DeST-OT

Π:

Doublet (Feature term)

Triplet

Quartet (Gromov-Wasserstein term)

Semi-unbalanced OT:

$\mathbf{g_1}$

Π:

$\mathbf{g_2}$

ξ:

$\mathcal{S}_1$

timepoint t_1

$\mathcal{S}_2$

timepoint t_2

Alignment matrix Π

Cell growth ξ

Balanced OT:

$\mathbf{g_1}$

$\mathbf{g_2}$

Unbalanced OT: