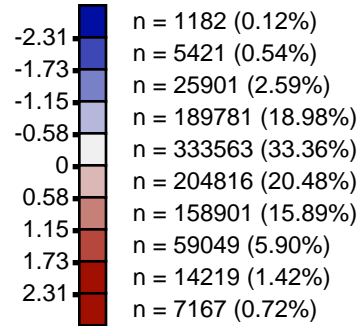


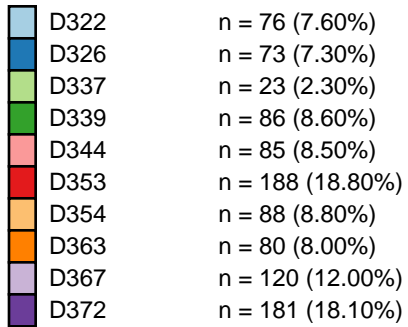


### Data Matrix Distribution

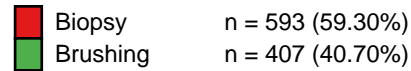


### Column Covariate Bar Legends

**Donor**



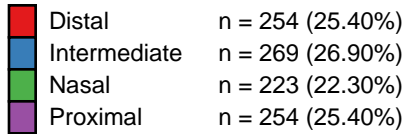
**Method**



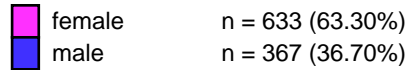


Column Covariate Bar Legends (continued)

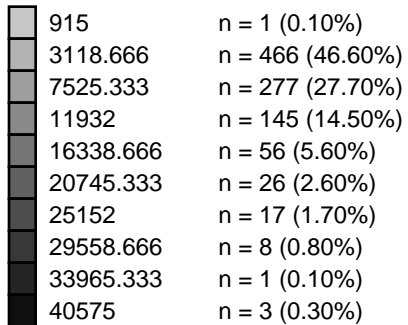
Position



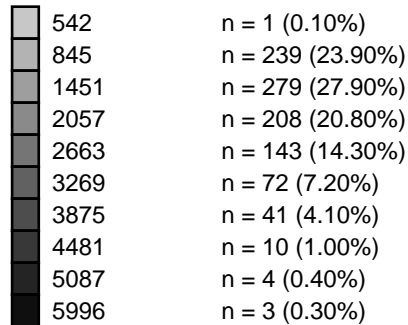
Sex



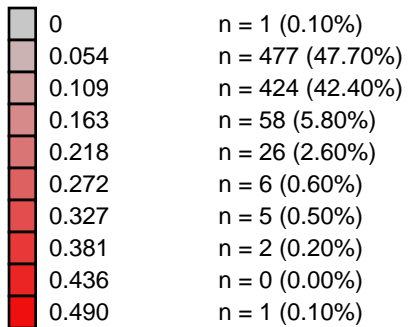
UMI Count



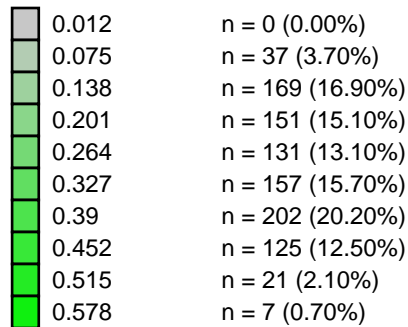
Expressed Genes


























Percent MitoChond



Percent Ribo



**Column Covariate Bar Legends (continued)****Cell Type**

	AT2	n = 1 (0.10%)
	Basal	n = 293 (29.30%)
	Cycling Basal	n = 9 (0.90%)
	Dendritic	n = 2 (0.20%)
	Deuterosomal	n = 9 (0.90%)
	Endothelial	n = 42 (4.20%)
	Fibroblast	n = 4 (0.40%)
	Ionocyte	n = 2 (0.20%)
	LT/NK	n = 19 (1.90%)
	Macrophage	n = 39 (3.90%)
	Monocyte	n = 10 (1.00%)
	Multiciliated	n = 98 (9.80%)
	Multiciliated N	n = 18 (1.80%)
	Pericyte	n = 3 (0.30%)
	Plasma cells	n = 2 (0.20%)
	Precursor	n = 1 (0.10%)
	Secretory	n = 124 (12.40%)
	Secretory N	n = 114 (11.40%)
	Serosus	n = 47 (4.70%)
	SMG Goblet	n = 3 (0.30%)
	Smooth muscle	n = 4 (0.40%)
	Suprabasal	n = 113 (11.30%)
	Suprabasal N	n = 43 (4.30%)