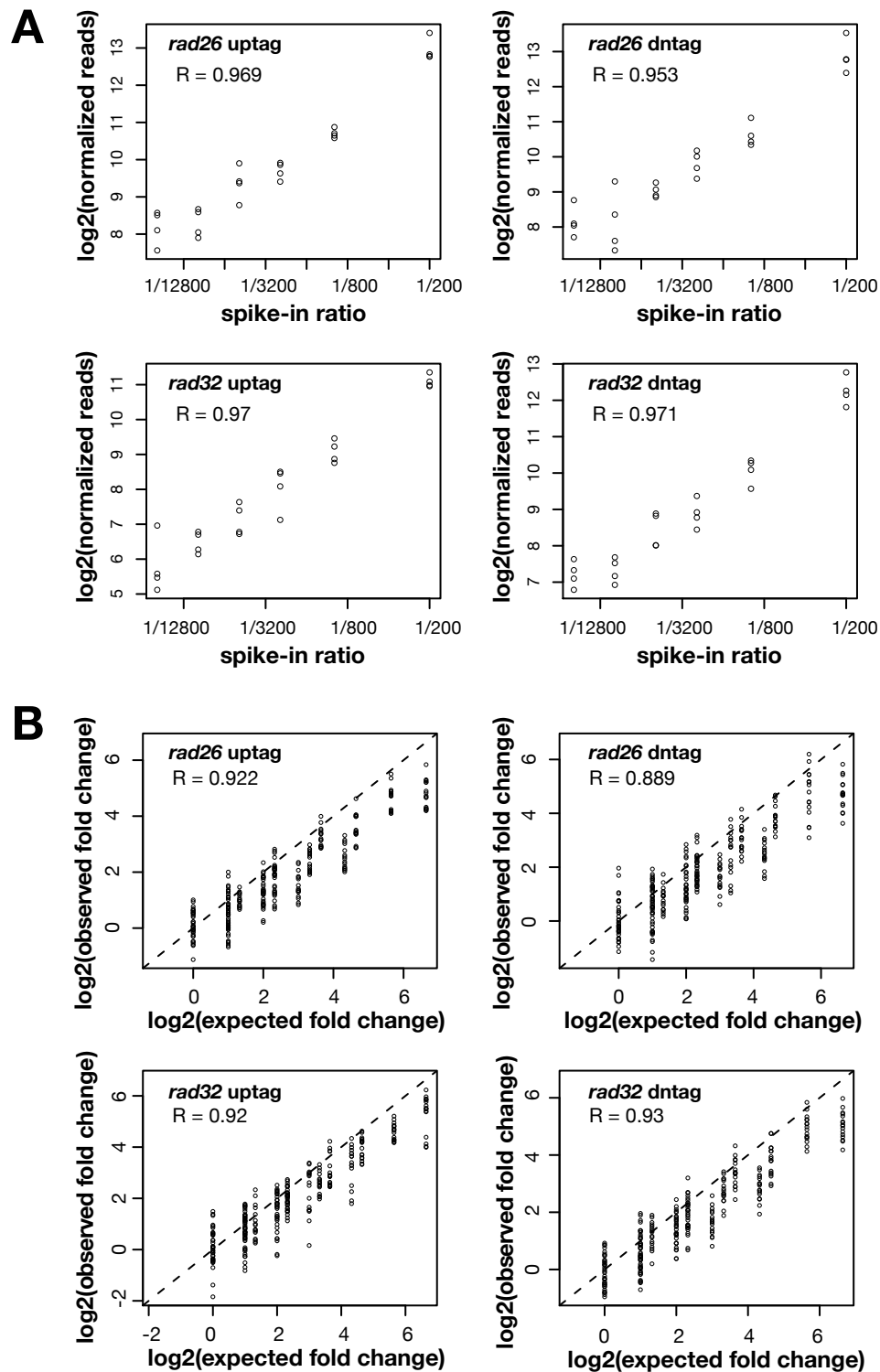




Supplementary Figure 3.

The linearity and dynamic range of barcode sequencing assessed using spike-in controls.

A *rad32* deletion strain and a *rad26* deletion strain from the the Bioneer version 1.0 upgrade package (M-1030H-U) were spiked into twenty-four version 1.0 pooled samples that had been grown in minimal or rich medium for different generations. The ratios between the cell number of each spike-in strain and the total cell number of the version 1.0 pooled strains were 1/200, 1/1000, 1/2500, 1/5000, 1/10000, and 1/20000. The read numbers were normalized by total matched reads of the version 1.0 strains.

A. The normalized read numbers were plotted against the spike-in ratios.

B. The observed log fold changes between different spike-in samples were plotted against expected log fold changes.