

Scatter plot showing  $-\log_{10}(\text{p-value})$  (Y-axis) versus Correlation (X-axis). The plot is divided into three regions by vertical dashed lines: -ve: 45 (blue), NA: 42 (grey), and +ve: 3 (red). The Y-axis ranges from 0 to 100, and the X-axis ranges from -1.00 to 1.00. A horizontal dashed line is at  $-\log_{10}(\text{p-value}) = 1$ . Most data points are clustered near  $-\log_{10}(\text{p-value}) = 1$ , with a few outliers in the -ve region reaching up to  $-\log_{10}(\text{p-value}) = 100$ .

+ve: 3