

Supplemental Table 3. Summary of number and percentage of long reads passed filtering and demultiplexing for each sample.

Sample ID	Long reads per flow cell	Total ONT long reads	Well- structured long reads	Demultiplexed long reads	UMI found
WT_P40	123,629,895	397,145,158	371,791,116 (93.62%)	166,451,405 (41.91%)	116,390,196
	105,667,835				
	117,732,454				
	50,114,974				
Retina0426Cd73N	101,344,201	405,815,715	373,734,904 (92.09%)	108,966,596 (26.85%)	73,650,477
	117,506,930				
	85,719,533				
	101,245,051				
Retina_WT1	72,680,045	287,446,733	263,923,680 (91.82%)	102,148,840 (35.54%)	80,240,552
	59,516,227				
	77,548,160				
	77,702,301				
RGC_live_AC	76,566,110	310,531,327	279,196,517 (89.91%)	140,097,833 (45.12%)	122,961,379
	85,885,591				
	88,947,359				
	59,132,267				
Total	1,400,938,933	1,400,938,933	1,288,646,217 (91.98%)	517,664,674 (36.95%)	393,242,604