

logo

NTDB id 1284	ACE17W	RS12370	WP	010946666.1	MRKIIAILIL..ISASLSMAYSKDNSLISVKVLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1257	GC085	RS04855	WP	163621000.1	MRKIIAILIL..ISASLSLAYSKDNSLISVKVLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1186	GTf74	RS01320	WP	000788426.1		0
NTDB id 1175	A1552VC	RS12105	WP	000788426.1		0
NTDB id 1408	DSB67	RS13980	WP	010643500.1		0
NTDB id 1009	ACIAD	RS15175	WP	004923730.1	MKQIRQFSIGTVAYALMQVASAQVALITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K	77
NTDB id 1039	HON27	RS01460	WP	031993779.1	MNHVFRQFSMGAVAIATMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q	77
NTDB id 1052	ABD1	RS15850	WP	001017033.1	MNHVFRQFSMGAVAIATMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q	77
NTDB id 321376	D8767	RS02390	WP	016712494.1		0
NTDB id 1193	PAKAF	RS26665	WP	003161249.1	MNSGLSRLGIALIAA.MFAPALLAADLEKIDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T	76
consensus					* * * * *	

logo

NTDB id	1284 ACE17W RS12370 WP 010946666.1	KTKTQQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENS.....KEVFITNQV	145
NTDB id	1257 GC085 RS04855 WP 163621000.1	KTKTQQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVNLNKGKSNDFENS.....KEVFITNQV	145
NTDB id	1186 GTF74 RS01320 WP 000788426.1	MKNKGLKT..YVAQTWLTLWGALC.....AS.....SMVFSAE	32
NTDB id	1175 A1552VC RS12105 WP 000788426.1	MKNKGLKT..YVAQTWLTLWGALC.....AS.....SMVFSAE	32
NTDB id	1408 DSB67 RS13980 WP 010643500.1	MKMRHCLLTLPRLKLTLFSLWFSLLLA.....P.....FVAEE	33
NTDB id	1009 ACIAD RS15175 WP 004923700.1	SLIPVTNEASSIDVSDDKRARVVVNLDAGAFTTRVEGNVFILKINNIQSTAT.....PVAT..SA.....	138
NTDB id	1039 HON27 RS01460 WP 031993779.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDGAFTTRVEGNTFILKINSAQTSNK.....PLPV..VS.....	138
NTDB id	1052 ABD1 RS15850 WP 001017033.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDGAFTTRVEGNTFILKINSAQTSNK.....PLPV..VS.....	138
NTDB id	321376 D8767 RS02390 WP 016712494.1	KNRELSVGNRSSVTIVEAKDRTLRILIINTLTLSSYTTRVEGNFLFVVGVNSPGASVASTAPVKASPAPASYAQPIPKPY	0
NTDB id	1193 PAKAF RS26665 WP 003161249.1	KNRELSVGNRSSVTIVEAKDRTLRILIINTLTLSSYTTRVEGNFLFVVGVNSPGASVASTAPVKASPAPASYAQPIPKPY	156
consensus		* * *	*

logo

NTDB id 1284	ACE17W	RS12370	WP 010946666.1	VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQEGKKV	225
NTDB id 1257	GC085	RS04855	WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQEGKKV	225
NTDB id 1186	GTFT4	RS01320	WP 000788426.1	SATANQLENIDFRVNKEKA AAVLIVELASPSAVVDVQKVQEGLSIELLKTDTVADDKLYLLDVKDFS TPVESVEVFRKEPST	112
NTDB id 1175	A1552VC	RS12105	WP 000788426.1	SATANQLENIDFRVNKEKA AAVLIVELASPSAVVDVQKVQEGLSIELLKTDTVADDKLYLLDVKDFS TPVESVEVFRKEPST	112
NTDB id 1408	DSB67	RS13980	WP 010643500.1	EVQSNLSKSIDFRNTKDKDAVIVVELVSPAIVD IKRVQEGLSIDLNTSVKDDQLYLLDVKDFS TVVESVEVFRDSTST	113
NTDB id 1009	ACIAD	RS15175	WP 004923730.1	PAPQGGIGNIGFQRGAQGEGLVVIDLQGNTPVDVQQGSKVVRFPGIKIPTHLARRLNTDFATPVASIDSYNDGSGN	218
NTDB id 1039	HON27	RS01460	WP 031993779.1	.AQPQGVSNIGFQRGSQGEGLVVDLLGSNTPVDVQQGSKVVRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 1052	ABD1	RS15850	WP 001017033.1	.AQPQGVSNIGFQRGSQGEGLVVDLLGSNTPVDVQQGSKVVRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 321376	D8767	RS02390	WP 016712494.1		0
NTDB id 1193	PAKAF	RS26665	WP 003161249.1	VPAGRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQQGKKIRLDFAKTQLPDA LRVRDLVKDFA TPVQFVNASAQSDRT	236
consensus				* * * * *	

logo

```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 321376 D8767 RS02390 WP 016712494.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

```

Position	Sequence	Score
297	RMTILSKG	305
298	YGHFVYQV	305
299	QKQFMDV	191
300	FLTAEEIR	191
301	QAKLKKQV	192
302	FTGKRIS	297
303	LNFGNIS	296
304	ISIRAVL	296
305	QLQLAD	60
306	FTGGIN	316
307	NVVSDK	
308	QVQVQ	
309	QLVVTVD	
310	GEFQHDY	
311	TLTKGKY	
312	LEVVISK	
313	LKADEK	
314	PKPKSV	
315	LEKEGK	
316	LISINF	
317	QDIPVR	
318	NVLQLI	
319	ADYNG	
320	FNLVVS	
321	DSVVG	
322	QLVVTVD	
323	GEFQHDY	
324	TLTKGKY	
325	LEVVISK	
326	LKADEK	
327	PKPKSV	
328	LEKEGK	
329	LISINF	
330	QDIPVR	
331	NVLQLI	
332	ADYNG	
333	FNLVVS	
334	DSVVG	
335	RLVAYIDE	
336	DYSHDYL	
337	TGRYLEV	
338	KVGKLA	
339	NEKAPD	
340	KSILDKE	
341	GKGLIS	
342	INFQDI	
343	PVRNVL	
344	QLQLAD	
345	FTGGIN	
346	NVVSDK	
347	QVQVQ	
348	VISITQST	
349	GSYEYMA	
350	QQAENKL	
351	TLISLRP	
352	QPDNV	
353	RLNSKN	
354	NNQNTY	
355	TGKKIS	
356	LDLFDQ	
357	DIIEVRR	
358	NVLQLI	
359	ADFTGIN	
360	NVAADSV	
361	QVQVQ	
362	VITIQQSS	
363	GSYEYMA	
364	QQAENKL	
365	TLISLRP	
366	QPDNV	
367	VTSLYKT	
368	PNYSGN	
369	KLSLDF	
370	QDIIEVRR	
371	NVLQLI	
372	ADFTGIN	
373	NVAADSV	
374	QVQVQ	
375	VITIQQSS	
376	GSYEYMA	
377	QQAENKL	
378	TLISLRP	
379	QPDNV	
380	VTSLYKT	
381	PNYSGN	
382	KLSLDF	
383	QDIIEVRR	
384	NVLQLI	
385	ADFTGIN	
386	NVAADSV	
387	QVQVQ	
388	SITIEPS	
389	GLDYDLV	
390	YQTDNR	
391	LTVSIKP	
392	MTTDEA	
393	ERRKDN	
394	FAITGE	
395	KLNLNF	
396	QDIDVRS	
397	NVLQLI	
398	ADFTGIN	
399	NVAADSV	
400	QVQVQ	

logo

```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 321376 D8767 RS02390 WP 016712494.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

```

<i>NITRLKDVPIIDQALDIIILKTGKDKRRNGNVLIAPKAEELDKRFEQELKAAQOSEKLPISRSEYQINLYAKADIAALL</i> <i>DGLRNGIQVILVLRQNKRIKLRPMLWDTAEGMILKKEAAEFSESTGSEYEDPKRDIKPKFIKLSLQML</i>	<i>DITLRINDIPWDQALDIIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLI</i> <i>DITLRINDIPWDQALDIIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLI</i> <i>NITLRLDGVPWQQVLDIILTVQGLDKRVDGNVILIAPKEELDRLKQALEKARLAEELCDLKSEIIKINFAKASDIAAMI</i> <i>NITLRLDGVPWQQVLDIILQVKGDLKRVDGNVILIAPKEELDRLKQALEKARLAEELCDLKSEIIKINFAKASDIAAMI</i> <i>NITLRLDGVPWQQVLDIILQVKGDLKRVDGNVILVAPKDDELDRLEKQLEKQKLEKEIGELSSSEIIKVNFAKASDIAEMI</i> <i>NITLHLKDVDPWDQALDIIILKTKNLDKRRNGNVIWIAPVSELIKSEDEAKAIAQSTKLAPLQTEYILKYAKAADIEKLI</i> <i>NITLRKDVDPWDQALDIIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLI</i> <i>NITLRLKDVDPWDQALDIIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLI</i> <i>NITLRLQDVDPWDQALDLVLRSGKLARRQEGNVLLVAPAAFAAAQPFDAPLGLEPNAQVQPLRRELIPTHHAKAAEIVDLI</i> <i>NITLRLQNVDPWDQALDLVLTGKGLDKRKLGNVLLVAPADEIIAARERQELEAQKQIAELAPLRRELIQVINYAKAADIAKLF</i>	385 385 271 271 272 377 376 376 140 396
--	---	--

logo

```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 321376 D8767 RS02390 WP 016712494.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

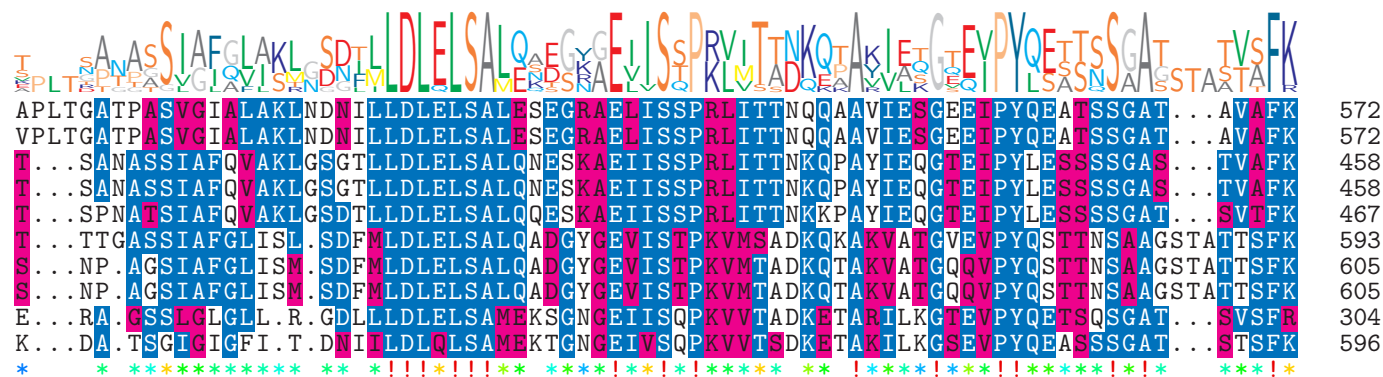
```

[illegible]

```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 321376 D8767 RS02390 WP 016712494.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

```



```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 321376 D8767 RS02390 WP 016712494.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
consensus

```



logo



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