



**Figure 2 – Figure Supplement 1.** Correlation between biological replicates for selection of phage variant library under different conditions. Correlation of  $F_N$  scores between biological replicates of phage variant library on multiple hosts including **(A)** *E. coli* 10G **(B)** BL21 and **(C)** BW25113. R values and trendlines are displayed for all variants (black line) and with outliers excluded (red line) for 10G with outlier points in red and all other points in grey.