

Heatmap showing stability scores for 43 amino acids (K1, R2, M3, H4, V5, N6, G7, V8, E9, Y10, H11, F12, D13, N14, P15, E16, E17, A18, Q19, K20, F21, A22, E23, K24, M25, A26, K27, Q28, Y29, Q30, L31, K32, I33, E34, Y35, H36, G37, D38, T39, I40, K41, I42, E43) across 20 protein families (P, F, Y, W, I, V, L, M, G, A, S, T, K, R, H, D, N, E, Q). The color scale represents the stability score, ranging from -0.5 (blue) to 2.5 (red). Specific cells are labeled with their stability scores: K1 (1.1), M3 (1.7), V5 (1.0), F12 (1.2), A18 (1.4), Y29 (1.3), and V8 (1.0).

