

NTDB id	1284	ACE17W	RS12370	WP	010946666.1	MRKIIAILIL..ISASLSMAYS	SKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLD	FISTDMQIPSDQ	78
NTDB id	1257	GC085	RS04855	WP	163621000.1	MRKIIAILIL..ISASLSLAY	SKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLD	FISTDMQIPSDQ	78
NTDB id	1186	GTF74	RS01320	WP	000788426.1	.....	.....	.....	0
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	.....	.....	.....	0
NTDB id	145665	FORC14	RS16575	WP	005488227.1	.....	.....	.....	0
NTDB id	1408	DSB67	RS13980	WP	010643500.1	.....	.....	.....	0
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	MNSGLSRLGIALIAA.MFAPALLAADLEKLIDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLIG..T		76	
NTDB id	1009	ACTAD	RS15175	WP	004923730.1	MKKIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K		77	
NTDB id	1039	HON27	RS01460	WP	031993779.1	MNHVFRQFSMGAVAIATMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q		77	
NTDB id	1052	ABD1	RS15850	WP	001017033.1	MNHVFRQFSMGAVAIATMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q		77	
consensus						* *	* *	*	

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NTDB id	1257 GC085 RS04855 WP 163621000.1	KTKTITQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVNLNGKSNDFENSKE.....VFITNQV	145
NTDB id	1186 GTF74 RS01320 WP 000788426.1	MKNGLKTY..VAQTWLTWLWGL....ALCASSTM.....VF..SAE	32
NTDB id	1175 A1552VC RS12105 WP 000788426.1	MKNGLKTY..VAQTWLTWLWGL....ALCASSTM.....VF..SAE	32
NTDB id	145665 FORC14 RS16575 WP 005488227.1	MKMRQGTLTRTPRMLTGFLSLWLFL....LLAP.....LA...AAE	33
NTDB id	1408 DSB67 RS13980 WP 010643500.1	MKMRHGLTLPKRKL TGLFSLWFSL....LLAP.....FV...AAE	33
NTDB id	1193 PAKAF RS26665 WP 003161249.1	KNRELISVGNTRS VTVVEAKDRTRLIINLTLS SYTTTRVEGNLFVVVGNSPAGASVAS TAPVKASPAPASYAQPIKP KY	156
NTDB id	1009 ACIAD RS15175 WP 004923730.1	SLIPVTTENAS SIDVSDDKRRARVVVN LKD AGAFTTRVEGN VFILK INNIQSTAT.....PVAT..SA.....	138
NTDB id	1039 HON27 RS01460 WP 031993779.1	SKIS VATNEASSVDVTSDDQRSRLTVNL KDTGAFTTRVEGNTFILKINS AQTSNK.....PLPV..VS.....	138
NTDB id	1052 ABD1 RS15850 WP 001017033.1	SKIS VATNEASSVDVTSDDQRSRLTVNL KDTGAFTTRVEGNTFILKINS AQTSNK.....PLPV..VS.....	138
consensus		* * * * ** ***** *** * **** * *	*

NTDB id 1284	ACE17W	RS12370	WP	010946666.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGPIIDVTQVGKEIVVNFINTKIPLNLMKRYDVSDFHSVPVQIITMQQEGKKV	225
NTDB id 1257	GC085	RS04855	WP	163621000.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGPIIDVTQVGKEIVVNFINTKIPLNLMKRYDVSDFHSVPVQIITMQQEGKKV	225
NTDB id 1186	GTF74	RS01320	WP	000788426.1	SATANQLENIDFRVNKEKA AVL LIVELASPSAVVDVQKQVQEGLSIELLKT TDV ADDKLYLLDVKDFS TP VESVEVFRKEPST	112
NTDB id 1175	A1552VC	RS12105	WP	000788426.1	SATANQLENIDFRVNKEKA AVL LIVELASPSAVVDVQKQVQEGLSIELLKT TDV ADDKLYLLDVKDFS TP VESVEVFRKEPST	112
NTDB id 145665	FORC14	RS16575	WP	005488227.1	DVQS N ALKSIDFRTNKSK DAVI VVELASPA AI VDVVKRVQEGLSIDL M NTSVKDEQLYLLDVKDFATV V ESVEVFRD T STT	113
NTDB id 1408	DSB67	RS13980	WP	010643500.1	EVQS N SLKSIDFRTNKDK DAVI VVELVSPAAI V DIKRVQEGLSIDL M NTSVKDDQLYLLDVKDFS TP VESVEVFRD T STT	113
NTDB id 1193	PAKAF	RS26665	WP	003161249.1	VPAGRAIR N IDFQRGEKGE GN VVIDLS D PTLSPDIQE Q GGKIRL D FAKTQLPDA L RVRLDVKDFATPVQFV N ASAQSDRT	236
NTDB id 1009	ACTAD	RS15175	WP	004923730.1	PAPQ Q GIGINIGFQRGAQGE GL VVIDLQGTNT P VDVQQQGS K VVVRFP G IKIP T HLARRL N TTDFATPVAS I DSYNDGSNG	218
NTDB id 1039	HON27	RS01460	WP	031993779.1	.AQPQGVSNIGFQRGSQGE GL VVVDDLGSNT P VDVQQQGS K VVIRTIG T KIP T HLARRL N VNDFATPVSS I DAYNDKGVG	217
NTDB id 1052	ABD1	RS15850	WP	001017033.1	.AQPQGVSNIGFQRGSQGE GL VVVDDLGSNT P VDVQQQGS K VVIRTIG T KIP T HLARRL N VNDFATPVSS I DAYNDKGVG	217
consensus					* *****!?!* ***** * **!****** ***** ******!*****! ***** *	

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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	RMTILSKGCDYGHFVYQVNMKQFMVDVFPILTAEIRQAKLKKQVFTGKRISLNFQNIISIRAVLQLLADFTGINMVVSDKVQG	305
NTDB id	1257	GCO85	RS04855	WP	163621000.1	RMTILSKGCDYGHFVYQVNMKQFMVDVFPILTAEIRQAKLKKQVFTGKRISLNFQNIISIRAVLQLLADFTGINMVVSDKVQG	305
NTDB id	1186	GTF74	RS01320	WP	000788426.1	QLVVTVDGEFQHDYTLKGKYLEVVISKLKADKPK.PKSVLEKEGKLISINFQDIPVRNVLQLLADYNGFNLVVSDSVVG	191
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	QLVVTVDGEFQHDYTLKGKYLEVVISKLKADKPK.PKSVLEKEGKLISINFQDIPVRNVLQLLADYNGFNLVVSDSVVG	191
NTDB id	145665	FORC14	RS16575	WP	005488227.1	RLVAYIDEETHDYRLTGRYLEITVSKLKPNEKVP.DKSILEKEGKLISINFQDIPVRNVLQLLADYNGFNLVVSDSVVG	192
NTDB id	1408	DSB67	RS13980	WP	010643500.1	RLVAYIDEETHDYRLTGRYLEITVSKLKPNEKVP.DKSILEKEGKLISINFQDIPVRNVLQLLADYNGFNLVVSDSVVG	192
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	SITIEPSGLYDYLVIYQTDNRLTVSIKPMTTEDAEERRKKDNFAYTGEKLSLNFQDIDVRSVLQLLADFTDINLVASDTVQG	316
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	VISIQSTGSYEYMAQYQENKLTISLKPQDNV.RLNSKNNQNYTGKLSLDFQDIEVRRVLQLLADFTNINMVTADSQQ	297
NTDB id	1039	HON27	RS01460	WP	031993779.1	VITIQSSGSYEYMAQYQENKLTISLKPQDNV.VTSLYKTPNYSCKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQ	296
NTDB id	1052	ABD1	RS15850	WP	001017033.1	VITIQSSGSYEYMAQYQENKLTISLKPQDNV.VTSLYKTPNYSCKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQ	296
consensus						*** * *** * ** * * *** * *** * * !***!***!!*! *! !!!!!*!***!!*!***!!*!	

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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	NITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEBQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLI	385
NTDB id	1257	GCO85	RS04855	WP	163621000.1	NITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEBQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLI	385
NTDB id	1186	GTF74	RS01320	WP	000788426.1	NITLRLDGVWPQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEITIKINFAKASDIAAMI	271
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	NITLRLDGVWPQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEITIKINFAKASDIAAMI	271
NTDB id	145665	FORC14	RS16575	WP	005488227.1	NITLRLDGVWPQQVLDIILQVKGLDKRVDGNVILVAPTDELDLREKQALEKQKLTTEMGELSEITIKINFAKASDIAEMI	272
NTDB id	1408	DSB67	RS13980	WP	010643500.1	NITLRLDGVWPQQVLDIILQVKGLDKRVDGNVILVAPTDELDLREKQALEKQKLTTEMGELSEITIKINFAKASDIAEMI	272
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	NITLRLQNPWDQALDLVLLKTKGLDKRKLGNVLLVAPADETAARERQLEAQAQIAELAPLHRELIQVNYAKAADIAKLF	396
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	NITLRLKDVDPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDAKAIAQSTKLAPLQTEYILKYAKAADIEKLI	377
NTDB id	1039	HON27	RS01460	WP	031993779.1	NITLRLKDVDPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDAKAIAQSTKLAPLQTEYILKYAKAADIEKLI	376
NTDB id	1052	ABD1	RS15850	WP	001017033.1	NITLRLKDVDPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDAKAIAQSTKLAPLQTEYILKYAKAADIEKLI	376
consensus						***!!*! ***!!*!***!!*! ***!!*! * !!*!*****!!*! * * * * * * * * * * * * * * * * * *	

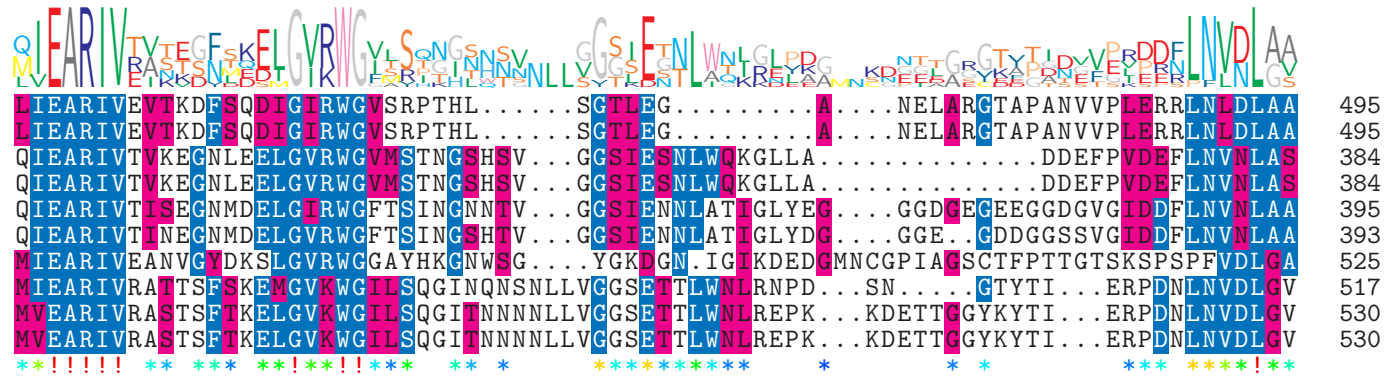
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NTDB id	1186	GTF74	RS01320	WP	000788426.1	GEGENV.....NMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQV	321
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	GEGENV.....NMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQV	321
NTDB id	145665	FORC14	RS16575	WP	005488227.1	NGEENI.....SMLSERGSMTIDERTNSLLIRELPDNIAVIREIIESLDIPVKQV	322
NTDB id	1408	DSB67	RS13980	WP	010643500.1	NGEENI.....SMLSERGSMTIDERTNSLLIRELPDNIAVIREIIESLDIPVKQV	322
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	QSVTSDGGGEG.....KEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQV	450
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	TQGRNNGTSNSN.....TNGSATVEPLGDSVGVLLSPRCTISIDPRTNLLINDTSQKIDQIRKMIIDLIPVKQV	448
NTDB id	1039	HON27	RS01460	WP	031993779.1	TQGSNNNSGLQHTSGGGTSTSTNLNTGVDSLGNVGVLLSPRCTITQDDRTNLLINDTAQSIDQIRKMIIDLIPVKQV	456
NTDB id	1052	ABD1	RS15850	WP	001017033.1	TQGSNNNSGLQHTSGGGTSTSTNLNTGVDSLGNVGVLLSPRCTITQDDRTNLLINDTAQSIDQIRKMIIDLIPVKQV	456
consensus						* *****!!*****!***!!*!*****!!*!*****!!*!*****!!*!*****!!*!	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1
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consensus

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consensus

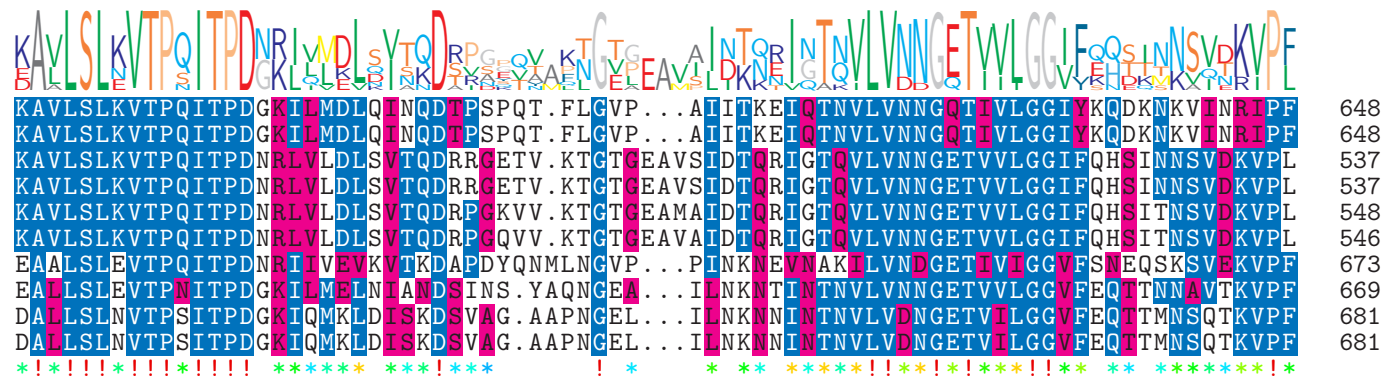
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NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
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consensus

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NTDB id 1257 GCO85 RS04855 WP 163621000.1	FGE L P V V G I L F S N R Q I T L K N E E L L I F V T P R I I T N A L S I T T I E G R E K D V Y K	698
NTDB id 1186 GTF74 RS01320 WP 000788426.1	L G D L P V L G A L F R R T Y E Q M C K S E L L I F V T P K V V I Q	571
NTDB id 1175 A1552VC RS12105 WP 000788426.1	L G D L P V L G A L F R R T Y E Q M C K S E L L I F V T P K V V I Q	571
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NTDB id 1408 DSB67 RS13980 WP 010643500.1	L G D L P L L G A L F R R S Y E N V G K S E L L I F V T P K V V I Q	580
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NTDB id 1052 ABD1 RS15850 WP 001017033.1	F G D I P V V G R L F R K D V K S D D K Q E L L I F V T P R I V N D T L A R N H	721
consensus	* ! * * ! * * ! ! ! * * * * * * * * ! ! ! * ! * ! ! * * * * * * *	

- non conserved
- similar
- ≥ 50% conserved