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(54) Title: METHODS AND COMPOSITIONS FOR HIGH-THROUGHPUT PROTEIN DELIVERY, SCREENING, AND DETECTION

(57) Abstract: Methods and systems for delivery using one or more delivery particles (*e.g.*, virions (*e.g.*, AAV), lipid-based delivery particles, etc.) of one or more cargos (*e.g.*, cargo polypeptides) and subsequent quantification of an abundance of one or more cargos (*e.g.*, proteins) in a mixture (*e.g.*, a complex mixture (*e.g.*, in vivo)) using barcodes (*e.g.*, peptide barcodes), binders (*e.g.*, polypeptide binders), and binding agents (*e.g.*, phage) are provided herein.

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