Supplementary Figure 1 Sensitivity of the quantitative proteomics platform. Profile trend plot of the normalized median intensities of peptides detected within 4 groups of standard plasma samples spiked immediately before LC-MS analysis, with varying concentrations (0x, 1x, 2x and 4x, respectively) of an 8-protein cocktail. The 4 groups are plotted on the x-axis with the median intensities (normalized to the values in group 4) plotted on the y-axis. The plot demonstrates the high variability of intensity measurements for 75 peptides (shown in red) matched to known peptides from the 8-protein cocktail. These peptides each had an inter-group median intensity coefficient of variation (CV) measurements of 0.70 or higher. Note that this is a high CV because peptides of all spiked levels (0x, 1x, 2x and 4x) are included and so, high variability is expected across the spiked peptides. A significantly lower CV measurement of less than 0.10 was obtained for the intensity measurements of standard plasma peptides (shown in blue).