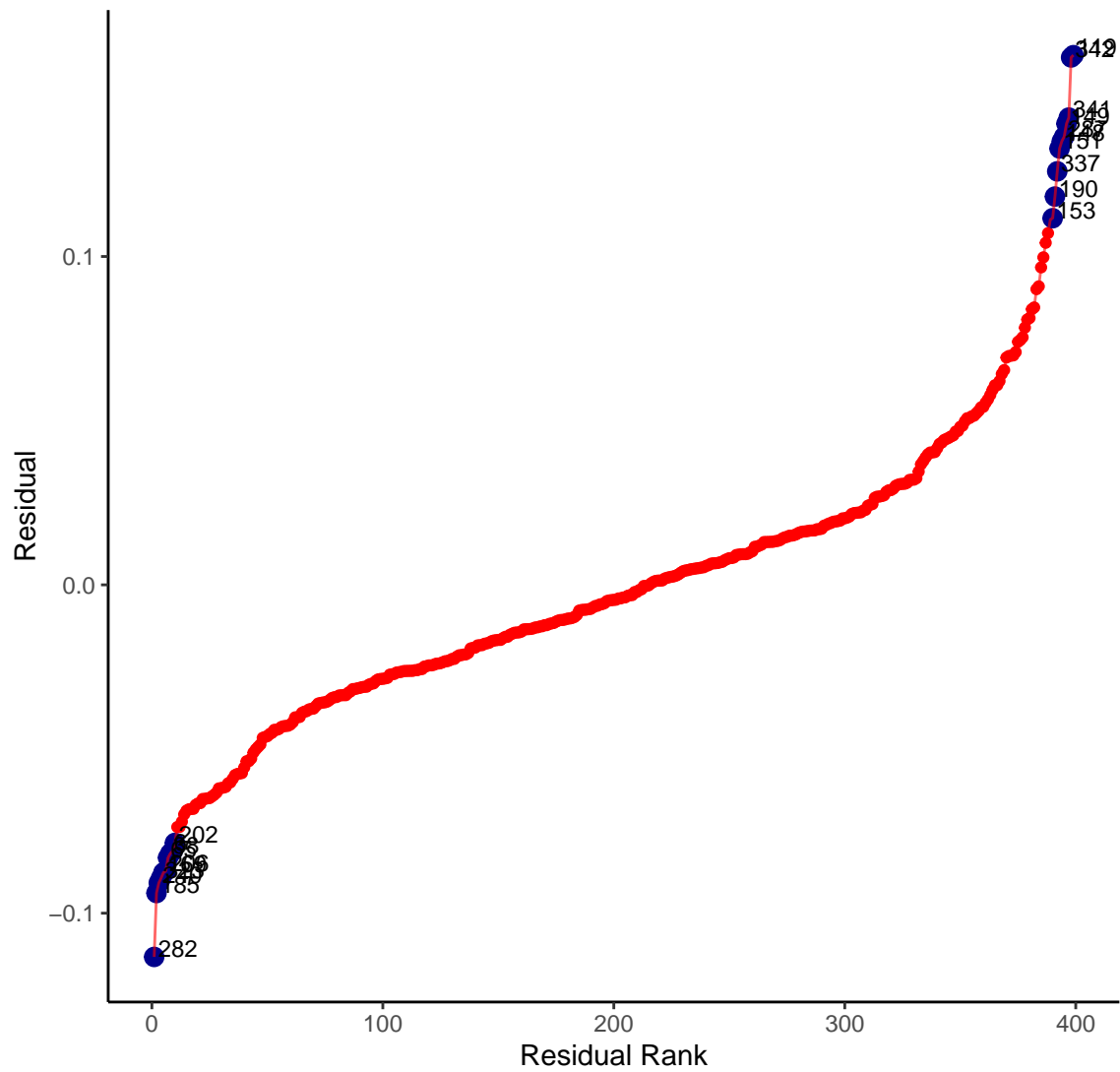


Red lines: synonymous mean (solid) and  $\pm$  SD (dashed); Blue points: extreme residuals



Scatter plot showing the relationship between Residual Rank (X-axis) and Residual (Y-axis). The plot displays a dense cloud of red points, with a prominent blue curve representing the sorted residuals. The Y-axis ranges from -0.1 to 0.1, and the X-axis ranges from 0 to 400. The blue curve starts at a low residual value (around -0.1) for low ranks and increases sharply towards a high residual value (around 0.1) for high ranks. Several points are highlighted with blue dots and labeled with their corresponding Residual Rank values: 282, 185, 196, 202, 153, 190, 337, 151, 249, 341, and 342.