Description of Additional Supplementary Files:

Supplementary Data 1: Spearman correlations between peptides measured in more than one nanoparticle fraction; limited to doubly-charged precursor ions and peptides detected in > 20% of the samples

Supplementary Data 2: List of all detected variant-peptides (2,341 detections, often on multiple nano particles and with varying precursor charges, for a total of 492 unique peptides)

Supplementary Data 3: List of significant lead variant to variant-peptide associations (N = 184)

Supplementary Data 4: Spearman correlations between protein levels derived using the reference and the PAV-exclusive. libraries; associations with non-genetic determinants (age, sex, diabetes state, BMI, genotype principal components 1-3)