**Comprehensive Analysis: Protein Variant ΔYield vs ΔG***

ΔYield vs ΔG*
Pearson r = -0.436 (R² = 0.190), p = 0.0548

Legend: Normal points, Potential outliers, Linear fit

Scatter plot labels: F93A, I16A, N14A, S97A, L9A, M89A, D100A, W96A, V99A, K22A, K101A, A92E, R10A, L18A, N19A, E7A, E104A, N88A, S95A, A11L

Residuals vs ΔYield (±1 SD)

Distribution of Residuals
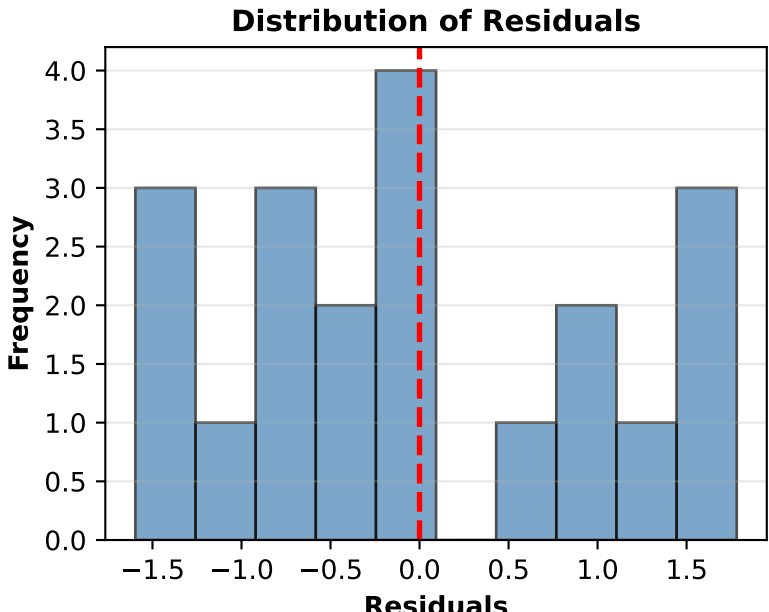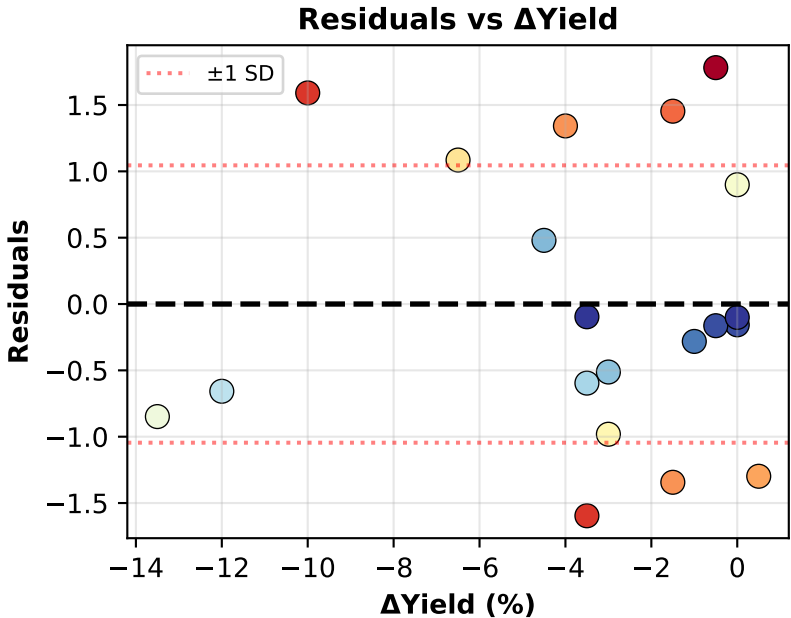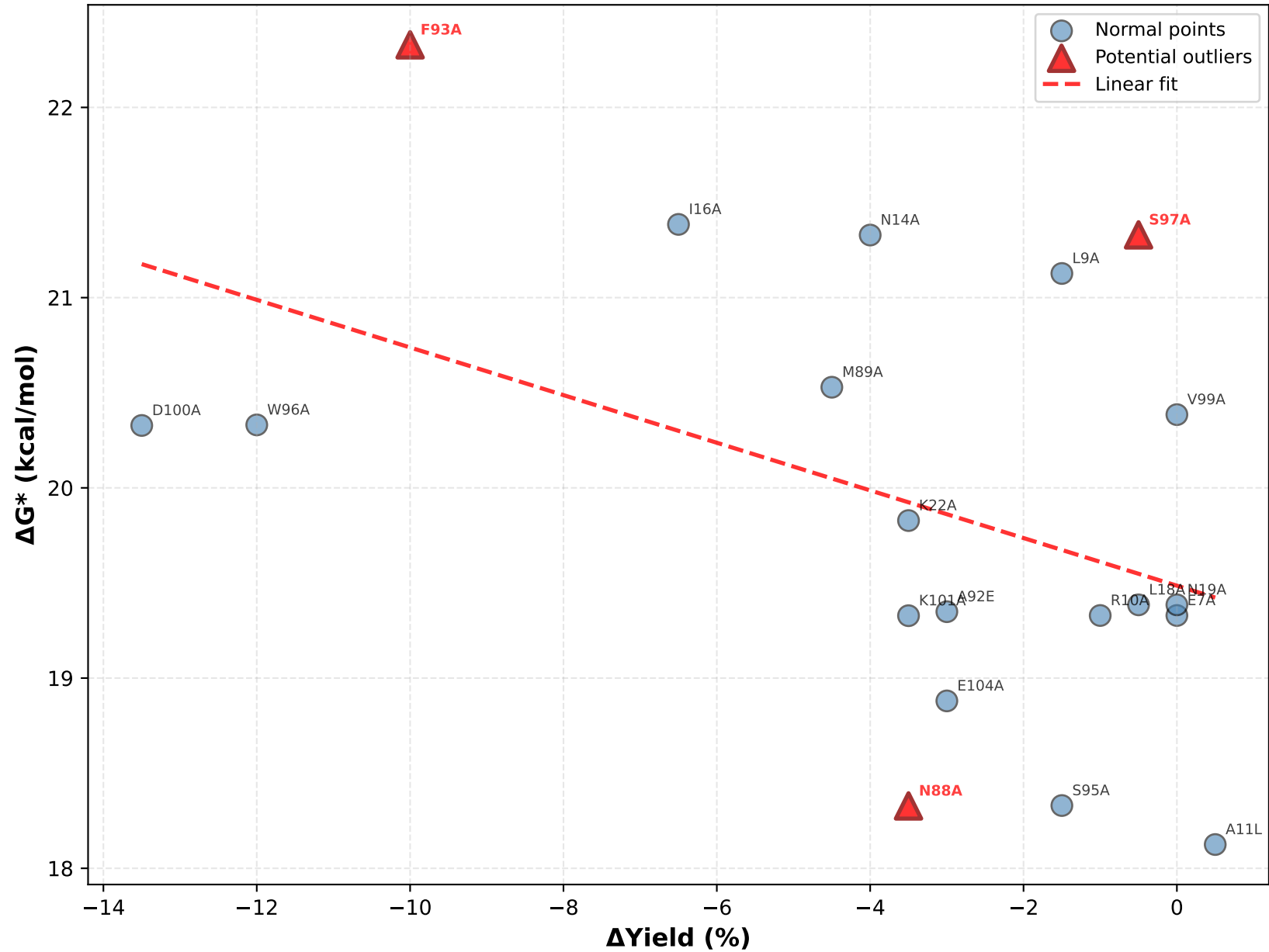
Distribution of ΔYield (Mean)
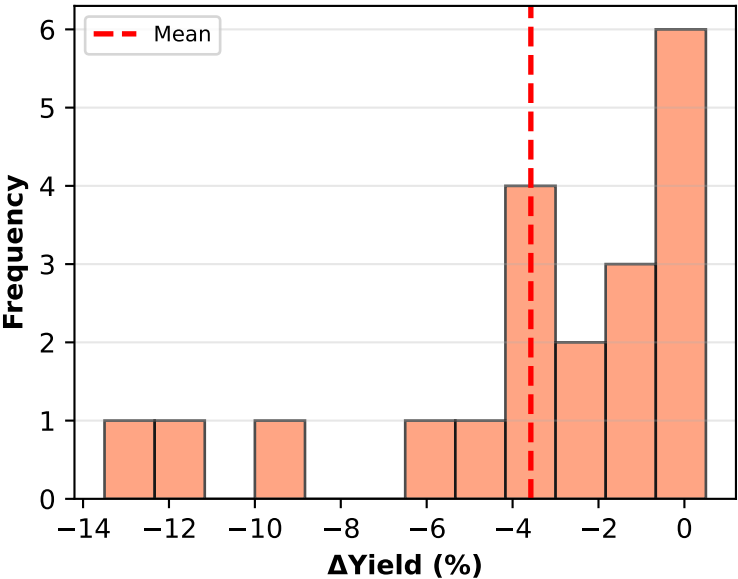
Distribution of ΔG* (Mean)
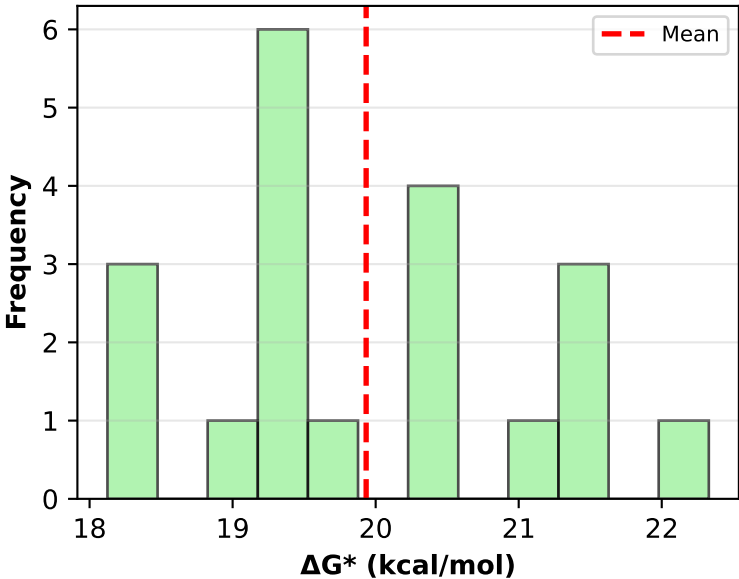
Metric	Value
N variants	20
Pearson r	-0.4357
R²	0.1898
P-value	0.054829
Spearman ρ	-0.4069
Spearman p	0.075010
RMSE	1.019
Outliers	3