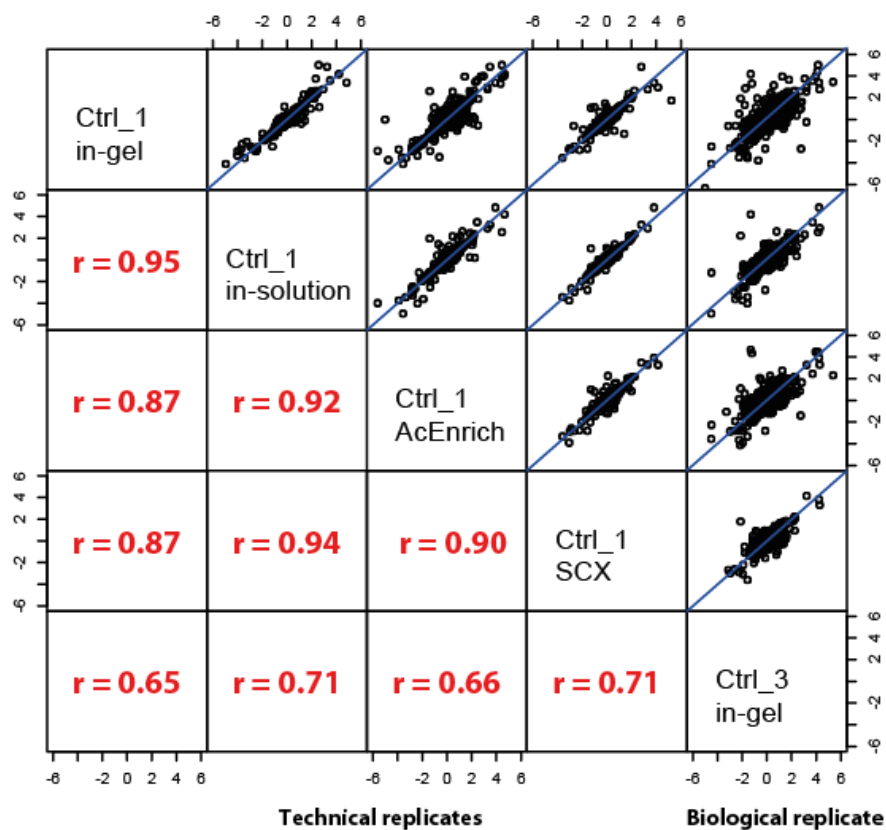


Supplementary Information:

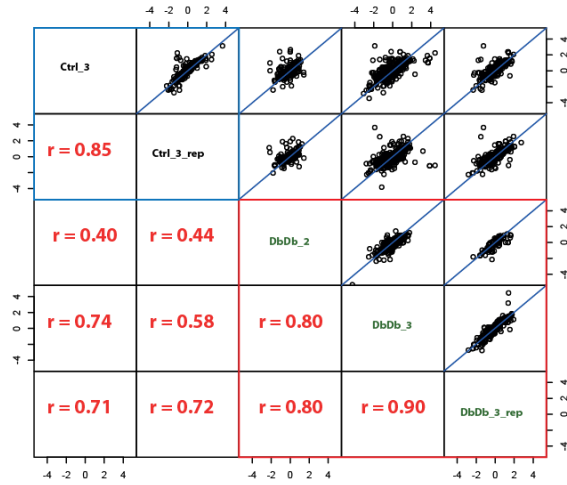
Figure 1:



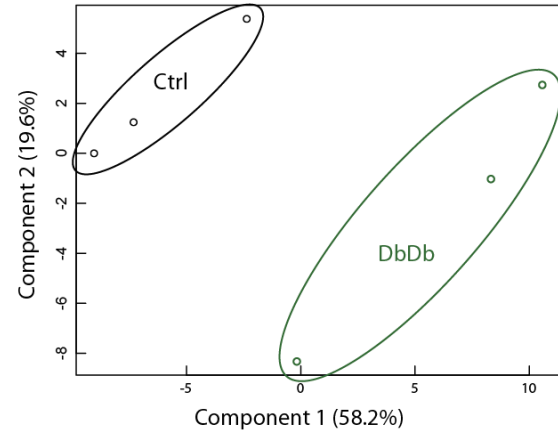
Suppl. Fig. 1: Correlation between technical replicates for proteome analysis using in-gel, in-solution, immunoprecipitation and SCX experimental procedure. Blue line shows linear regression of the data and the calculated Pearson correlation coefficient r for each pair of the technical replicate which is between 0.87 and 0.95. The comparison of the biological replicates of the direct Control/DbDb ratio for each experiment reveals a correlation between 0.65 and 0.71.

Figure 2:

A



B



Suppl. Fig. 2: Experimental results of Acetyome (a) A total of 1604 lysine acetylation sites are quantified. Correlation between technical replicates showed an average Pearson correlation of 0.8 (b) Principle component analysis resulted in a clear separation of component 1 (58%) and component 2 (20%).