

Scatter plot showing the relationship between the log2 fold change (y-axis) and the control mean (x-axis) for 15,000 genes. The data points are blue circles, and a blue regression line is shown. Three genes are highlighted in red: IL10, IL16C15Rik, and Defa24. The R-squared value for all genes is 0.9736, and for the top 100 DEGs it is 0.9933.

$$R^2_{\text{top 100 DEGs}} = 0.9933$$