

Cell Type	chr1	chr2	...	chr11	chr12	...	chr21	chr22	chrX	chrY
A549						
GM12878						
H1						
HeLa						
LNCaP						
MCF7						
THP1						
HCT116						

Figure 2: **Example test scenario of our leave-one-out-training (LOOT) configuration.** This example that tests on OCRs from HeLa cells illustrates which chromosomes did we take OCRs from, for training (green), validation (blue) and testing (purple). In every scenario, OCRs from HCT116 cells from chromosomes chr1 thru chr11 were used for validation (the rest for this cell type were discarded), and we only trained on OCRs from those same chromosomes from all other cell types, testing only on OCRs from chromosomes chr12 thru chrY. This ensures the test set is truly novel every time, and prevents introducing any protocol or cell type-specific bias during training, as well as training on regions that could overlap in coordinates with those OCRs tested.