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(54) Title: SINGLE-MOLECULE PROTEIN AND PEPTIDE SEQUENCING

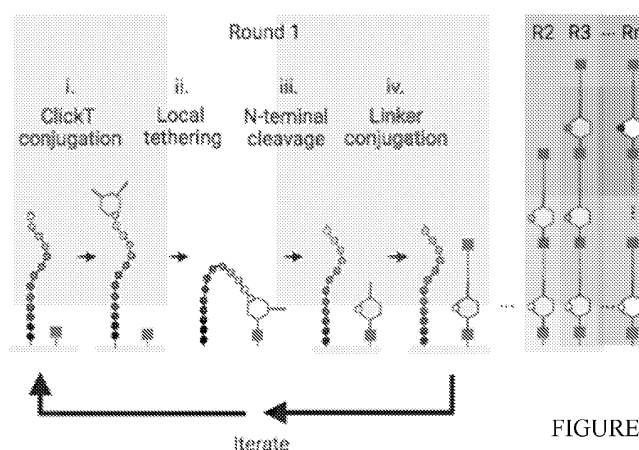


FIGURE 1

(57) Abstract: The present description provides methods, assays and reagents for linearly expanding a peptide. The methods and/or linear expanded peptide described herein have several uses such as, but not limited to, peptide (protein) sequencing, high-resolution interrogation of the proteome and enabling ultrasensitive diagnostics critical for early detection of diseases.