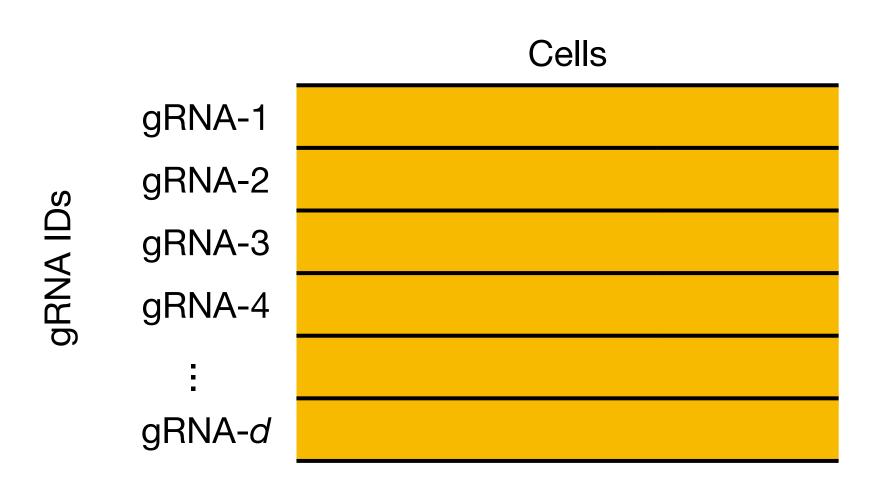
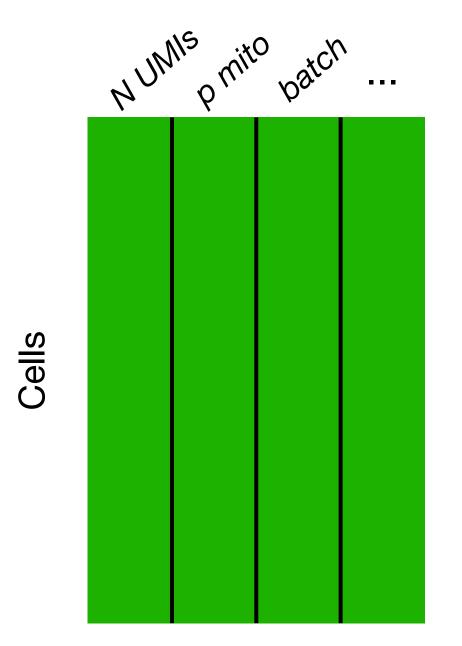


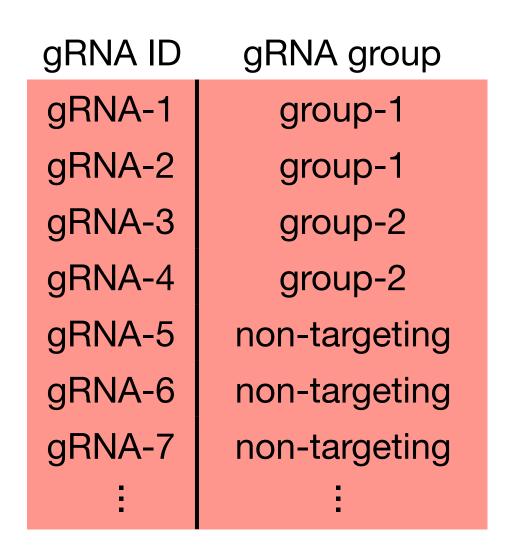
1. Response-by-cell matrix



2. gRNA-by-cell matrix



3. Cell-by-covariate matrix



4. gRNA group table

Response ID	gRNA group	N nonzero treatment cells	N nonzero control cells
gene-1	group-1	15	8
gene-2	group-1	10	16
gene-3	group-1	4	23
gene-2	group-2	11	13
gene-4	group-2	18	34
gene-5	group-2	21	6
	:		•
	Response ID	gRNA group	
	Response ID gene-1	gRNA group group-1	
	<u> </u>	group-1 group-1	
	gene-1	group-1 group-1	
	gene-1 gene-2	group-1	