

logo

NTDB id 289812 DDJ96 RS01365 WP 010736524.1	MDRRDVTPKMKK	R	K	S	N	.	G	I	W	R	K	L	G	V	V	G	G	V	I	G	L	.	L	T	F	G	I	F	Y	A	A	T	G	G	N	S	V	T	T	S	S	S	G	T	Q	N	A	S	G	E	T	V	V	E	N	V	K	V	N	V	D	S	D
NTDB id 381 SMU RS09890 WP 002262650.1		M	N	N	T	K	S	H	P	F	L	K	W	F	I	P	F	L	V	I	F	L	T	F	I	L	G	V	I	S	T	L	T	F	N	W	I	T	G		N	K	S	F	S	N	N	G	K	..	T	T	V	S	N	V	I	Y	D	T	K	S	N
NTDB id 425 SGO RS10525 WP 012131081.1		M	K	N	S	S	N	F	F	K	K	T	L	Q	V	F	I	V	L	L	V	G	F	I	G	V	A	G	T	W	G	F	S	Y	F	S	T		P	H	S	A	T	N	N	Q	K	T	A	T	T	V	T	S	Y	K	N	S	N				
NTDB id 539 SM12261 RS09395 WP 000681587.1		M	K	H	L	K	T	F	Y	K	K	W	F	Q	L	L	V	V	I	S	F	F	S	G	A	L	G	S	F	S	I	T	Q	L	T	Q		K	S	T	E	S	T	..	S	N	N	N	S	T	I	T	Q	T	A	Y	K	N	E	N	S		
NTDB id 256 KZH43 RS10270 WP 000681597.1		M	K	H	L	K	T	F	Y	K	K	W	F	Q	L	L	V	V	I	S	F	F	S	G	A	L	G	S	F	S	I	T	Q	L	T	Q		K	S	S	V	N	N	..	S	N	N	N	S	T	I	T	Q	T	A	Y	K	N	E	N	S		
NTDB id 215 SPD RS10945 WP 000681597.1		M	K	H	L	K	T	F	Y	K	K	W	F	Q	L	L	V	V	I	S	F	F	S	G	A	L	G	S	F	S	I	T	Q	L	T	Q		K	S	S	V	N	N	..	S	N	N	N	S	T	I	T	Q	T	A	Y	K	N	E	N	S		
NTDB id 181 SPR RS10425 WP 000681597.1		M	K	H	L	K	T	F	Y	K	K	W	F	Q	L	L	V	V	I	S	F	F	S	G	A	L	G	S	F	S	I	T	Q	L	T	Q		K	S	S	V	N	N	..	S	N	N	N	S	T	I	T	Q	T	A	Y	K	N	E	N	S		
NTDB id 145 SP RS11450 WP 000681597.1		M	K	H	L	K	T	F	Y	K	K	W	F	Q	L	L	V	V	I	S	F	F	S	G	A	L	G	S	F	S	I	T	Q	L	T	Q		K	S	S	V	N	N	..	S	N	N	N	S	T	I	T	Q	T	A	Y	K	N	E	N	S		
consensus		*****!*****																									*** * *****																																				

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NTDB id 289812 DDJ96 RS01365 WP 010736524.1	ITSAVDKVVQGA	AVVSVINLQKQ	SSSS	S	D	P	F	G	S	L	F	G	Q	Q	E	S	S	G	E	D	G	L	Q	A	Y	S	E	G	S	G	V	I	Y	K	K	E	G	S	A	Y	I	V	T	N	N	H	V	D	G	Q	Q	G	L	E	V			
NTDB id 381 SMU RS09890 WP 002262650.1	TTKAVKNVKN	NTVSVIN	YQKTD	N	S	Y	N	Y	D	S	G	..	S	Q	.	E	K	N	K	S	E	D	G	L	G	V	Y	G	E	G	S	G	V	I	Y	K	K	D	G	S	A	Y	L	V	T	N	N	H	V	V	K	D	A	E	K	L	E	I
NTDB id 425 SGO RS10525 WP 012131081.1	TTTAVDKV	KDAVVS	VITYSESNS	D	A	I	F		D	.	N	N	N	S	G	N	E	N	D	Q	V	A	S	E	G	S	G	V	I	R	K	D	K	D	A	Y	L	V	T	N	T	H	V	I	N	G	A	K	K	V	D	I						
NTDB id 539 SM12261 RS09395 WP 000681587.1	TTQAVN	KVKDAVVS	VITYSANRQNSVF		G	.	N	D	D	T	D	T	S	Q	I	S	S	E	G	S	G	V	I	Y	K	K	N	D	K	E	A	Y	I	V	T	N	N	H	V	I	N	G	A	S	K	V	D	I										
NTDB id 256 KZH43 RS10270 WP 000681597.1	TTQAVN	KVKDAVVS	VITYSANRQNSVF		G	.	N	D	D	T	D	T	S	Q	R	I	S	S	E	G	S	G	V	I	Y	K	K	N	D	K	E	A	Y	I	V	T	N	N	H	V	I	N	G	A	S	K	V	D	I									
NTDB id 215 SPD RS10945 WP 000681597.1	TTQAVN	KVKDAVVS	VITYSANRQNSVF		G	.	N	D	D	T	D	T	S	Q	R	I	S	S	E	G	S	G	V	I	Y	K	K	N	D	K	E	A	Y	I	V	T	N	N	H	V	I	N	G	A	S	K	V	D	I									
NTDB id 181 SPR RS10425 WP 000681597.1	TTQAVN	KVKDAVVS	VITYSANRQNSVF		G	.	N	D	D	T	D	T	S	Q	R	I	S	S	E	G	S	G	V	I	Y	K	K	N	D	K	E	A	Y	I	V	T	N	N	H	V	I	N	G	A	S	K	V	D	I									
NTDB id 145 SP RS11450 WP 000681597.1	TTQAVN	KVKDAVVS	VITYSANRQNSVF		G	.	N	D	D	T	D	T	S	Q	R	I	S	S	E	G	S	G	V	I	Y	K	K	N	D	K	E	A	Y	I	V	T	N	N	H	V	I	N	G	A	S	K	V	D	I									
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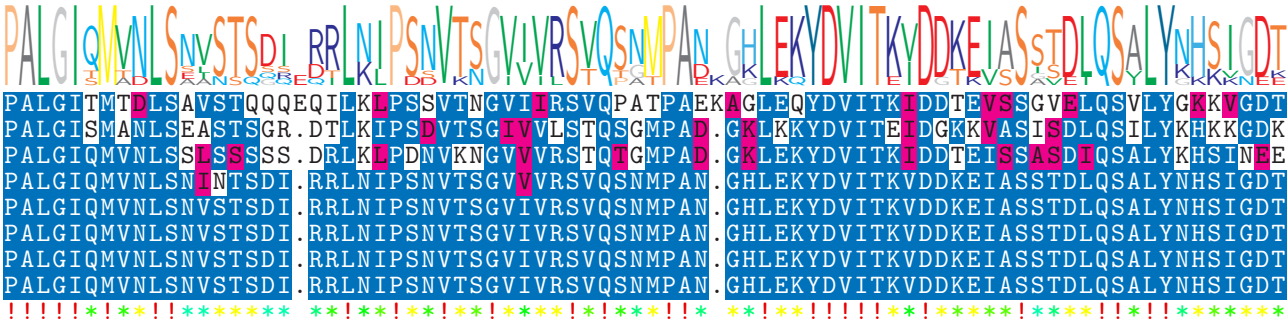
NTDB id 289812 DDJ96 RS01365 WP 010736524.1	L	L	K	D	G	T	K	V	K	A	E	L	V	G	T	D	A	Y	T	D	L	A	V	L	K	I	S	A	D	K	V	D	T	V	A	S	F	G	D	S	A	S	L	K	V	G	E	P	A	I	A	I	G	S	P	L	G	S	Q	Y	A	N	S	V	T	S	G	I	T	S	S	L	N	R	Q	V	T	S	T	N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NTDB id 381 SMU RS09890 WP 002262650.1	M	M	A	N	G	K	K	V	V	G	K	L	V	G	S	D	T	Y	S	D	L	A	V	I	K	I	S	S	K	Y	V	T	T	V	A	E	F	A	N	S	D	K	I	K	V	G	E	P	A	I	A	I	G	S	P	L	G	S	D	Y	A	N	S	V	T	E	G	I	V	S	S	L	S	R	T	V	T	S	Q	N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NTDB id 425 SGO RS10525 WP 012131081.1	R	L	A	D	G	N	K	V	P	G	E	I	V	G	A	D	T	F	S	D	I	A	V	K	I	S	S	E	K	V	T	T	V	A	E	F	A	N	S	D	K	I	K	V	G	E	P	A	I	A	I	G	S	P	L	G	S	D	Y	A	N	T	V	T	Q	G	I	V	S	S	L	S	R	N	V	S	L	K	S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB id 539 SM12261 RS09395 WP 000681587.1	R	L	S	D	G	T	K	V	P	G	E	I	V	G	A	D	T	F	S	D	I	A	V	K	I	S	S	E	K	V	T	T	V	A	E	F	A	N	S	D	K	I	K	V	G	E	P	A	I	A	I	G	S	P	L	G	S	D	Y	A	N	T	V	T	Q	G	I	V	S	S	L	S	R	N	V	S	L	K	S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB id 256 KZH43 RS10270 WP 000681597.1	R	L	S	D	G	T	K	V	P	G	E	I	V	G	A	D	T	F	S	D	I	A	V	K	I	S	S	E	K	V	T	T	V	A	E	F	A	N	S	D	K	I	K	V	G	E	P	A	I	A	I	G	S	P	L	G	S	D	Y	A	N	T	V	T	Q	G	I	V	S	S	L	S	R	N	V	S	L	K	S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB id 215 SPD RS10945 WP 000681597.1	R	L	S	D	G	T	K	V	P	G	E	I	V	G	A	D	T	F	S	D	I	A	V	K	I	S	S	E	K	V	T	T	V	A	E	F	A	N	S	D	K	I	K	V	G	E	P	A	I	A	I	G	S	P	L	G	S	D	Y	A	N	T	V	T	Q	G	I	V	S	S	L	S	R	N	V	S	L	K	S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB id 181 SPR RS10425 WP 000681597.1	R	L	S	D	G	T	K	V	P	G	E	I	V	G	A	D	T	F	S	D	I	A	V	K	I	S	S	E	K	V	T	T	V	A	E	F	A	N	S	D	K	I	K	V	G	E	P	A	I	A	I	G	S	P	L	G	S	D	Y	A	N	T	V	T	Q	G	I	V	S	S	L	S	R	N	V	S	L	K	S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB id 145 SP RS11450 WP 000681597.1	R	L	S	D	G	T	K	V	P	G	E	I	V	G	A	D	T	F	S	D	I	A	V	K	I	S	S	E	K	V	T	T	V	A	E	F	A	N	S	D	K	I	K	V	G	E	P	A	I	A	I	G	S	P	L	G	S	D	Y	A	N	T	V	T	Q	G	I	V	S	S	L	S	R	N	V	S	L	K	S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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NTDB id 289812 DDJ96 RS01365 WP 010736524.1	ESNETVNINAIQTDAAINPGNSGGPLVNI	EGQVIGINSSKIAS	TS	D	..SSSV	SVEGMGFAIPSNDV	VNIINQLEK	D	GKVT	R	316
NTDB id 381 SMU RS09890 WP 002262650.1	ENGETISTNAIQTDAAINPGNSGGALINIK	QQVIGINSSKIAS	SN	NS	NS	GVAVEGMGFAIPSNDV	VSIINQLE	ENG	EV	VR	297
NTDB id 425 SGO RS10525 WP 012131081.1	EDGQTIA	TQAIQTDAAINPGNSGGPLVNI	QQVIGITSSKIAN	TN	..	GTSVEGMGFAIPSNDV	VNIIEQLEK	NGK	V	IR	291
NTDB id 539 SM12261 RS09395 WP 000681587.1	EDGQAISTKAIQTDTAINPGNSGGPLINI	QQGVIGITSSKIA	T	..	N	..GGTSVEGLGFAIPANDAINI	IEQLEK	NGK	V	TR	288
NTDB id 256 KZH43 RS10270 WP 000681597.1	EDGQAISTKAIQTDTAINPGNSGGPLINI	QQGVIGITSSKIA	T	..	N	..GGTSVEGLGFAIPANDAINI	IEQLEK	NGK	V	TR	288
NTDB id 215 SPD RS10945 WP 000681597.1	EDGQAISTKAIQTDTAINPGNSGGPLINI	QQGVIGITSSKIA	T	..	N	..GGTSVEGLGFAIPANDAINI	IEQLEK	NGK	V	TR	288
NTDB id 181 SPR RS10425 WP 000681597.1	EDGQAISTKAIQTDTAINPGNSGGPLINI	QQGVIGITSSKIA	T	..	N	..GGTSVEGLGFAIPANDAINI	IEQLEK	NGK	V	TR	288
NTDB id 145 SP RS11450 WP 000681597.1	EDGQAISTKAIQTDTAINPGNSGGPLINI	QQGVIGITSSKIA	T	..	N	..GGTSVEGLGFAIPANDAINI	IEQLEK	NGK	V	TR	288
consensus	***** *****										

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NTDB id 289812 DDJ96 RS01365 WP 010736524.1
NTDB id 381 SMU RS09890 WP 002262650.1
NTDB id 425 SGO RS10525 WP 012131081.1
NTDB id 539 SM12261 RS09395 WP 000681587.1
NTDB id 256 KZH43 RS10270 WP 000681597.1
NTDB id 215 SPD RS10945 WP 000681597.1
NTDB id 181 SPR RS10425 WP 000681597.1
NTDB id 145 SP RS11450 WP 000681597.1
consensus



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NTDB id 289812 DDJ96 RS01365 WP 010736524.1
NTDB id 381 SMU RS09890 WP 002262650.1
NTDB id 425 SGO RS10525 WP 012131081.1
NTDB id 539 SM12261 RS09395 WP 000681587.1
NTDB id 256 KZH43 RS10270 WP 000681597.1
NTDB id 215 SPD RS10945 WP 000681597.1
NTDB id 181 SPR RS10425 WP 000681597.1
NTDB id 145 SP RS11450 WP 000681597.1
consensus



434
402
397
393
393
393
393
393

☐ non conserved
☒ similar
☒ ≥ 50% conserved