## Metrics for dataset: brain\_sim\_DEG\_20\_CELLS\_1000\_unbalanced 1.5e+07 **-**2.0e+07 -Metric Value Mean 0.71 Median 0 1.5e+07 1.0e+07 -S.D. 5.24 Frequency 1.0e+07 Variance 27.45 (0, 1803) Range Sparsity 74.55% 5.0e+06 N Cells 1000 N Genes 19497 % Dynamic 20% 0.0e+00 **-**0.0e+00 Allocation Unbalanced 500 1,000 1,500 12 Normalized Expression N Subjects 6 Raw Expression Louvain Cluster Subject P1 P2 P3 Louvain Subject True Ordering Cluster P1 1.00 $\sim$ 0.75 $\mathbb{S}^{2}$ PC 0.50 0.25

PC 1

PC 1

UMAP 1