

logo

NTDB id 414 AAK55818.1 838..2187()

NTDB id 48707 STND RS05400 WP 011681205.1

NTDB id 375 SMU RS06880 WP 002262929.1

consensus



Sequence logo for position 1. The logo shows the relative frequency of amino acids at this position. The most prominent amino acids are L, I, V, F, Y, E, N, R, D, K, Q, K, V, K, S, L, A, G, N, Y, T, K, L, R, V, Q, N, S, E, L, E, I, N, N, L, D, L, S, E, V, R. The consensus sequence is L I V F Y E N R D K Q K V K S L A G N Y T K L R V Q N S E L E I N N L D L S E V R.

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consensus



Sequence logo for position 2. The logo shows the relative frequency of amino acids at this position. The most prominent amino acids are L, T, H, E, N, L, I, Q, E, K, N, R, L, S, S, V, L, S, Y, M, D, G, V, L, A, T, N, R, R, G, Q, I, T, M, I, N, D, T, A, K, Q, L, N, L, Y, R, E, A, L, R, S, I, L, D, I, L, D, E, N, S, Y, T, Y, S, D, I, T, K, T, P, E, I, Y, L, T, R, R, D, I, E. The consensus sequence is L T H E N L I Q E K N R L S S V L S Y M D G V L A T N R R G Q I T M I N D T A K Q L N L Y R E A L R S I L D I L D E N S Y T Y S D I T K T P E I Y L T R R D I E.

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consensus



Sequence logo for position 3. The logo shows the relative frequency of amino acids at this position. The most prominent amino acids are N, D, E, F, Y, T, L, R, V, R, F, A, L, R, R, E, S, G, F, I, S, G, L, Y, A, V, L, H, D, A, T, E, Q, E, K, E, E, R, E, R, R, L, F, V, S, N, V, S, H, E, L, R, T, P, L, T, S, V, K, S, Y, L, E, A, L, D, D, G, A, L, E, Y, A, P, F, I, K, V, S, L, D. The consensus sequence is N D E F Y T L R V R F A L R R E S G F I S G L Y A V L H D A T E Q E K E E R E R R L F V S N V S H E L R T P L T S V K S Y L E A L D D G A L E Y A P F I K V S L D.

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consensus



Sequence logo for position 4. The logo shows the relative frequency of amino acids at this position. The most prominent amino acids are E, T, N, R, M, R, M, I, T, D, L, L, S, L, S, R, I, D, N, Q, T, S, H, L, D, V, E, L, T, N, F, T, A, F, M, Y, I, L, N, R, F, D, K, M, K, G, Q, E, K, E, K, Y, E, L, R, D, Y, P, V, N, S, I, W, E, I, D, T, D, K, M, T, Q, V, I, D, N, I, L. The consensus sequence is E T N R M R M I T D L L S L S R I D N Q T S H L D V E L T N F T A F M Y I L N R F D K M K G Q E K E K Y E L R D Y P V N S I W E I D T D K M T Q V I D N I L.

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consensus



Sequence logo for position 5. The logo shows the relative frequency of amino acids at this position. The most prominent amino acids are N, N, A, I, K, Y, S, P, D, G, G, K, I, T, V, R, M, K, T, T, E, D, Q, M, I, L, S, I, S, D, H, G, L, G, I, P, K, Q, D, L, P, R, I, F, D, R, F, Y, R, V, D, K, A, R, S, R, A, Q, G, G, T, G, L, G, L, S, I, A, K, E, I, V, K, Q, H, K, G, F, I, W, A, K, S, E, Y. The consensus sequence is N N A I K Y S P D G G K I T V R M K T T E D Q M I L S I S D H G L G I P K Q D L P R I F D R F Y R V D K A R S R A Q G G T G L G L S I A K E I V K Q H K G F I W A K S E Y.

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Sequence logo for position 6. The logo shows the relative frequency of amino acids at this position. The most prominent amino acids are G, K, G, S, T, F, T, I, V, L, P, Y, D, K, A, V, K, E, V, W, E, D, E, V, E, D, S. The consensus sequence is G K G S T F T I V L P Y D K A V K E V W E D E V E D S.

449

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450

 non conserved
 similar
 $\geq 50\%$ conserved