHATQSPGLI.NDEL	107
NTDB id 454 SSU RS00080 WP 011921639.1	DDWEQEGMMTLFELEAQPWLVDEQVQLYCYFKVKFRNRKDRIRKQESQKRKFDRMPHEDIHELISHATQSPGLI.NDEL	107
NTDB id 193999 BFM96 RS02285 WP 223245866.1	EDWEQEGMVLVLYQLLKQYPELGE.EKLYVYVKTKFRNHVLDVIRKQESQKRKLNRMAVEEVSEIGHKLTQGGIL.PDDQ	107
NTDB id 424 SGO RS10430 WP 012130755.1	ADWRQEGMVLVLYELLKSHPNLLEDQPRLYRYFKTKFRNRHDLIRKQESQKRKLDRQPVEEVSEIGHRLRMKELY.LDEL	107
NTDB id 423 SGO RS08370 WP 012130755.1	ADWRQEGMVLVLYELLKSHPNLLEDQPRLYRYFKTKFRNRHDLIRKQESQKRKLDRQPVEEVSEIGHRLRMKELY.LDEL	107
consensus	! * * ! ! * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * *	

logo

NTDB id 582 DLJ51 RS00505 WP 002962720.1	CALKEKIKELKQKLAPE	207
NTDB id 450 SPYM18 RS08475 WP 011018214.1	VAYQEV	183
NTDB id 449 SPYM18 RS01395 WP 011018214.1	VAYQEV	183
NTDB id 442 SPYM3 RS08515 WP 011106595.1	VAYQEV	183
NTDB id 441 SPYM3 RS01385 WP 011106595.1	VAYQEV	183
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	VAYQEV	183
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	VAYQEV	183
NTDB id 554 STRINF RS00370 WP 115283725.1	VAYQDS	158
NTDB id 320 STU RS10340 WP 002949220.1	LAYDEQL	165
NTDB id 47 STER RS00925 WP 002949220.1	LAYDEQL	165
NTDB id 468 HSISS4 RS00725 WP 021143466.1	LVDYDEQL	165
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	LVDYDEQL	165
NTDB id 44 SMU RS09085 WP 002263585.1	ILFRD	160
NTDB id 141 SP RS10155 WP 000588925.1	YLFHET	159
NTDB id 140 SP RS00070 WP 000588925.1	YLFHET	159
NTDB id 252 KZH43 RS09050 WP 000588897.1	YLFHET	159
NTDB id 251 KZH43 RS09050 WP 000588897.1	YLFHET	159
NTDB id 211 SPD RS09675 WP 000588897.1	YLFHET	159
NTDB id 210 SPD RS00065 WP 000588897.1	YLFHET	159
NTDB id 177 SPR RS09210 WP 000588897.1	YLFHET	159
NTDB id 176 SPR RS00065 WP 000588897.1	YLFHET	159
NTDB id 489 SM12261 RS01070 WP 000471940.1	YLFHET	159
NTDB id 488 SM12261 RS00065 WP 000471939.1	YLFHET	159
NTDB id 517 SMSK321 RS10700 WP 000471945.1	YLFHET	159
NTDB id 516 SMSK321 RS09125 WP 000471944.1	YLFHET	159
NTDB id 457 SSUD9 RS00080 WP 002936602.1	LMLRGAL	156
NTDB id 461 GPW51 RS00080 WP 011921639.1	LMLRGAL	156
NTDB id 454 SSU RS00080 WP 011921639.1	LMLRGAL	156
NTDB id 193999 BFM96 RS02285 WP 223245866.1	YLLQAEL	156
NTDB id 424 SGO RS10430 WP 012130755.1	VAFRSAM	160
NTDB id 423 SGO RS08370 WP 012130755.1	VAFRSAM	160
consensus	*** * * **** * * * * * ! ! * * * * * * * *	

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