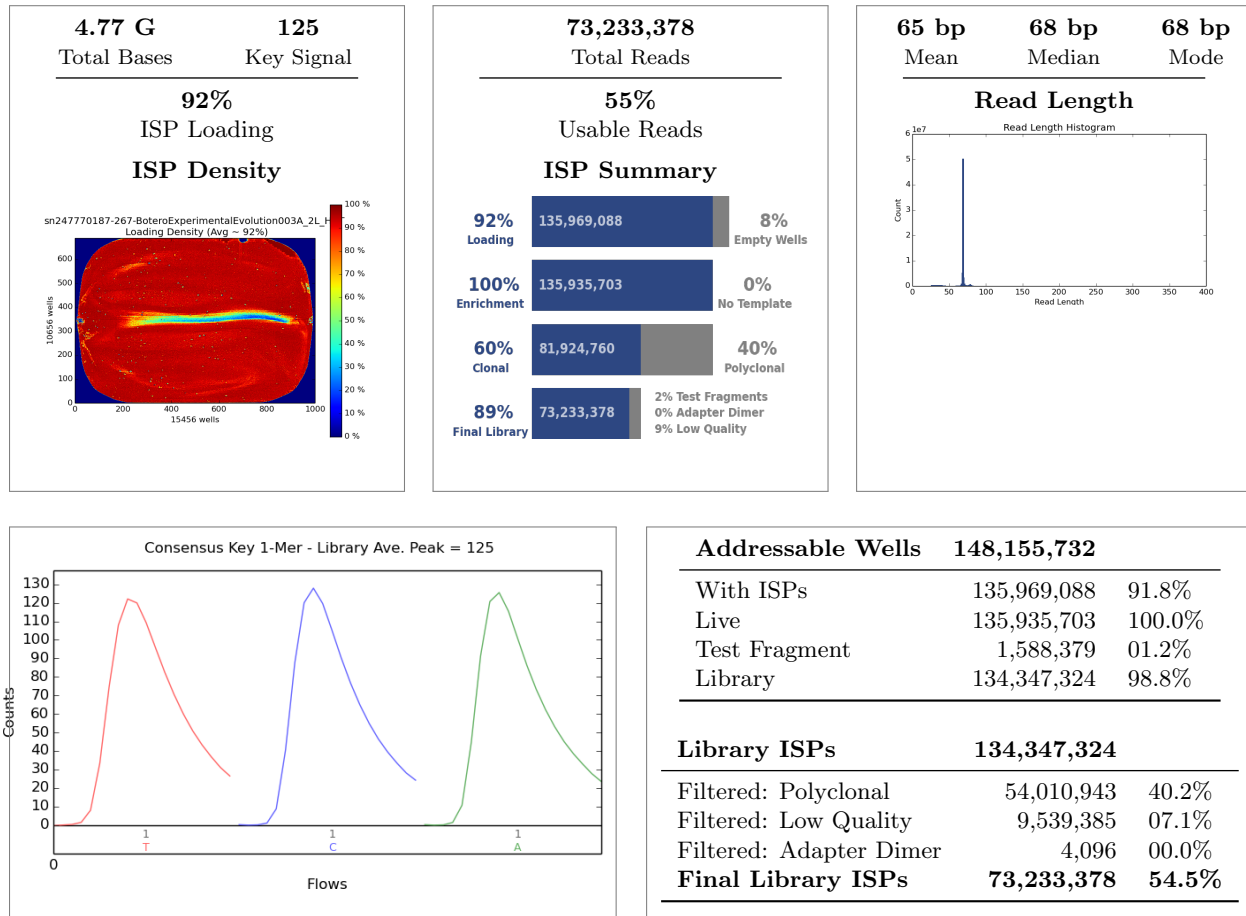



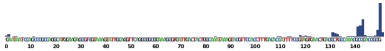
Run Summary



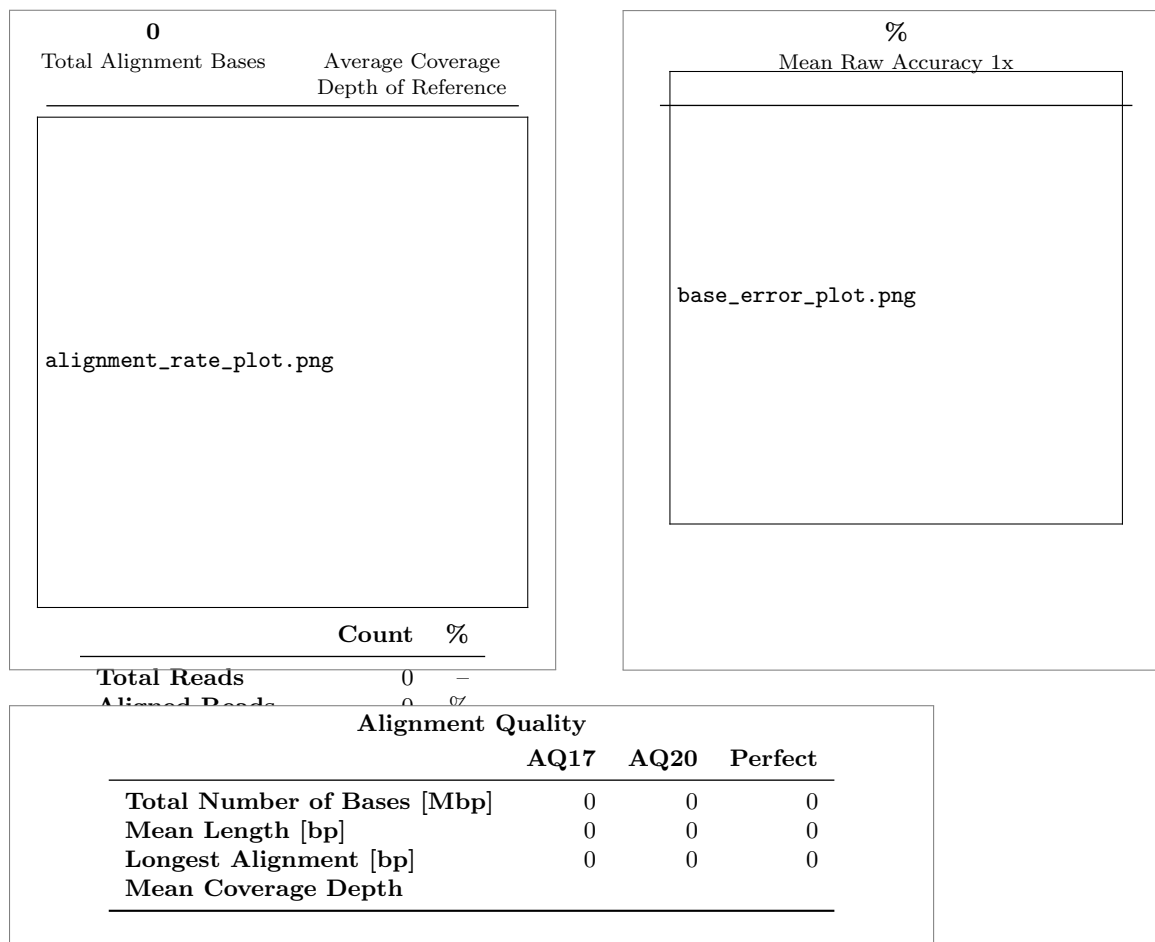
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	465,738,027	299,504,045	8,666,186	54 bp
IonXpress_017	BC17	231,021,808	218,083,597	3,479,181	66 bp
IonXpress_018	BC18	203,856,789	189,905,197	3,049,500	67 bp
IonXpress_019	BC19	272,246,087	257,952,599	4,084,288	67 bp
IonXpress_020	BC20	309,609,503	295,215,753	4,649,822	67 bp
IonXpress_021	BC21	307,455,338	290,062,525	4,667,878	66 bp
IonXpress_022	BC22	312,617,791	295,957,088	4,723,401	66 bp
IonXpress_023	BC23	682,950,608	649,711,663	10,210,883	67 bp
IonXpress_024	BC24	356,565,752	339,518,704	5,356,320	67 bp
IonXpress_025	BC25	624,024,299	595,137,351	9,315,252	67 bp
IonXpress_026	BC26	326,711,138	312,678,382	4,898,908	67 bp
IonXpress_027	BC27	115,456,318	110,017,494	1,732,135	67 bp

Run Report for BoteroExperimentalEvolution003A_2L_HCT_p2

IonXpress_028	BC28	117,033,616	111,803,526	1,763,244	66 bp
IonXpress_029	BC29	98,698,860	93,152,160	1,492,100	66 bp
IonXpress_030	BC30	63,782,666	61,065,448	945,747	67 bp
IonXpress_031	BC31	72,932,024	69,787,586	1,091,137	67 bp
IonXpress_032	BC32	57,432,492	55,416,011	850,172	68 bp
IonXpress_033	BC33	39,181,634	37,491,320	580,271	68 bp
IonXpress_034	BC34	68,351,369	65,639,309	1,027,641	67 bp
IonXpress_035	BC35	43,724,985	42,207,438	647,776	68 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,373,371	98%	
TF_1	210,174	94%	

Alignment Summary (*aligned to*)



Filtered_Alignments_Q10.png

Filtered_Alignments_Q17.png

Filtered_Alignments_Q20.png

Filtered_Alignments_Q47.png

Analysis Details

Run Name	R_2017_08_08_09_44_54_user_sn247770187-267-BoteroExperimentalEvolution003A_2L_HCT
Run Date	Aug. 8, 2017, 9:46 a.m.
Run Flows	520
Projects	BoteroExperimentalEvolution
Sample	BC17, BC26, BC19, BC25, BC18, BC27, BC20, BC21, BC22, BC23, BC35, BC31, BC28, BC30, BC34, BC33, BC32, BC24, BC29
Reference	
Instrument	sn247770187
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Chip Lot Number	QNX855
Barcode Set	HCT.barcode.set.PU
Analysis Name	BoteroExperimentalEvolution003A_2L_HCT_p2
Analysis Date	Aug. 8, 2017, 5:57 p.m.
Analysis Flows	0
runID	CF4TB
BeadFind Args	justBeadFind -args-json /opt/ion/config/args_P1.1.17_beadfind.json
Analysis Args	Analysis -args-json /opt/ion/config/args_P1.1.17_analysis.json -mixed-first-flow 12 -mixed-last-flow 120
Pre-BaseCaller Args for calibration	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -max-phasing-levels 2
Calibration Args	Calibration
BaseCaller Args	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -max-phasing-levels 2 -num-unfiltered 1000 -barcode-filter-postpone 1
Alignment Args	tmap mapall ... stage1 map4
IonStats Args	ionstats alignment
Analysis Parameters	custom

Chef Summary

Chef Template Prep Information:

Chef Last Updated	Aug. 8, 2017, 9:41 a.m.
Chef Instrument Name	CHEF00781
Sample Position	1
Tip Rack Barcode	4691500D3
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	Nov2017
Chip Expiration 2	Nov2017
Templating Kit Type	Ion PI Hi-Q Chef Kit
Reagent Expiration	170831
Reagent Lot Number	1774264
Reagent Part Number	A27284C
Solution Lot Number	1767682
Solution Part Number	A27282C
Solution Expiration	170331
Chef Script Version	406
Chef Package Version	IC.5.2.1
Templating Protocol	(use instrument default)

Software Version

Torrent Suite	5.2.2
host	3YCZK02
ion-analysis	5.2.25-1
ion-chefupdates	5.2.8
ion-dbreports	5.2.50-1
ion-gpu	5.2.0-1
ion-pipeline	5.2.14-1
ion-plugins	5.2.20-1
ion-protonupdates	5.2.4
ion-s5updates	5.2.9
ion-torrentpy	5.2.2-1
ion-torrentr	5.2.0-1
Script	2.1.40
LiveView	2195
DataCollect	3400
OIA	5208
OS	32
Graphics	86
Ion.Chef	IC.5.2.1