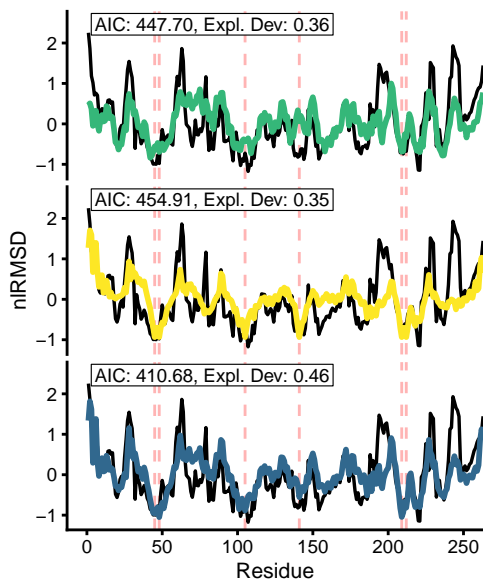


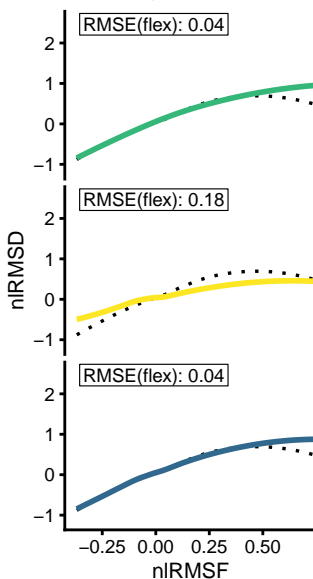
Observed vs. predicted structural divergence patterns

Example family: M-CSA ID = 2

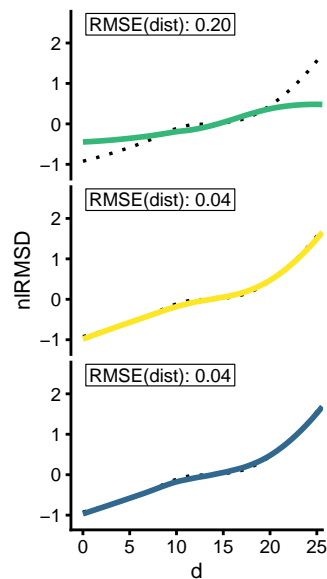
(a) Profiles



(b) Flexibility trends



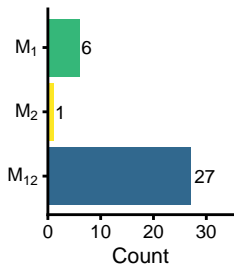
(c) Distance trends



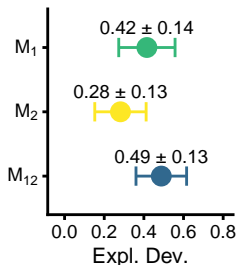
— Obs. — M_1 — M_2 — M_{12} - - Active site

Aggregate results across all families

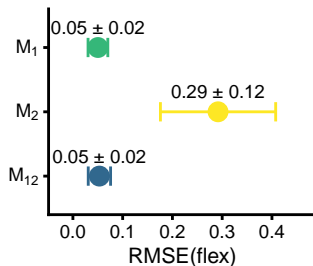
(d) Best model



(e) Profile fit



(f) Flexibility fit



(g) Distance fit

