

logo

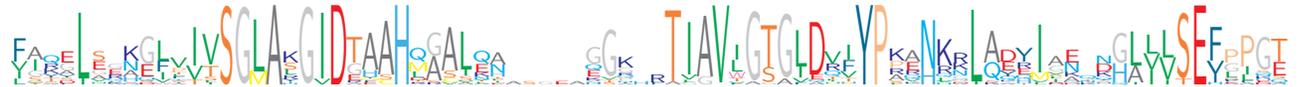
NTDB id 1037 TT RS09535 WP 011174226.1	.....MDP[A]A[L]L[L]P[G]P[K R]I[L]E[V]I[K A]E[D].....P[G].....F.....L[R E]R[F F]P[A]W[R H]L.....P[E A]	44
NTDB id 1314 DR RS00625 WP 010886768.1	M[T]L[P S]P[A A]A[H A]E[L]L[A L]L[T]R[F T]P[G]L[P R]R[I E]N[L]R[R H]F[G S]A[E]A[A L]A[A P]T.....E.....L[R R]E[V L]D[S R]S[V A]A[I G]G[A K]A	70
NTDB id 599 KW2 RS05940 WP 021037268.1	.....M[I T]N[F D]L[F R]W[K K]A.....G[M]N[L G]V[N K]L[L K]F[F R]K[Y D]R[K].....I[S L]R[Q M]G[Q]V[A Q]V[K S]I[P N]F[L E]Q[W K]N[Q D]V[K K]L[R A]	65
NTDB id 407 SMU RS04605 WP 002262865.1	.....M[D N]F[Q L]F[L K]L[K K]A.....G[T]N[L M]I[N]I[D Y]E[E R]T[Q K]S.....L[S L]R[D M]A[V]S[K N]K[K L]I[F M]E[H Y]K[N L]D[S K]A[L R]K.	64
NTDB id 525 SMSK321 RS06295 WP 000705298.1	.....M[K I]T[N Y]E[I Y]K[L K]K[S]...G[L]T[N Q]Q[L K]V[L E]Y[G E]N[V D]Q[E]...L[L L]G[D I]A[D]S[G C]R[N P]A[V F]M[E R]Y[F Q]I[D D]A[H L]E[K .	66
NTDB id 267 KZH43 RS05590 WP 000705306.1	.....M[K I]T[N Y]E[I Y]K[L K]K[S]...G[L]T[N Q]Q[L K]V[L E]Y[G E]N[V D]Q[E]...L[L L]G[D I]A[D]S[G C]R[N P]A[V F]M[E R]Y[F Q]I[D D]A[H L]S[K .	66
NTDB id 226 SPD RS05990 WP 000705306.1	.....M[K I]T[N Y]E[I Y]K[L K]K[S]...G[L]T[N Q]Q[L K]V[L E]Y[G E]N[V D]Q[E]...L[L L]G[D I]A[D]S[G C]R[N P]A[V F]M[E R]Y[F Q]I[D D]A[H L]S[K .	66
NTDB id 192 SPR RS05715 WP 000705306.1	.....M[K I]T[N Y]E[I Y]K[L K]K[S]...G[L]T[N Q]Q[L K]V[L E]Y[G E]N[V D]Q[E]...L[L L]G[D I]A[D]S[G C]R[N P]A[V F]M[E R]Y[F Q]I[D D]A[H L]S[K .	66
NTDB id 157 SP RS06205 WP 000705306.1	.....M[K I]T[N Y]E[I Y]K[L K]K[S]...G[L]T[N Q]Q[L K]V[L E]Y[G E]N[V D]Q[E]...L[L L]G[D I]A[D]S[G C]R[N P]A[V F]M[E R]Y[F Q]I[D D]A[H L]S[K .	66
NTDB id 497 SM12261 RS05565 WP 000705318.1	.....M[K I]T[N Y]E[I Y]K[L K]K[S]...G[L]T[N Q]Q[L A]V[L E]Y[G E]N[V D]Q[E]...L[L L]G[D I]A[E]S[G C]R[N P]A[V F]M[E R]Y[F Q]I[D D]A[H L]E[K .	66
NTDB id 1021 ACIAD RS00975 WP 004930462.1	...M[I T]I[L S]S[H H]Y[H T]I[K V]W[Y V]L[Q H]S[L S]G[F K]K[L I]H[Y F]G[D C]E[T A]L...Q[P Q]R[L S]D[W Q]K[L G]L[H A]N[H L]K[R L]E[E V]H[T L]Q[G Q]Q.	71
NTDB id 1073 ABD1 RS00865 WP 015451369.1	...M[L T]Q[L S]S[H H]Y[H T]I[K V]W[Y L]V[Q H]S[L V]S[F K]K[I I]D[Y F]G[N C]E[K A]T...Q[P D]G[L A]K[W S]S[L G]L[H A]N[H L]K[R V]N[E F]Q[T T]Q[G Q]A.	71
NTDB id 1043 HON27 RS16615 WP 168727007.1	...M[L T]Q[L S]S[H H]Y[H T]I[K V]W[Y L]V[Q H]S[L V]S[F K]K[I I]D[Y F]G[N C]E[K A]T...Q[P D]G[L A]K[W S]S[L G]L[H A]N[H L]K[R V]N[E F]Q[T P]Q[G Q]A.	71
NTDB id 1094 KZH42 RS01320 WP 002224767.1	.....M[T E]D[E R]F[A W]L[Q L]A[F T]P[Y]I[G A]E[S F]L[L L]M[R R]F[G S]A[Q N]...A[L S]A[P A]E[Q]V[A A]L[I R]H[K Q]A[L E]A[W R]N[A E]K[R A]L[A R].	67
NTDB id 1089 NMB RS00600 WP 002224767.1	.....M[T E]D[E R]F[A W]L[Q L]A[F T]P[Y]I[G A]E[S F]L[L L]M[R R]F[G S]A[Q N]...A[L S]A[P A]E[Q]V[A A]L[I R]H[K Q]A[L E]A[W R]N[A E]K[R A]L[A R].	67
NTDB id 1122 OK783 RS09595 WP 003705341.1	.....M[T E]D[E R]F[A W]L[Q L]A[F T]P[Y]I[G A]E[S F]L[L L]M[R S]F[G S]A[Q N]...A[L S]A[P A]E[Q]V[A P]A[V R]H[K H]A[L E]A[W R]N[A E]K[R A]L[A R].	67
NTDB id 1120 NGFG RS10355 WP 020997408.1	.....M[T E]D[E R]F[A W]L[Q L]A[F T]P[Y]I[G A]E[S F]L[L L]M[R S]F[G S]A[Q N]...A[L S]A[P A]E[Q]V[A P]A[V R]H[K H]A[L E]A[W R]N[A E]K[R A]L[A R].	67
NTDB id 114 BSU 16110 NP 389493.1	.....M[D Q]A[A V]C[L T]I[C R]I[N Q]L[L S]P[S L]L[L K]W[W K]A[D P]S[M S]L[T S]P[V L]Q[T V]T[R D]Q[I K]A[A A]L.....K[N E]I[E Q]F[Y P].	61
NTDB id 1361 HI 0985 AAC22646.1	.....M[N D]I[T]L[L L]M[L Q]V[P K]I[G G]V[I D]K[I L]S[N I]T[L N]E.....L[L N]Y[D D]V[A F]R[Q M]G[W G]A[I Q]I[R R]W[F P]E[A K].....	61
NTDB id 1388 A4U84 RS04945 WP 062924099.1	.....M[T H]I[T K]L[L L]L[L Q]V[P Q]L[G A]Q[R I]G[R L]S[E V]D[F G]E.....F[C Q]Y[D K]T[A I]K[Q M]G[W N]E[R Q]I[Q R]W[F N]P[H K].....	60
NTDB id 1152 A1552VC RS00200 WP 000654772.1	.....M[K D]Q[D L]A[A W]L[A L]C[F T]P[K L]G[S K]T[S H]L[L A]T[R L]P[A Q].....L[Q S]F[T P]K[Q W]L[A C]G[L K]P[E Q]L[V F]L[T T]Q[A A]K.....	62
NTDB id 1399 DSB67 RS15600 WP 010645755.1	...M[T P]Q[N D]I[D L]A[A W]L[K L]S[C L]P[G I]G[G V]K[M N]K[L L]S[K D]T[P S]N.....I[V Q]Y[S T]E[Q I]Q[L L]G[L T]A[K Q]L[Q A]W.S[Q V]D[K].....	64
NTDB id 1145324 DXE27 RS03285 WP 269459827.1	.....M[N N]I[Q P]L[A L]I[N R]M[K R]I[G P]R[T V]L[K L]Q[K .R]W[P D]L.....N[L M]F...Q[S S]V[D L]E[E A]G[L P]S[W L]A[Q T]I[K N]F[D P].	0
NTDB id 1250 GC085 RS13065 WP 027219989.1	.....M[N N]I[Q P]L[A L]I[N R]M[K R]I[G P]R[T V]L[K L]Q[K .R]W[P D]L.....N[L M]F...Q[S S]V[D L]E[E A]G[L P]S[W L]A[Q T]I[K N]F[D P].	60

logo

NTDB id 1037 TT RS09535 WP 011174226.1	E[A]Q[A E]R[E R]R[R .R]A[E A]L[G V]R[L L]G[L W]E[E G]F[P E]G[L K]A[I P]Q[P P]T[H L]Y[L K]G[E L]P.....P[E R]E[A V]A[V G]I[T R]R[A S]P[W A]L[A F]A[R K]	115
NTDB id 1314 DR RS00625 WP 010886768.1	A[E E]A[R A]E[I N].K[A A]E[R G]V[T L]L[G R]G[L P]G[Y P]A[A E]A[L G]D[P P]A[V L]W[V R]C[A G]G[A E]L[L A]G[L T]V[P H]S[V G]I[V G]I[R A]A[S P]H[A L]L[T R]T	149
NTDB id 599 KW2 RS05940 WP 021037268.1	.D[Y].....K[K F]S[S F]S[I L]D[D L]Y[P E]R[L R]E[I Y]M[P P]V[L I]F[Y Q]G[N D]L[L].....K[N].P[K L]A[F V]G[S R]L[A G]Q[S G]I[K S]V[Q K]	126
NTDB id 407 SMU RS04605 WP 002262865.1	.E[F].....N[R F]P[S L]S[I L]D[K E]Y[P L]E[N I]Y[M P]V[L L]F[Y Q]G[D L]D[L].....A[R].P[K L]A[V V]G[S R]N[A S]Q[M G]V[A A]V[K K]	125
NTDB id 525 SMSK321 RS06295 WP 000705298.1	.E[F].....K[K I]P[S F]S[I L]D[C Y]P[W D]L[S E]Y[D A]P[V L]L[F Y]K[G N]D[L L].....K[F].P[K V]A[V V]G[S R]A[C S]K[Q G]A[K S]V[E K]	127
NTDB id 267 KZH43 RS05590 WP 000705306.1	.E[F].....Q[K F]P[S F]S[I L]D[C Y]P[W D]L[S E]Y[D A]P[V L]L[F Y]K[G N]D[L L].....K[F].P[K V]A[V V]G[S R]A[C S]K[Q G]A[K S]V[E K]	127
NTDB id 226 SPD RS05990 WP 000705306.1	.E[F].....Q[K F]P[S F]S[I L]D[C Y]P[W D]L[S E]Y[D A]P[V L]L[F Y]K[G N]D[L L].....K[F].P[K V]A[V V]G[S R]A[C S]K[Q G]A[K S]V[E K]	127
NTDB id 192 SPR RS05715 WP 000705306.1	.E[F].....Q[K F]P[S F]S[I L]D[C Y]P[W D]L[S E]Y[D A]P[V L]L[F Y]K[G N]D[L L].....K[F].P[K V]A[V V]G[S R]A[C S]K[Q G]A[K S]V[E K]	127
NTDB id 157 SP RS06205 WP 000705306.1	.E[F].....Q[K F]P[S F]S[I L]D[C Y]P[W D]L[S E]Y[D A]P[V L]L[F Y]K[G N]D[L L].....K[F].P[K V]A[V V]G[S R]A[C S]K[Q G]A[K S]V[E K]	127
NTDB id 497 SM12261 RS05565 WP 000705318.1	.E[F].....Q[K F]P[S F]S[I L]D[C Y]P[W D]L[S E]Y[D A]P[V L]L[F Y]K[G N]D[L L].....K[F].P[K V]A[V V]G[S R]A[C S]K[Q G]A[K S]V[E K]	127
NTDB id 1021 ACIAD RS00975 WP 004930462.1	.Q[F].E[K M]I[A Q].L[Q T]H[T D]F[I V]T[P D]P[A Y]P[S Q]L[I P]Y[Q D]R[P P]I[L F]G[Q C]S[I Q]S[L].....I[Q].P[Q I]A[V V]G[S R]K[P S]P[H G]R[Q V]A[Y D]	141
NTDB id 1073 ABD1 RS00865 WP 015451369.1	.Q[F].E[Q L]V[Q Q].V[R Q]H[T D]F[I L]T[P D]D[S G]Y[P T]Q[L L]P[Y T]D[H P]P[I I]F[G K]G[Q A]Q[A L].....L[Q].P[Q I]A[V V]G[S R]K[P S]P[H G]R[Q V]A[Y D]	141
NTDB id 1043 HON27 RS16615 WP 168727007.1	.Q[F].E[Q L]V[Q Q].V[R Q]H[T D]F[I L]T[P D]D[S G]Y[P T]Q[L L]P[Y T]D[H P]P[I I]F[G K]G[Q A]Q[A L].....L[Q].P[Q I]A[V V]G[S R]K[P S]P[H G]R[Q V]A[Y D]	141
NTDB id 1094 KZH42 RS01320 WP 002224767.1	.Q[A A]E[A A]L[E W]E[M R].D[G C]R[L M]L[L Q]D[E D]F[P E]M[L T]Q[G L]T[A P]P[V L]F[L R]G[N V]Q[L L].....H[K].P[S A]A[T V]G[S R]H[A T]P[Q A]M[R I]A[K D]	138
NTDB id 1089 NMB RS00600 WP 002224767.1	.Q[A A]E[A A]L[E W]E[M R].D[G C]R[L M]L[L Q]D[E D]F[P E]M[L T]Q[G L]T[A P]P[V L]F[L R]G[N V]Q[L L].....H[K].P[S A]A[T V]G[S R]H[A T]P[Q A]M[R I]A[K D]	138
NTDB id 1122 OK783 RS09595 WP 003705341.1	.Q[A A]E[A A]L[E W]E[M R].D[G C]R[L M]L[L Q]D[E D]F[P E]M[L T]Q[G L]T[A P]P[V L]F[L R]G[N V]R[L L].....H[K].P[S A]A[T V]G[S R]H[A T]P[Q A]M[R I]A[K D]	138
NTDB id 1120 NGFG RS10355 WP 020997408.1	.Q[A A]E[A A]L[E W]E[M R].D[G C]R[L M]L[L Q]D[E D]F[P E]M[L T]Q[G L]T[A P]P[V L]F[L R]G[N V]R[L L].....H[K].P[S A]A[T V]G[S R]H[A T]P[Q A]M[R I]A[K D]	138
NTDB id 114 BSU 16110 NP 389493.1	.K[L P]R[V L]A[A].Y[R E]Q[G I]N[T I]P[I S]S[K Q]Y[P F]W[L K]S[I Y]D[P P]A[V L]F[A K]G[D M]T[L L].....S[K G]R[K I]C[I V]G[I R]N[P I]A[Y G]K[Q V]V[N H]	132
NTDB id 1361 HI 0985 AAC22646.1	..F[I E]P[A L]V[W S]Q[K .E]G[N H]L[V N]Y[F S]P[F Y]P[F L]L[K Q]T[A S]F[P P]L[F V]K[G N]T[A L].....S[Q].R[Q M]A[V V]G[S R]Y[C T]Y[G E]Y[W A]H	131
NTDB id 1388 A4U84 RS04945 WP 062924099.1	..W[I D]Q[A L]Q[W A]E[Q .D]Q[Q I]L[T L]F[D E]Y[P F]L[L K]E[I S]T[A P]P[V L]F[V R]G[N V]E[S L].....S[L].P[Q I]A[V V]G[S R]D[Y S]H[Y C]E[H W]A[G H]	130
NTDB id 1152 A1552VC RS00200 WP 000654772.1	..Q[A E]Q[L Q]W[R S]A[A N]N[R Y]I[V T]P[H C]P[L Y]P[R L]L[K E]I[N S]S[P P]V[L F]E[G I]W[E A]V.....H[D].P[A V]A[T V]G[S R]N[A S]V[D G]R[I A]R[Q]	133
NTDB id 1399 DSB67 RS15600 WP 010645755.1	..E[V D]A[C L]T[W V]A[A S]S[H H]H[I L]T[A D]A[L Y]P[P L]L[K Q]T[V A]P[P P]L[F V]K[G E]A[S C]L.....P[Q].P[Q I]A[V V]G[S R]N[A S]V[D G]L[Q H]T[R T]	135
NTDB id 1145324 DXE27 RS03285 WP 269459827.1	.....M[Q T]I[K P]S[D P]I[V K]I[A R]G[T K]Y[P A]R[L N]D[L H]D[P S]N[L I]K[G D]V[H L]L.....R[Q].P[M I]A[V V]G[S R]N[A S]A[E G]L[Q N]S[S V]	66
NTDB id 1250 GC085 RS13065 WP 027219989.1	.D[E]I[K T	

logo

NTDB id 1037 TT RS09535 WP 011174226.1
 NTDB id 1314 DR RS00625 WP 010886768.1
 NTDB id 599 KW2 RS05940 WP 021037268.1
 NTDB id 407 SMU RS04605 WP 002262865.1
 NTDB id 525 SMSK321 RS06295 WP 000705298.1
 NTDB id 267 KZH43 RS05590 WP 000705306.1
 NTDB id 226 SPD RS05990 WP 000705306.1
 NTDB id 192 SPR RS05715 WP 000705306.1
 NTDB id 157 SP RS06205 WP 000705306.1
 NTDB id 497 SM12261 RS05565 WP 000705318.1
 NTDB id 1021 ACIAD RS00975 WP 004930462.1
 NTDB id 1073 ABD1 RS00865 WP 015451369.1
 NTDB id 1043 HON27 RS16615 WP 168727007.1
 NTDB id 1094 KZH42 RS01320 WP 002224767.1
 NTDB id 1089 NMB RS00600 WP 002224767.1
 NTDB id 1122 OK783 RS09595 WP 003705341.1
 NTDB id 1120 NGFG RS10355 WP 020997408.1
 NTDB id 114 BSU 16110 NP 389493.1
 NTDB id 1361 HI 0985 AAC22646.1
 NTDB id 1388 A4U84 RS04945 WP 062924099.1
 NTDB id 1152 A1552VC RS00200 WP 000654772.1
 NTDB id 1399 DSB67 RS15600 WP 010645755.1
 NTDB id 1145324 DXE27 RS03285 WP 269459827.1
 NTDB id 1250 GC085 RS13065 WP 027219989.1



LARELSEAGLWVVSGLARGIDREAHLCAL EA GQR . . . T L C V L G S A L D R V Y P P E N R P L A Q R M D L L S E F P F G T 183
 IAGELAAAAGVLIIVSGLARGVDTAAHTAAL EAASGEASSP . . . T I G V L G S A V D V I Y P R E N H D L A G R M V V V S E Y P L G T 222
 IVTELN.QSFTIVSGLAKGIDTAHLSA IKT K T P . . . T I A V I G T G L D I F Y P L E N R K I Q E Y L A K . Y Q L V L S E Y S L G E 197
 IIQDLS.KQFVITISGLARGIDTAAHLSLKS G A . . . T I A V I G T G L D V H Y P K E N R R L Q D Y I A K . N H L L L S E Y E A G S 196
 IIQGLE.NELIIVSGLAKGIDTAAHMAALQN G G K . . . T I A V I G T G L D V F Y P K A N K R L Q D Y I S N . D H L V L S E Y G P G E 198
 VIQGLE.NELIIVSGLAKGIDTAAHMAALQN G G K . . . T I A V I G T G L D V F Y P K A N K R L Q D Y I G N . D H L V L S E Y G P G E 198
 VIQGLE.NELIIVSGLAKGIDTAAHMAALQN G G K . . . T I A V I G T G L D V F Y P K A N K R L Q D Y I G N . D H L V L S E Y G P G E 198
 VIQGLE.NELIIVSGLAKGIDTAAHMAALQN G G K . . . T I A V I G T G L D V F Y P K A N K R L Q D Y I G N . D H L V L S E Y G P G E 198
 VIQGLE.NELIIVSGLAKGIDTAAHMAALQN G G K . . . T I A V I G T G L D V F Y P K A N K R L Q D Y I G N . D H L V L S E Y G P G E 198
 FSYFLSEKGFYITISGLAHGIDTAHQAASLVH H . . . R A I A V V G T G L D L C Y P S G N K A L K Q H I R D Q G G A I V S E F L P G T 213
 FAYYLSEKGFYITISGLAYGIDEAAHQ CASAH Q . . . R T I A V T G T G L D T T Y P A Q N K K L A E H I L A Q N G A I T E F L P G T 213
 FAYYLSEKGFYITISGLAYGIDEAAHQ GASTH Q . . . R T I A V T G T G L D T T Y P A Q N K K L A E H I L A K N G A I T E F L P G T 213
 FGKSLGGKGIPTVSCMASGIDTAAHQCALQA E G G . . . T I A V W G T G I D R I Y P P V N K N L A Y E I A E . K G L I V S E F P I G T 210
 FGKSLGGKGIPTVSCMASGIDTAAHQCALQA E G G . . . T I A V W G T G I D R I Y P P V N K N L A Y E I A E . K G L I V S E F P I G T 210
 FGRALGGKGIPTVSCMASGIDTAAHQCALQA E G G . . . T I A V W G T G I D R I Y P P A N K N L A Y E I A E . K G L I V S E F P I G T 210
 FGRALGGKGIPTVSCMASGIDTAAHQCALQA E G G . . . T I A V W G T G I D R I Y P P A N K N L A Y E I A E . K G L I V S E F P I G T 210
 LTKEICRKGWVIVSGLASGIDGMSHAASTKA K G R . . . T I G V I A G G F Q H I Y P R E N L Q L A D H M A K . H H L L L S E H P P E T 204
 FATELSLAGFTITISGLALGIDGHCHQAVVNI Q G Q . . . T I A V L G S G L E Q I Y P S K H Q R L S A Q I I E N N G A L V S E F L P N Q 204
 FSAELVKHQIIVTISGLAIGIDGFCHQRAANE N C I . . . T I A V L C S G L D Q Y P A R H K K L A E Q I V E T S G A L V S E F F P S Q 203
 FATELAQSGLVVTSGLALGIDGYAHDGALQA Q G Q . . . T V A V L G S G L A Q V Y P K Q H Q G L A E R I A . Q G A L V S E F A P H T 205
 FASDLVQHDLIIVTISGLALGIDGHAHDGALLA G G K . . . T I A V L C S G L E Q Y P A R H K K L A Q R V A E . N G A L V S E F R P D A 207
 LAKALARAGLLIISGMACKVDGAHRACTEL G V N H F T G A V F G T G V D V I Y P R E H V G L A K T I S Q . Q G L L L S E F P P G T 140
 FSRELSRHGVSIIVSGLALGIDAHALHGLLEG G G K . . . T I A V L G T G I D C I Y P R R H L K L A E Q I T E . N G L L L S E F P L K S 204

logo

NTDB id 1037 TT RS09535 WP 011174226.1
 NTDB id 1314 DR RS00625 WP 010886768.1
 NTDB id 599 KW2 RS05940 WP 021037268.1
 NTDB id 407 SMU RS04605 WP 002262865.1
 NTDB id 525 SMSK321 RS06295 WP 000705298.1
 NTDB id 267 KZH43 RS05590 WP 000705306.1
 NTDB id 226 SPD RS05990 WP 000705306.1
 NTDB id 192 SPR RS05715 WP 000705306.1
 NTDB id 157 SP RS06205 WP 000705306.1
 NTDB id 497 SM12261 RS05565 WP 000705318.1
 NTDB id 1021 ACIAD RS00975 WP 004930462.1
 NTDB id 1073 ABD1 RS00865 WP 015451369.1
 NTDB id 1043 HON27 RS16615 WP 168727007.1
 NTDB id 1094 KZH42 RS01320 WP 002224767.1
 NTDB id 1089 NMB RS00600 WP 002224767.1
 NTDB id 1122 OK783 RS09595 WP 003705341.1
 NTDB id 1120 NGFG RS10355 WP 020997408.1
 NTDB id 114 BSU 16110 NP 389493.1
 NTDB id 1361 HI 0985 AAC22646.1
 NTDB id 1388 A4U84 RS04945 WP 062924099.1
 NTDB id 1152 A1552VC RS00200 WP 000654772.1
 NTDB id 1399 DSB67 RS15600 WP 010645755.1
 NTDB id 1145324 DXE27 RS03285 WP 269459827.1
 NTDB id 1250 GC085 RS13065 WP 027219989.1



GPKPEFFPRRNRILIAGLCRAVVVEAIPIDSGALITARHALELCKEVLA V PGRPMDERSLIGANRLIQD GAYPVLSAEDVLS 263
 GPAQHHPFRNRVIAALSAGVIVVEGERKSGSLITATHALDCGRTVFVAVPGRAGDPRASGPHALIRDGAVLTESAQDVL 302
 KPLKYHFPERNRIIAGLSRGVVVVEAKLRSGSLITCERALEEGRDIFATPGNIADGTS DGCNHLIQQGAKLVYQAQDILE 277
 QPLKYHFPERNRIIAGLSQVMVVAEAKIRSGSLITCERAMEEGRDVFVPGSILNDGQSEGCHHLIQEGAKLITSGFDILN 276
 QPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFATPGSILDGLSDGCHHLIQEGAKLVTSGQD VLA 278
 PPLQAHFPRNRIVSGLSLGVLVVEATLTKSGSLITANKAAEQKTVFATPGHIYSEFHQ GCHQLIREGATLVLDHPEQIIE 293
 PPLQAHFPRNRIVSGLSLGVLVVEATLTKSGSLITANKAAEQKTVFATPGHIYSEFHQ GCHQLIREGATLVLDHPEQIIE 293
 PPLQAHFPRNRIVSGLSLGVLVVEATLTKSGSLITANKAAEQKTVFATPGHIYSEFHQ GCHQLIREGATLVLDHPEQIIE 293
 RPYAGNFPRNRILIAALSQVTLVVEAALESGLLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILN 290
 RPYAGNFPRNRILIAALSQVTLVVEAALESGLLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILN 290
 RPYAGNFPRNRILIAALSQVTLVVEAALESGLLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILN 290
 RPYAGNFPRNRILIAALSQVTLVVEAALESGLLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILN 290
 KPQKWHFPFRNRILISGLSEGVIVVQCKEKSGLLITAYQALEQGREVFVAVPGSIFDPYAGGPIKLIQQGAKLWSAEDIFE 284
 APITAAHFPRNRILISGLSVGTLVVEATEKSGSLITARYALEQNVREVFVAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILE 284
 PPIAENFPRNRILISGLSGLTVLEATVSGSLITARYALEQGREVFVAVPGNSVQNPYSEGCHKLIKEGALLVENVEDILE 283
 PKADHFPRNRILISGLSGVIVVEAAEKSGSLITARYAAEQGREVFVAVPGSIFNAASQGSNQLIRQGAQLVQSVQQLHQ 285
 KPRAENFPRNRILISGLSLGVLVVEAAEKSGSLITARYALEQGREVFVAVPASTINAPNASGNGQLIQNGACLQVQNTQEVILN 287
 GAQRLHFPRNRILIAALALGVVVEAAEKSGSLILLLRA 179
 PPIAGHFPFLRNRIISGLSLCLTIVTEAATKSGSLITARMALAEQNRDVLATPGSIHNPLARGCHYLIQQGAKLVTSAVDVLD 284

consensus

 non conserved
 similar
 $\geq 50\%$ conserved