"Batched"
573,074 variants

"Unbatched"
573,074 variants

	93 samples	25 samples	7 samples	688 samples	7 samples	100 samples	920 samples
	Batch 1	Batch 2	Batch 3	Batch 4	Batch 5	Batch 6	Unbatched
# of variants	448,862	448,862	448,862	448,862	430,868	430,868	573,074

Genotype Filters

	Batch 1	Batch 2	Batch 3	Batch 4	Batch 5	Batch 6	Unbatched
Before filters: non-reference genotypes (reference genotypes)	4,456,331 (36,203,834)	1,152,255 (9,930,101)	329,456 (2,771,328)	31,521,712 (272,602,882)	311,349 (2,692,667)	4,476,690 (38,458,656)	42,247,793 (362,659,468)
% alternate filtered out (% reference filtered out)	10.2% (8.6%)	7.2% (5.0%)	6.1% (4.1%)	7.5% (5.7%)	4.4% (3.0%)	3.9% (2.2%)	7.4% (5.6%)
After filters: non-reference genotypes (reference genotypes)	3,999,824 (33,073,728)	1,069,626 (9,429,306)	309,409 (2,657,251)	29,159,761 (257,038,710)	297,535 (2,611,629)	4,303,927 (37,610,409)	39,140,082 (342,421,033)

Variant Filters

	Batch 1	Batch 2	Batch 3	Batch 4	Batch 5	Batch 6	Unbatched
Before filter: # of variants	448,862	448,862	448,862	448,862	430,868	430,868	573,074
% filtered out	18.2%	11.0%	14.2%	13.4%	8.9%	5.5%	36.9%
After filters: # of variants	367,166	399,363	385,040	388,911	392,630	407,158	361,325

# of variants	Merged 535,975 (6.5% of raw removed)	Unbatched 361,325 (36.9% of raw removed)

VQSR Filter (99% sensitivity tranche)

	Merged	Unbatched
Before filter: # of variants	535,975	361,325
% filtered out	11.3%	4.7%
After filter: # of variants	471,118	334,358

Final "Batched"
471,118
(82.2% of raw)

Final "Unbatched"
334,358
(58.3% of raw)

Additional File 5: Detailed view of batched versus unbatched filtering.
This schematic displays the details for filtering data in batches (left) versus filtering all 920 samples together (right). At each step, the number of variants or genotypes are shown.