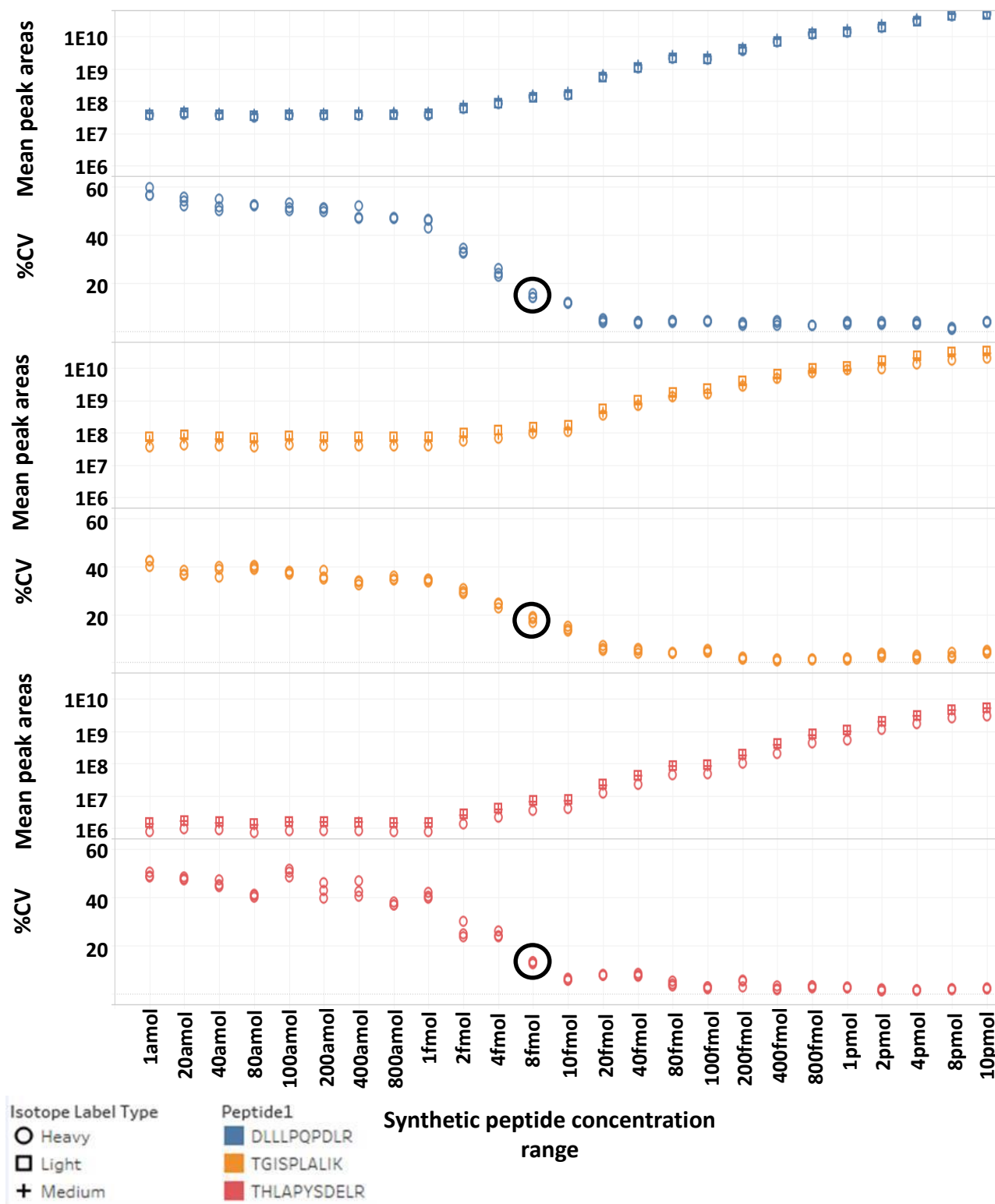


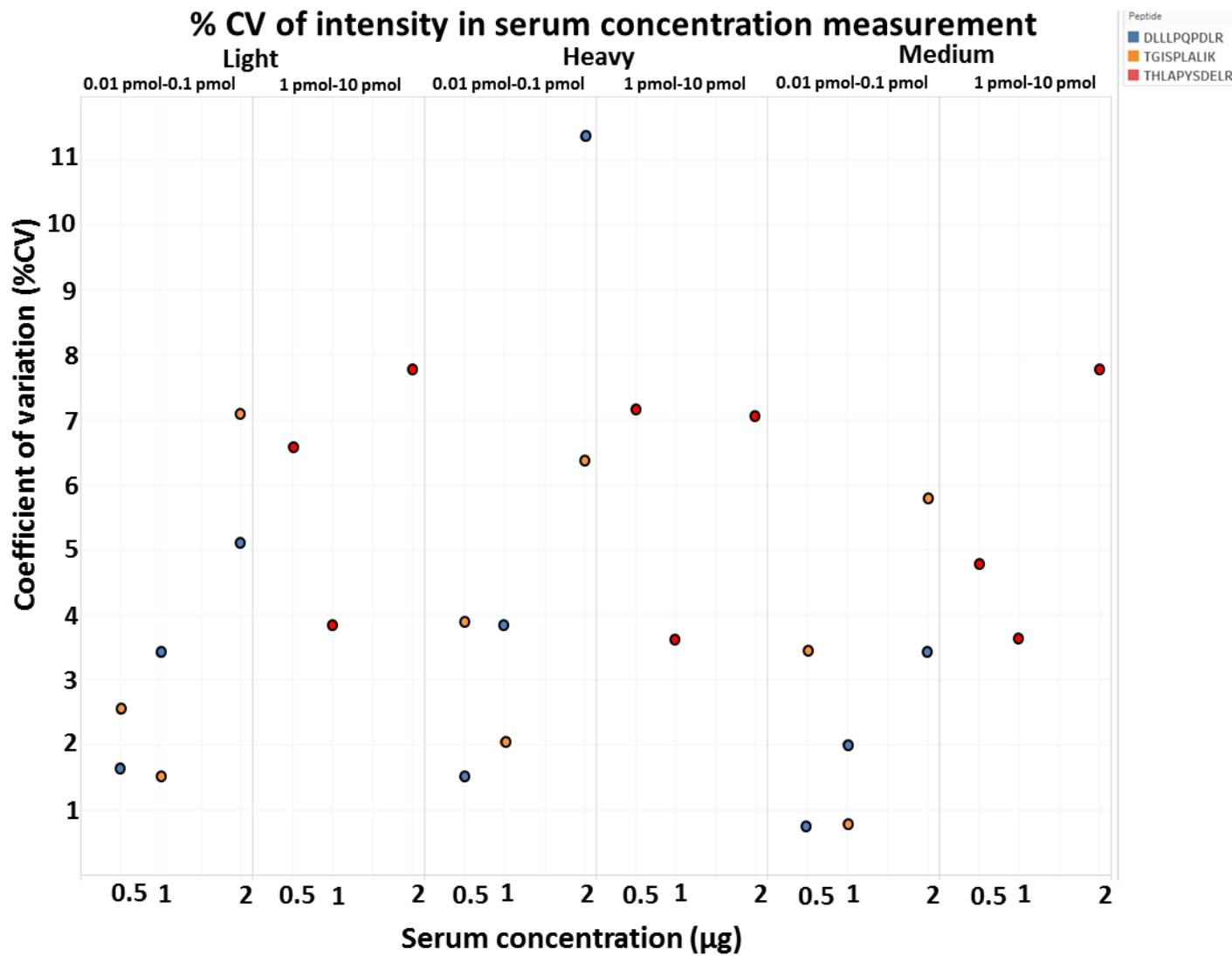
Supplementary figure 1: Linearity of response of the labeled triplet peptides

The linearity of response of each peptide was determined by mixing equal amount of each labeled version (L, M, and H) of dimethylated peptide and analyzed from 1 amol to 10 pmol. The detected peak areas, the linear regression curve, and the CV values of the peak areas between replicates must be considered to determine the limit of quantification (LOQ). A CV value of 20% was chosen as the cutoff to ensure reproducibility, while the threshold at 0.95 of R^2 value was employed to ensure best linearity fit.

Linear range of triplet labeled peptides



Supplementary figure 2 : The coefficient pf variation (% CV) in serum



Supplementary figure 3: The regression curve of serum measurement assay

The amounts of targeted peptides were determined in different dynamic ranges. In each dynamic range for each peptide, three replicates were analyzed and the R^2 value of at least 0.9 and $p < 0.05$ was considered to assert reproducibility and reliability of the assay.

