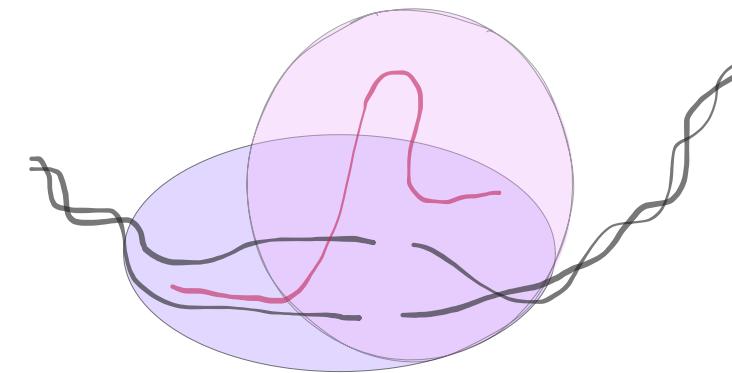
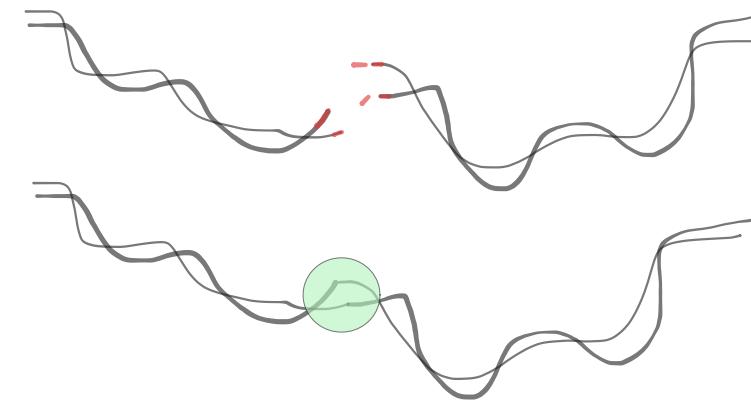


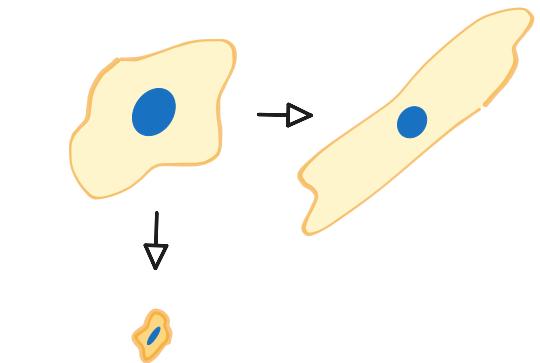
Gene deletion
CRISPR-Cas9 induced DSB



Cell repairs DSB but some bases lost

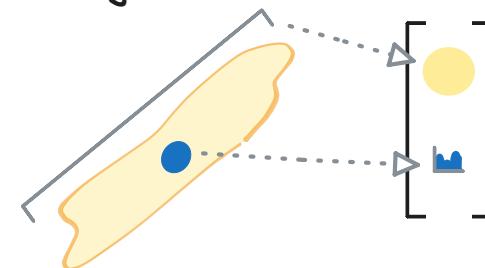


Effect of perturbation



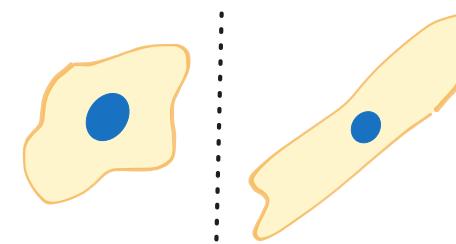
Representations

Projective



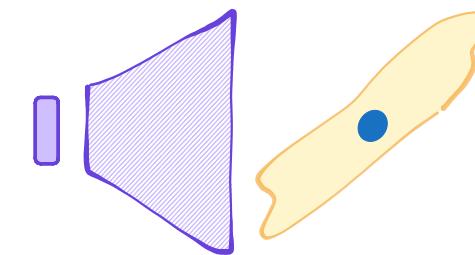
- * interpretability
- * constraints

Contrastive prob.



- * oodness

Gen. modelling



- * gen. modelling
- * implementation

The problem: similarity of embeddings by chromosome arm

