Before additional sequencing

	Cycle 1		Cycle 2		Cycle 3																																					
Sample ID	**NumPolonies Assigned (Lane1)**	**NumPolonies Assigned (Lane2)**					**NumPolonies Assigned (Merge)**	**Number of Reads**	**Valid Barcodes**	**Valid UMIs**	**Sequencing Saturation**	**Q30 Bases in Barcode**	**Q30 Bases in Probe Read**	**Q30 Bases in UMI**	**Reads Mapped to Probe Set**	**Reads Mapped Confidently to Probe Set**	**Fraction Reads in Squares Under Tissue**	**Genes Detected**	**Reads Mapped Confidently to the Filtered Probe Set**	**Number of Genes**	**Reads Half-Mapped to Probe Set**	**Reads Split-Mapped to Probe Set**	**Estimated UMIs from Genomic DNA**	**Estimated UMIs from Genomic DNA per Unspliced Probe**	**Number of Squares Under Tissue 2 µm**	**Mean Reads Under Tissue per Square 2 µm**	**Fraction of Squares Under Tissue 2 µm**	**Mean Genes Under Tissue per Square 2 µm**	**Mean UMIs Under Tissue per Square 2 µm**	**Total Genes Detected Under Tissue 2 µm**	**Number of Bins Under Tissue 8 µm**	**Mean Reads Under Tissue per Bin 8 µm**	**Fraction of Bins Under Tissue 8 µm**	**Mean Genes Under Tissue per Bin 8 µm**	**Mean UMIs Under Tissue per Bin 8 µm**	**Total Genes Detected Under Tissue 8 µm**	**Number of Bins Under Tissue 16 µm**	**Mean Reads Under Tissue per Bin 16 µm**	**Fraction of Bins Under Tissue 16 µm**	**Mean Genes Under Tissue per Bin 16 µm**	**Mean UMIs Under Tissue per Bin 16 µm**	**Total Genes Detected Under Tissue 16 µm**
544_4M_HCC	427,894,525	438,807,589					866,702,114	866,702,114	90.90%	99.98%	65.95%	97.67%	98.18%	98.54%	99.66%	99.37%	97.41%	16,033	99.02%	19,059	0.27%	0.02%	0.01%	1	8,009,804	108.21	71.37%	27.48	32.15	16,033	504,773	1717.01	71.88%	326.38	512.15	16,035	127,353	6805.51	72.54%	991.27	2037.01	16,039
575_control	473,455,005	485,993,598					959,448,603	959,448,603	89.52%	99.99%	70.26%	98.17%	98.56%	98.75%	99.66%	99.29%	99.03%	15,797	98.95%	19,059	0.35%	0.03%	0.01%	1	8,767,098	109.44	78.12%	23.91	28.44	15,797	552,945	1735.16	78.74%	279.83	451.43	15,799	139,729	6866.50	79.59%	846.10	1788.34	15,800

After additional sequencing

	Cycle 1		Cycle 2		Cycle 3																																					
Sample ID	**NumPolonies Assigned (Lane1)**	**NumPolonies Assigned (Lane2)**	**NumPolonies Assigned (Lane1)**	**NumPolonies Assigned (Lane2)**	**NumPolonies Assigned (Lane1)**	**NumPolonies Assigned (Lane2)**	**NumPolonies Assigned (Merge)**	**Number of Reads**	**Valid Barcodes**	**Valid UMIs**	**Sequencing Saturation**	**Q30 Bases in Barcode**	**Q30 Bases in Probe Read**	**Q30 Bases in UMI**	**Reads Mapped to Probe Set**	**Reads Mapped Confidently to Probe Set**	**Fraction Reads in Squares Under Tissue**	**Genes Detected**	**Reads Mapped Confidently to the Filtered Probe Set**	**Number of Genes**	**Reads Half-Mapped to Probe Set**	**Reads Split-Mapped to Probe Set**	**Estimated UMIs from Genomic DNA**	**Estimated UMIs from Genomic DNA per Unspliced Probe**	**Number of Squares Under Tissue 2 µm**	**Mean Reads Under Tissue per Square 2 µm**	**Fraction of Squares Under Tissue 2 µm**	**Mean Genes Under Tissue per Square 2 µm**	**Mean UMIs Under Tissue per Square 2 µm**	**Total Genes Detected Under Tissue 2 µm**	**Number of Bins Under Tissue 8 µm**	**Mean Reads Under Tissue per Bin 8 µm**	**Fraction of Bins Under Tissue 8 µm**	**Mean Genes Under Tissue per Bin 8 µm**	**Mean UMIs Under Tissue per Bin 8 µm**	**Total Genes Detected Under Tissue 8 µm**	**Number of Bins Under Tissue 16 µm**	**Mean Reads Under Tissue per Bin 16 µm**	**Fraction of Bins Under Tissue 16 µm**	**Mean Genes Under Tissue per Bin 16 µm**	**Mean UMIs Under Tissue per Bin 16 µm**	**Total Genes Detected Under Tissue 16 µm**
544_4M_HCC	427894525	438807589	368,585,640	373,230,052	386,093,004	383,471,636	2,378,082,446	2,378,082,446	90.57%	99.96%	85.82%	96.75%	97.62%	97.71%	99.30%	99.01%	97.41%	16,115	98.66%	19,059	0.27%	0.02%	0.01%	1	8,009,804	296.90	71.37%	30.74	36.34	16,115	504,773	4711.19	71.88%	359.44	578.95	16,117	127,353	18673.16	72.54%	1079.54	2302.73	16,121
575_control	473455005	485993598	372,990,535	384,362,801	376,699,135	367,560,741	2,461,061,815	2,461,061,815	89.32%	99.97%	87.30%	97.85%	98.42%	98.47%	99.47%	99.10%	99.03%	15,852	98.76%	19,059	0.35%	0.03%	0.01%	1	8,767,098	280.72	78.12%	25.83	30.94	15,852	552,945	4450.83	78.74%	298.90	491.14	15,854	139,729	17613.11	79.59%	897.57	1945.69	15,855