

Supplemental Table 2. Summary of cell count in major retina cell classes in each sample (annotated based on short read data and known cell marker genes).

Sample ID	Short reads	AC	BC	Cone	MG	Rod	RGC	Total Cell (annotated/all)
WT_P40	191,466,589	118	661	311	276	5,685	/	7,051 / 9,481
Retina0426Cd73N	567,859,945	28	7,836	711	593	104	/	9,272 / 11,708
Retina_WT1	65,287,225	307	366	196	/	7,736	/	8,605 / 11,482
RGC_live_AC	716,892,036	4,118	/	/	/	/	145	4,263 / 5,046
Total	1,541,505,795	4,571	8,863	1,218	869	13,525	145	29,191 / 37,717