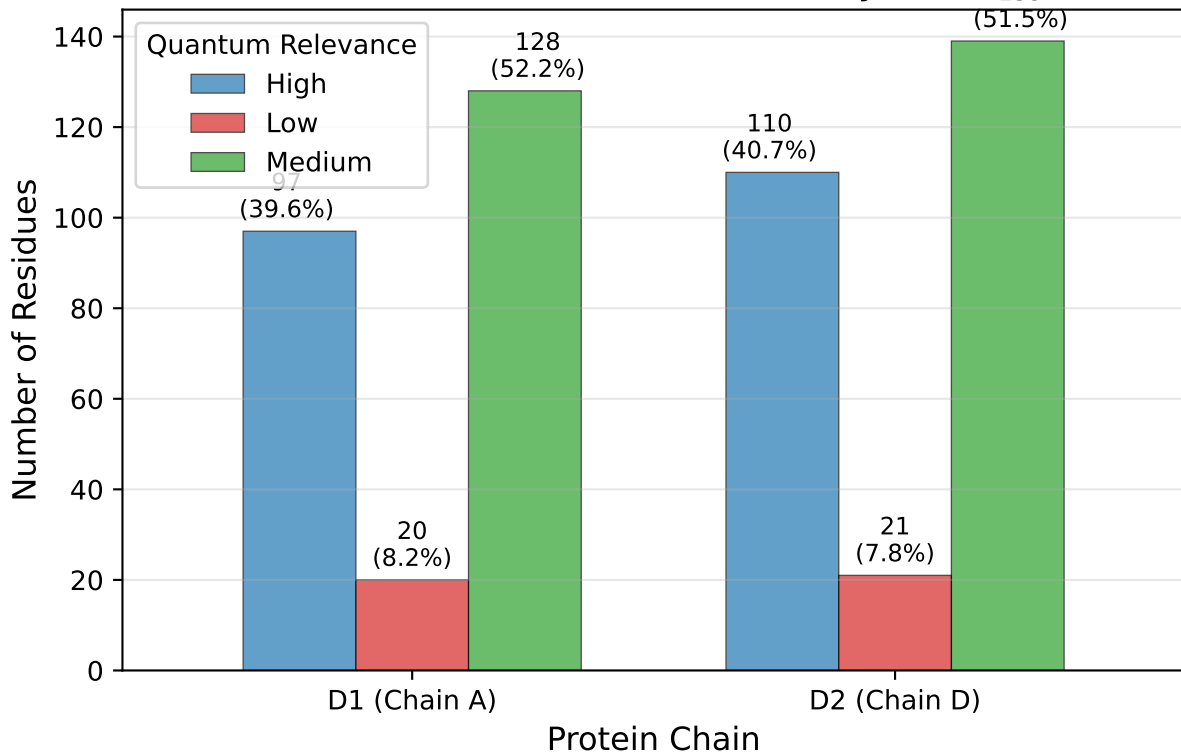


# Distribution of Quantum Relevance by Protein Chain



D1 has a significantly higher proportion of high quantum relevance residues (39.6%) compared to D2 (40.7%), consistent with D1's primary role in electron transfer.