Comparing mean bond angles distances of codons compared to itself vs. synonyms

Figure panels: HELIX, OTHER, SHEET, TURN

HELIX: $R = 0.77$, $p = 0.00028$

OTHER: $R = 0.85$, $p < 2.2e{-}16$

SHEET: $R = 0.83$, $p = 6.6e{-}06$

TURN: $R = 0.77$, $p = 0.00029$

Y-axis: Mean DDist, Different Synonyms, Same Amino Acid

X-axis: Mean DDist, Codon vs. Itself, Same Amino Acid