



Figure S1 Determining minimum read count threshold for variant filtration. Barcodes linked to wildtype *SUL1* promoters were used to set a minimum generation 0 read count for variant filtration. The fitness of each wildtype barcode is plotted against that barcode's generation 0 read count. Filtration thresholds (red lines) were set at a point where the dependency between read count and barcode fitness was not apparent.