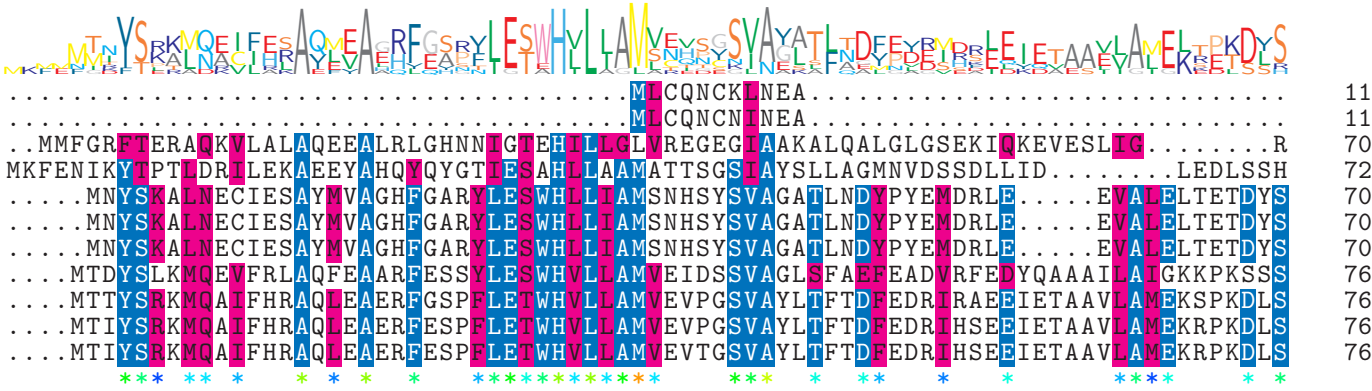


logo

NTDB id	378	SMU	RS02690	WP	002263569.1
NTDB id	601	KW2	RS02615	WP	021036805.1
NTDB id	85	BSU	00860	NP	387967.1
NTDB id	610	V4T04	RS10165	WP	012897346.1
NTDB id	287	SP	RS11210	WP	001109712.1
NTDB id	290	KZH43	RS10025	WP	001109677.1
NTDB id	289	SPD	RS10700	WP	001109677.1
NTDB id	377	SMU	RS09275	WP	002262344.1
NTDB id	132875	SSAL8618	RS00545	WP	022496764.1
NTDB id	329	STU	RS10020	WP	011225298.1
NTDB id	297	STER	RS00545	WP	011680614.1
consensus					



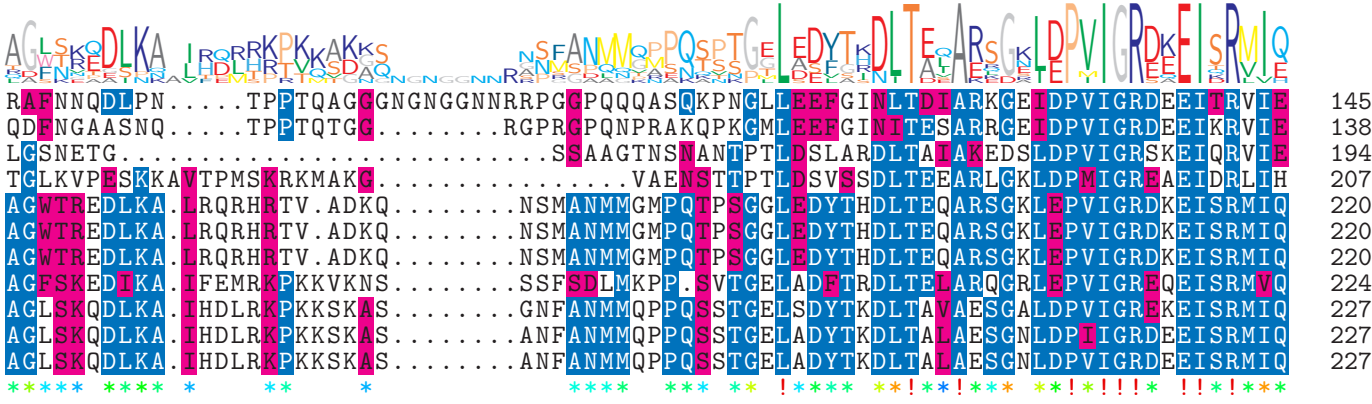
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NTDB id	378	SMU	RS02690	WP	002263569.1
NTDB id	601	KW2	RS02615	WP	021036805.1
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NTDB id	132875	SSAL8618	RS00545	WP	022496764.1
NTDB id	329	STU	RS10020	WP	011225298.1
NTDB id	297	STER	RS00545	WP	011680614.1
consensus					



logo

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NTDB id	601	KW2	RS02615	WP	021036805.1
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NTDB id	287	SP	RS11210	WP	001109712.1
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NTDB id	289	SPD	RS10700	WP	001109677.1
NTDB id	377	SMU	RS09275	WP	002262344.1
NTDB id	132875	SSAL8618	RS00545	WP	022496764.1
NTDB id	329	STU	RS10020	WP	011225298.1
NTDB id	297	STER	RS00545	WP	011680614.1
consensus					



logo

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NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 132875 SSAL8618 RS00545 WP 022496764.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
consensus

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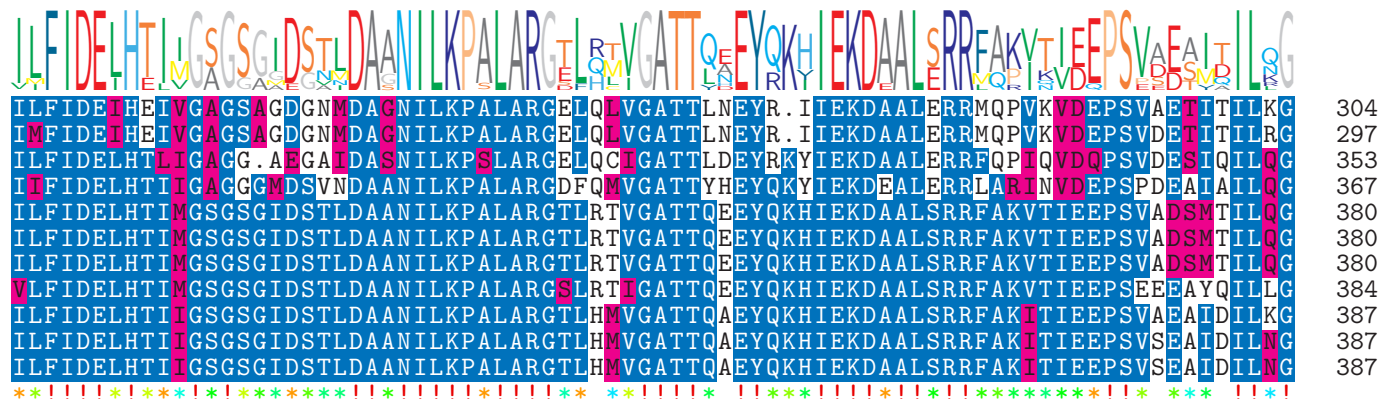


logo

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NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 132875 SSAL8618 RS00545 WP 022496764.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
consensus

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logo

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NTDB id 378 SMU RS02690 WP 002263569.1
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NTDB id 132875 SSAL8618 RS00545 WP 022496764.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
consensus

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logo

NTDB id 378	SMU RS02690 WP 002263569.1	EDYEKAAYFRDQIAKYKEMQSA.....KLDKENTPVITEKNIEVIVEQKTNIPV	GELKEKEQSQLIHLADDLKT	RVIGQ	456		
NTDB id 601	KW2 RS02615 WP 021036805.1	EDFEKAAHFRDQISKRLRELQKQ.....EVTDEDMPVITEKDIEQIVEQKTQIPV	GDKEKEQQTQLINLADDLKA	HVIGQ	449		
NTDB id 85	BSU 00860 NP 387967.1	QEFEKAAASLRDTEQRLREQVIEDTKKSWKEKQGGQENSEVTVDDIAMVVS	SWIGVPVSKIAQTETDKLLN	MENILHS	RVIGQ	513	
NTDB id 610	V4T04 RS10165 WP 012897346.1	LDIKASRTKEKAVEKIDAKTIYK...F..SVKEDKRQEVTDQAVAVASTLT	LGVPITQMTKSESDRLINLEK	ELHKRV	VGQ	522	
NTDB id 287	SP RS11210 WP 001109712.1	GKWKQAA.....QLIA...KEEEVP.VYKD	LVTESDILTTLSRLSGIPVQ	KLTQTD	AKKYNLEA	ELHKRVIGQ	517
NTDB id 290	KZH43 RS10025 WP 001109677.1	GKWKQAA.....QLIA...KEEEVP.VYKD	LVTESDILTTLSRLSGIPVQ	KLTQTD	AKKYNLEA	ELHKRVIGQ	517
NTDB id 289	SPD RS10700 WP 001109677.1	GKWKQAA.....QLIA...KEEEVP.VYKD	LVTESDILTTLSRLSGIPVQ	KLTQTD	AKKYNLEA	ELHKRVIGQ	517
NTDB id 377	SMU RS09275 WP 002262344.1	NDYQLAK.....RLLK...KEKKPLLKKRAEVKEEDILATLS	KLSGIPVKKLTQADS	SKKYNLER	RELHKRVIGQ	520	
NTDB id 132875	SSAL8618 RS00545 WP 022496764.1	GDMKAAV.....KQYK...ASQKAKLPKPA	LVDADQIMQTL	SRLSGIPVEKMTTQADS	SKRYNLEA	ELHKRVIGQ	523
NTDB id 329	STU RS10020 WP 011225298.1	GDIGA AV.....KQYK...ANQKAKFPKPA	LVDADQIMQTL	SRLSGIPVEKMTTQDS	SKRYLNLE	SELHKRVIGQ	523
NTDB id 297	STER RS00545 WP 011680614.1	GDIGA AV.....KQYK...ANQKAKFPKPA	LVDADQIMQTL	SRLSGIPVEKMTTQDS	SKRYLNLE	SELHKRVIGQ	523
consensus		*** * *	*	***** *	*****!*	*****!***!***!	

logo

NTDB id 378	SMU RS02690 WP 002263569.1	DAAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGPTGVGKTLSKQLAIELFSGSEDSMIRFDMSEYMEKHAVAKLVGAPPGY	536
NTDB id 601	KW2 RS02615 WP 021036805.1	DEAVDKISKAIRRSRVCLGKPNNRPIGSFLFVGPTGVGKTSLAKQLAKELFGSSESMSIRFDMSEYMEKHSSVAKLIGAPPGY	529
NTDB id 85	BSU 00860 NP 387967.1	DEAVVAVAKAVRRARAGLKDPKRPIGSFIIFLGPTGVGKTSLALAEISIFGDEESMIRIDMSEYMEKHSTSRVLVGSPPGY	593
NTDB id 610	V4T04 RS10165 WP 012897346.1	EATSAISRRAIRNARSQVADSPRPMPGSFMFLGPTGVGKTSLAKALAEVDFGSEDNMIRVDMSEYMEKHSTRRLIGAPPGY	602
NTDB id 287	SP RS11210 WP 001109712.1	DQAVSSIIRAIRRNQSGIRSHKRPISGFMLGPTGVGKTSLAKALAEVLFDDDESALIRFDMSEYMEKFAASRLNGAPPGY	597
NTDB id 290	KZH43 RS10025 WP 001109677.1	DQAVSSIIRAIRRNQSGIRSHKRPISGFMLGPTGVGKTSLAKALAEVLFDDDESALIRFDMSEYMEKFAASRLNGAPPGY	597
NTDB id 289	SPD RS10700 WP 001109677.1	DQAVSSIIRAIRRNQSGIRSHKRPISGFMLGPTGVGKTSLAKALAEVLFDDDESALIRFDMSEYMEKFAASRLNGAPPGY	597
NTDB id 377	SMU RS09275 WP 002262344.1	DDAVSSIIRAIRRNQSGIRVGRKRPISGFMLGPTGVGKTSLAKALAEVLFDDDESALIRFDMSEYMEKFAASRLNGAPPGY	600
NTDB id 132875	SSAL8618 RS00545 WP 022496764.1	DEAVSAISRRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTSLAKALAEVLFDDDESALLRFDMSEYMEKFAASRLNGAPPGY	603
NTDB id 329	STU RS10020 WP 011225298.1	DEAVSAISRRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTSLAKALAEVLFDDDESALLRFDMSEYMEKFAASRLNGAPPGY	603
NTDB id 297	STER RS00545 WP 011680614.1	DEAVSAISRRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTSLAKALAEVLFDDDESALLRFDMSEYMEKFAASRLNGAPPGY	603
consensus		* * ! * * * * * ! * ! ! * * * ! * * * * ! ! * ! ! ! * ! * ! ! ! ! ! * * * ! ! * * * ! * * * * * * * * ! * ! ! ! * ! ! ! * * * * * ! * ! * ! ! !	

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NTDB id 378 SMU RS02690 WP 002263569.1	GASREG....RTNSVIGELGNFFSPEFMRNFDGITEFQALSKDNILQIVSLIMDDVNRQLAVNAIHLDTDKVKEKIVD	689
NTDB id 601 KW2 RS02615 WP 021036805.1	GAAREG....RTKSVLGQLGDFFSPEFMRNFDGITEFSALSKENLLKIVDLMDEVNEQIGRNDIHLSTVQAAKEKIVD	682
NTDB id 85 BSU 00860 NP 387967.1	NVQDETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKHLTEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAE	753
NTDB id 610 V4T04 RS10165 WP 012897346.1	GAKNITADYSAMKSRILEELKRHYRPEFINRIDEIVFHSLESQETIEQIVKIMSKSLTKRLAEQDIHVKTTPSAVKLTAE	762
NTDB id 287 SP RS11210 WP 001109712.1	GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVVFHSLSSDHHMQEVVKIMVKPLVASLTEKGIDLKLQASALKLLAN	757
NTDB id 290 KZH43 RS10025 WP 001109677.1	GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVVFHSLSSDHHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLAN	757
NTDB id 289 SPD RS10700 WP 001109677.1	GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVVFHSLSSDHHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLAN	757
NTDB id 377 SMU RS09275 WP 002262344.1	GAKSFSQDYKAMESRILEELKKVYRPEFINRIDEKVVVFHNLGQEDIRHIVKIMVAPLIAHLADQGITLKFQPSALKHLAL	760
NTDB id 132875 SSAL8618 RS00545 WP 022496764.1	GARDISHNNHQAMQSRIMEELKKAYRPEFINRIDEKVVVFHSLSEEQRLREIVKIMVKPLVSALAEGIDLKFQPAALKHLAK	763
NTDB id 329 STU RS10020 WP 011225298.1	GAQTISHNNHQAMQARIMEELKKSYPREFINRIDEKVVVFHSLSEEQRLHDIVKIMVKPLISALADKGISLKFQPAALKHLAK	763
NTDB id 297 STER RS00545 WP 011680614.1	GAQTISHNNHQAMQARIMEELKKSYPREFINRIDEKVVVFHSLSEEQRLHDIVKIMVKPLISALADKGISLKFQPAALKHLAK	763
consensus	*** ** * *****! ** *!!!!!!*!*****!***! * * !!!**!*!!!!** * ***** ** ** *	

logo

NTDB id 378 SMU RS02690 WP 002263569.1	LGYPDKMGARPLRRTIQEHIEDAITDFYLEHPEQKE.LKAITMTSNGKIVIKASNKVETVTKATSD.....	753
NTDB id 601 KW2 RS02615 WP 021036805.1	LGYNPAMGARPLRRTIQENIEDSIADFYIEHPEYKQ.LVADLTDDKIVISNQTQET...AETTDEEVPAE	748
NTDB id 85 BSU 00860 NP 387967.1	EGVDLEYGARPLRRAIQKHVEDRLSEELLRGNIHKQGHIVLDVEDGEFVVKTTAKTN.....	810
NTDB id 610 V4T04 RS10165 WP 012897346.1	VGFDPPEYGARPLRKALQKEVEDLLSEQLLSGETIKACNHVSIGASNKKIKIAQIV.....	816
NTDB id 287 SP RS11210 WP 001109712.1	QGYDPEMGARPLRRTIQTEVEDKLAELLKGDIVAGSTLKIGVKAGQLKFDIA.....	810
NTDB id 290 KZH43 RS10025 WP 001109677.1	QGYDPEMGARPLRRTIQTEVEDKLAELLKGDIVAGSILKIGVKAGQLKFDIA.....	810
NTDB id 289 SPD RS10700 WP 001109677.1	QGYDPEMGARPLRRTIQTEVEDKLAELLKGDIVAGSILKIGVKAGQLKFDIA.....	810
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NTDB id 132875 SSAL8618 RS00545 WP 022496764.1	DGYDVEMGARPLRRTIQTQVEDKLSSELLGGQVVSQTLKIGCSKDCLTFTVV.....	816
NTDB id 329 STU RS10020 WP 011225298.1	DGYDIEMGARPLRRTIQTQVEDKLSSELLGGQVVSQTLKIGCSKDCLTFTVV.....	816
NTDB id 297 STER RS00545 WP 011680614.1	DGYDIEMGARPLRRTIQTQVEDKLSSELLGGQVVSQTLKIGCSKDCLTFTVV.....	816
consensus	!*****!!!!!!*****! * *!!!!***** * * * * * * * * * * * * *	

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