

Table S4: Cell counts in pseudotime states for proximal tubule and endothelial cells.

Proximal Tubule, Singleplex

State	phenotype	Group	Cell_Count
1	Transplant	Singplex_Proximal_Tubule	17
1	Normal	Singplex_Proximal_Tubule	2780
2	Transplant	Singplex_Proximal_Tubule	289
2	Normal	Singplex_Proximal_Tubule	1219
3	Normal	Singplex_Proximal_Tubule	338
4	Normal	Singplex_Proximal_Tubule	1482
5	Normal	Singplex_Proximal_Tubule	414
6	Normal	Singplex_Proximal_Tubule	12
7	Transplant	Singplex_Proximal_Tubule	77
7	Normal	Singplex_Proximal_Tubule	2988
8	Transplant	Singplex_Proximal_Tubule	14
8	Normal	Singplex_Proximal_Tubule	349
9	Normal	Singplex_Proximal_Tubule	2343

Proximal Tubule, Mux-Seq

State	phenotype	Group	Cell_Count
1	Transplant	Multiplex_Proximal_Tubule	770
1	Normal	Multiplex_Proximal_Tubule	479
2	Transplant	Multiplex_Proximal_Tubule	313
2	Normal	Multiplex_Proximal_Tubule	985
3	Transplant	Multiplex_Proximal_Tubule	33
3	Normal	Multiplex_Proximal_Tubule	25
4	Transplant	Multiplex_Proximal_Tubule	137
4	Normal	Multiplex_Proximal_Tubule	234
5	Transplant	Multiplex_Proximal_Tubule	265
5	Normal	Multiplex_Proximal_Tubule	2065

Endothelial cells, Singleplex

State	phenotype	Group	Cell_Count
1	Transplant	Singplex_Endothelial	3724
1	Normal	Singplex_Endothelial	14
2	Transplant	Singplex_Endothelial	86
2	Normal	Singplex_Endothelial	34
3	Transplant	Singplex_Endothelial	192
3	Normal	Singplex_Endothelial	180
4	Transplant	Singplex_Endothelial	204
4	Normal	Singplex_Endothelial	4800
5	Transplant	Singplex_Endothelial	81
5	Normal	Singplex_Endothelial	2013
6	Transplant	Singplex_Endothelial	527
6	Normal	Singplex_Endothelial	487
7	Transplant	Singplex_Endothelial	901
7	Normal	Singplex_Endothelial	6

Endothelial cells, Mux-Seq

State	phenotype	Group	Cell_Count
1	Transplant	Multiplex_Endothelial	493
1	Normal	Multiplex_Endothelial	862
2	Transplant	Multiplex_Endothelial	2116
2	Normal	Multiplex_Endothelial	608
3	Transplant	Multiplex_Endothelial	3
3	Normal	Multiplex_Endothelial	2
4	Transplant	Multiplex_Endothelial	276
4	Normal	Multiplex_Endothelial	238
5	Transplant	Multiplex_Endothelial	459
5	Normal	Multiplex_Endothelial	529