

Sample Summary Information For Experiment (ketchum)

Project Summary

Project Name	ketchum
Machine	HWI-1KL138
Run Folder	111213_SNL138_0054_Ab01afacxx
Flow Cell ID	b01afacxx
Platform	
Control Software	HiSeq Control Software 1.5.15
Primary Analysis	RTA 1.13.48.0
Secondary Analysis	CASAVA-1.8.2

Project Results Summary

Clusters (Raw)	Clusters(PF)	Yield (MBases)
529,876,197	529,876,197	107,035

Barcode-Lane summary

Barcode-Lane	Sample	Barcode	Lane	Species	Analysis Type	Length	Num Tiles	Genome Directory
ketchum-140_CTTGTA_L2				ketchum-140		CTTGTA	2	hg19 48 /
ketchum-140_CTTGTA_L3				ketchum-140		CTTGTA	3	hg19 48 /
ketchum-140_CTTGTA_L4				ketchum-140		CTTGTA	4	hg19 48 /
ketchum-26_GCCAAT_L2				ketchum-26		GCCAAT	2	hg19 48 /
ketchum-26_GCCAAT_L3				ketchum-26		GCCAAT	3	hg19 48 /
ketchum-26_GCCAAT_L4				ketchum-26		GCCAAT	4	hg19 48 /
ketchum-31_CAGATC_L2				ketchum-31		CAGATC	2	hg19 48 /

ketchum-31_CAGATC_L3	ketchum-31	CAGATC	3	hg19	48	/
ketchum-31_CAGATC_L4	ketchum-31	CAGATC	4	hg19	48	/

Sample Results Summary : Read 1

Sample Info											
Sample	Sample Yield (Mbases)	Clusters (raw)	Clusters (PF)	1st Cycle Int (PF)	% intensity after 20 cycles (PF)	% PF Clusters	% Align (PF)	Alignment Score (PF)	% Mismatch Rate (PF)	% >=Q30 bases (PF)	Mean Quality Score (PF)
ketchum-140	14,194	140,535,592	140,535,592		1136.33 +/- 5.44	86.15 +/- 0.17	100.00	1.24	2.23	10.52 89.57	34.85
ketchum-26	24,735	244,899,947	244,899,947		1136.33 +/- 5.44	86.15 +/- 0.17	100.00	2.16	3.86	10.22 92.51	36.05
ketchum-31	14,589	144,440,658	144,440,658		1136.33 +/- 5.44	86.15 +/- 0.17	100.00	0.07	0.19	4.65 89.54	34.48

Sample Results Summary : Read 2

Sample Info											
Sample	Sample Yield (Mbases)	Clusters (raw)	Clusters (PF)	1st Cycle Int (PF)	% intensity after 20 cycles (PF)	% PF Clusters	% Align (PF)	Alignment Score (PF)	% Mismatch Rate (PF)	% >=Q30 bases (PF)	Mean Quality Score (PF)
ketchum-140	14,194	140,535,592	140,535,592		1071 +/- 4.32	86.87 +/- 0.25	100.00	1.21	2.00	12.02 83.66	32.95
ketchum-26	24,735	244,899,947	244,899,947		1071 +/- 4.32	86.87 +/- 0.25	100.00	2.08	3.42	11.55 88.15	34.62
ketchum-31	14,589	144,440,658	144,440,658		1071 +/- 4.32	86.87 +/- 0.25	100.00	0.07	0.18	5.90 84.25	32.94

Expanded Sample Summary : Read 1

Sample Info		Phasing Info		Raw data		Filtered data						
Sample	Clusters (raw)	% Phasing	% Prephasing	% Mismatch Rate (raw)	% PF Clusters	Cycle 2-4 Av Int (PF)	Cycle 2-10 Av Loss	Cycle 2-10-20 Av % Loss	% Align (PF)	% Mismatch Rate (PF)	% >=Q30 bases (PF)	Mean Quality Score

								(PF)	(PF)				(PF)
ketchum-140	140,535,592	0.19 +/- 0.00	0.22 +/- 0.00	10.52	100.00	1068.22 +/- 2.30	0.97 +/- 0.02	0.40 +/- 0.01	1.24	10.52	89.57	34.85	
ketchum-26	244,899,947	0.19 +/- 0.00	0.22 +/- 0.00	10.22	100.00	1068.22 +/- 2.30	0.97 +/- 0.02	0.40 +/- 0.01	2.16	10.22	92.51	36.05	
ketchum-31	144,440,658	0.19 +/- 0.00	0.22 +/- 0.00	4.65	100.00	1068.22 +/- 2.30	0.97 +/- 0.02	0.40 +/- 0.01	0.07	4.65	89.54	34.48	

Expanded Sample Summary : Read 2

Sample Info		Phasing Info		Raw data		Filtered data						Mean Quality
Sample	Clusters (raw)	% Phasing	% Prephasing	% Mismatch Rate (raw)	% PF Clusters	Cycle 2-4 Av Int (PF)	Cycle 2-10 Av % Loss (PF)	Cycle 10-20 Av % Loss (PF)	% Align (PF)	% Mismatch Rate (PF)	% >=Q30 bases (PF)	Score (PF)
ketchum-140	140,535,592	0.20 +/- 0.00	0.23 +/- 0.00	12.02	100.00	984.19 +/- 3.21	0.97 +/- 0.02	0.40 +/- 0.01	1.21	12.02	83.66	32.95
ketchum-26	244,899,947	0.20 +/- 0.00	0.23 +/- 0.00	11.55	100.00	984.19 +/- 3.21	0.97 +/- 0.02	0.40 +/- 0.01	2.08	11.55	88.15	34.62
ketchum-31	144,440,658	0.20 +/- 0.00	0.23 +/- 0.00	5.90	100.00	984.19 +/- 3.21	0.97 +/- 0.02	0.40 +/- 0.01	0.07	5.90	84.25	32.94

IVC Plots

[click here](#)

All Intensity Plots

[click here](#)

Mismatch Graphs

[click here](#)

Mismatch Curves

[click here](#)

Additional Paired Statistics

Sample Info	Relative Orientation Statistics				Insert Size Statistics (for relative orientation R+)						Insert Statistics (% of individually uniquely alignable pairs)				
	F-: >R2 R1>	F+: >R1 R2>	R-: <R2 R1>	R+: >R1 R2<	Total	Median	Below- median SD	Above- median SD	Low thresh.	High thresh.	Too small	Too large	Orientation and size OK		
ketchup-140	5,942 (0.39%)	6,238 (0.41%)		129,302 (8.41%)	1,396,820 (90.80%)		1,538,302	178	43	70	101	3148	0 (0.00%)	6,758 (0.44%)	1,390,062 (90.36%)
ketchup-26	19,298 (0.38%)	19,793 (0.39%)		481,518 (9.51%)	4,540,737 (89.71%)		5,061,346	171	40	66	101	653	0 (0.00%)	21,478 (0.42%)	4,519,259 (89.29%)
ketchup-31	235 (0.36%)	252 (0.39%)		4,742 (7.34%)	59,358 (91.90%)		64,587	179	35	59	101	533	11 (0.02%)	165 (0.26%)	59,182 (91.63%)

CASAVA-1.8.2