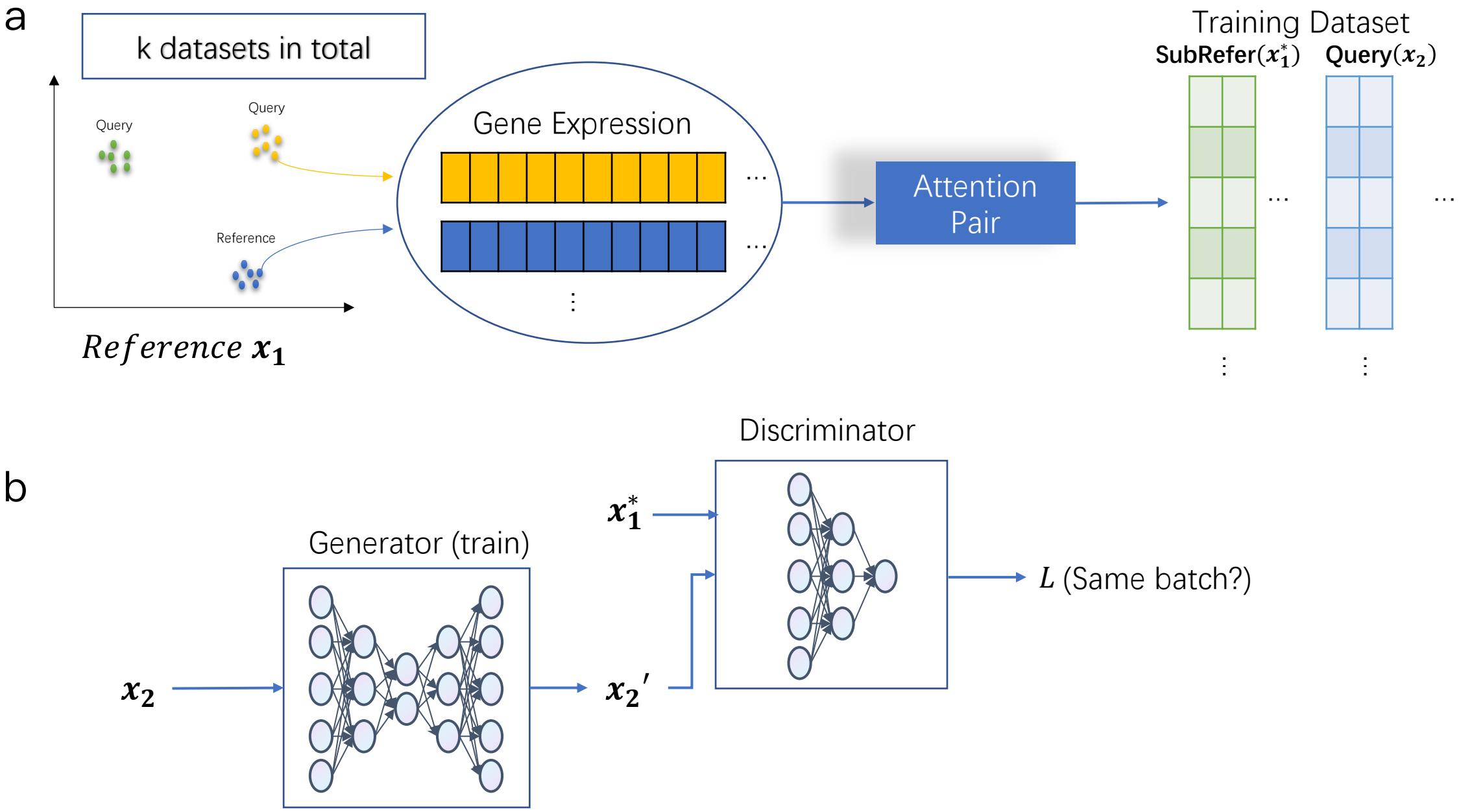
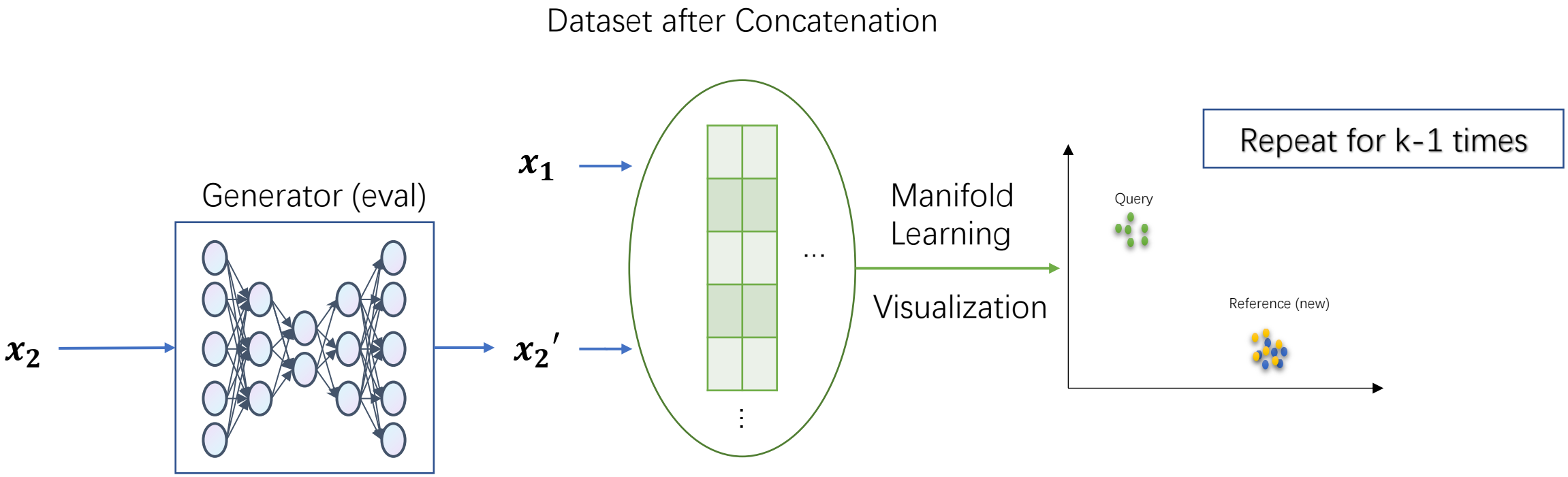

a
k datasets in total
Query
Query
Reference
Reference $x_1$
Gene Expression
Attention Pair
Training Dataset
SubRefer($x_1^*$)
Query($x_2$)
b
Generator (train)
$x_2$
$x_2'$
Discriminator
$x_1^*$
$L$ (Same batch?)

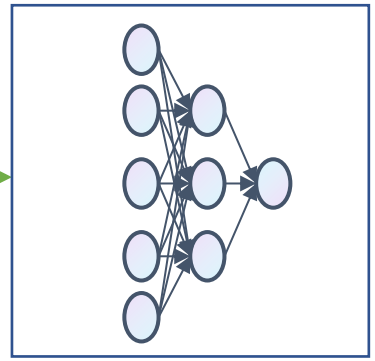
C


Dataset after Concatenation
$x_1$
Generator (eval)
$x_2$
$x_2'$
...
Manifold Learning
Visualization
Query
Reference (new)
Repeat for k-1 times

Training Dataset

Small Divergence

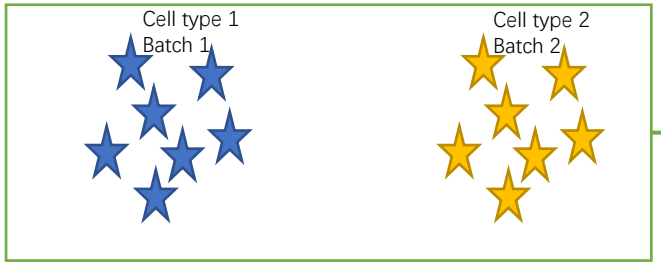
Discriminator



Difficult to discriminate

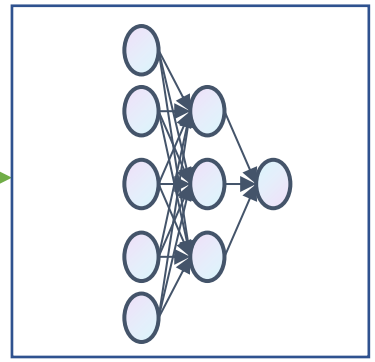
Train Continue

Training Dataset




Large Divergence

Discriminator



Easy to discriminate

Train Stop