Cell type mixture

Dataset
Step 1: Choose your dataset

Load data to your workspace

Parameters
Step 2: Set your parameters

One Step Simulation

This function simulates pure and mixed cell type expression data for two cell types, namely 1 (target) and 2 (null), for your picked cell types and designed correlation structure for the target cell type. Set your parameters for the variables below!

Enter # of samples to simulate for each celltype:

20

Enter cell type 1 (Target):

Aortic Smooth Muscle Cells ▼

Enter cell type 2 (Null):

Aortic endothelial cells ▼

Choose vector of mixing proportions

seq ▼

Enter # of genes for each block (separate by comma):

30,30,30

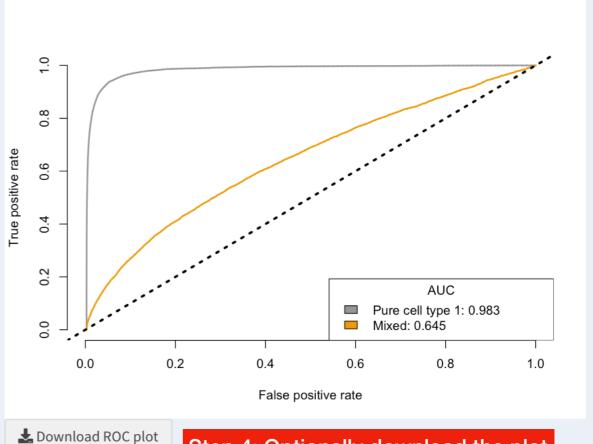**Enter corr. coefficients for each block (separate by comma):**

0.7,0.7,0.7

Gene selection

random ▼

Run OneStepSim   Step 3: click and run simulations

Num. of Iterations:

5

Download ROC plot   Step 4: Optionally download the plot