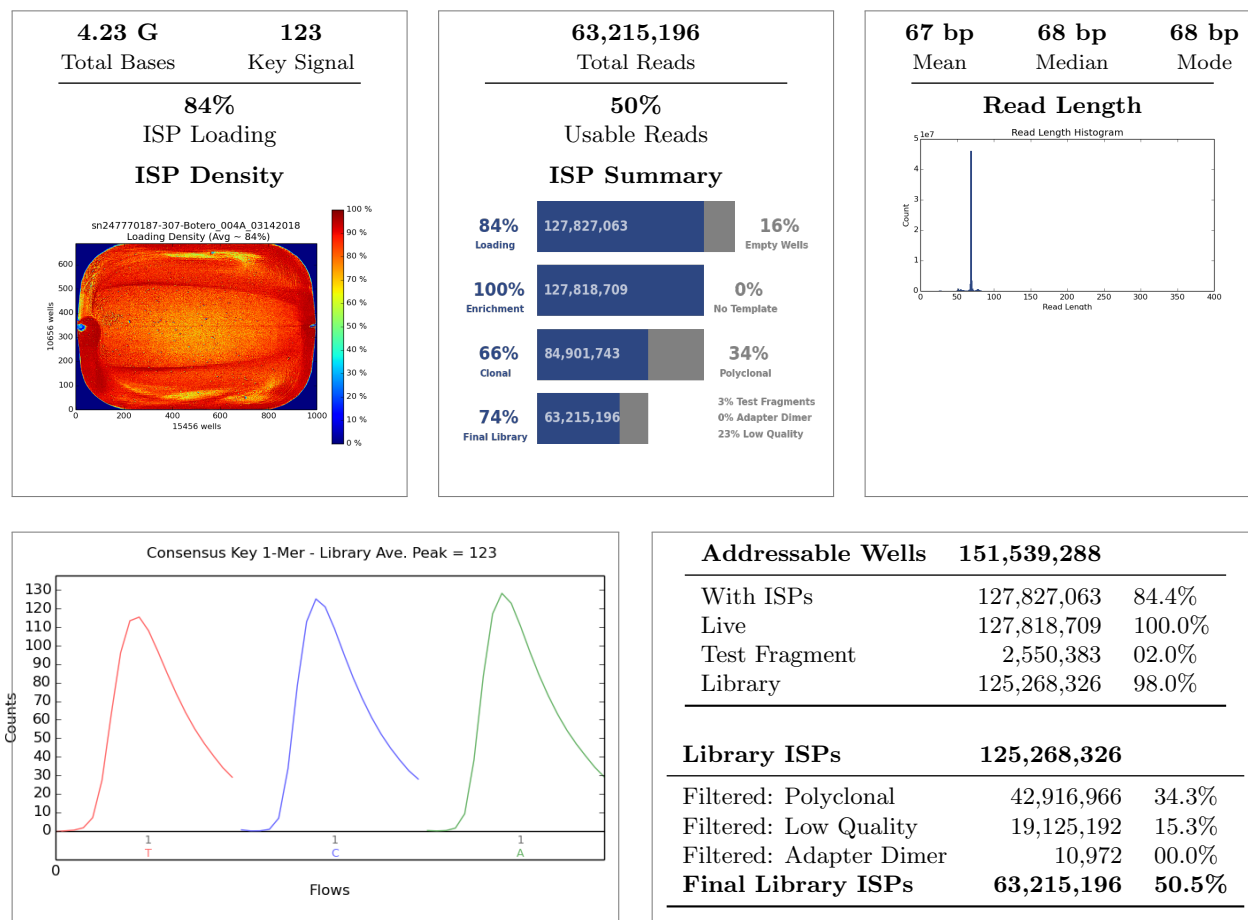



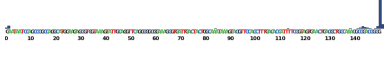
Run Summary



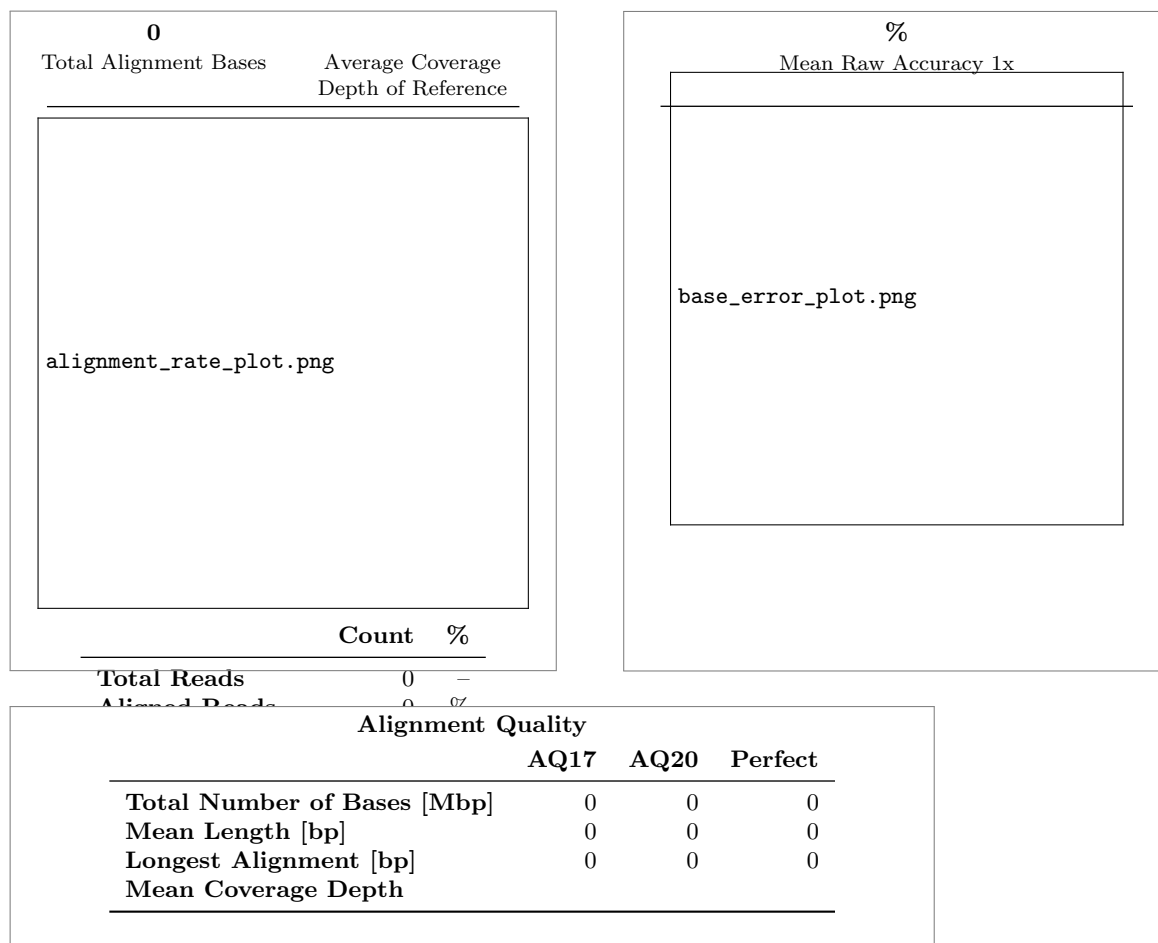
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length	Read Length Histogram
No barcode	none	304,074,678	229,425,798	4,334,261	70 bp	
IonXpress.017	BC17	305,574,189	294,950,153	4,529,153	67 bp	
IonXpress.018	BC18	133,994,916	128,170,616	1,981,146	67 bp	
IonXpress.019	BC19	223,060,601	215,196,785	3,315,676	67 bp	
IonXpress.020	BC20	259,759,204	250,685,955	3,858,102	67 bp	
IonXpress.021	BC21	275,764,266	266,528,435	4,109,442	67 bp	
IonXpress.022	BC22	149,557,269	144,461,809	2,221,093	67 bp	
IonXpress.024	BC24	265,693,919	256,995,871	4,060,204	65 bp	

Run Report for Auto_user_sn247770187-307-Botero_004A_03142018_460

IonXpress.025	BC25	322,654,700	311,929,707	4,835,460	66 bp	
IonXpress.026	BC26	266,940,725	259,428,715	3,965,929	67 bp	
IonXpress.028	BC28	266,351,421	258,217,924	4,208,924	63 bp	
IonXpress.029	BC29	270,124,626	259,902,178	4,014,442	67 bp	
IonXpress.030	BC30	245,570,817	236,935,734	3,655,099	67 bp	
IonXpress.031	BC31	245,685,536	236,192,280	3,691,246	66 bp	
IonXpress.032	BC32	152,850,812	147,462,855	2,321,792	65 bp	
IonXpress.033	BC33	12,201	11,884	182	67 bp	
IonXpress.034	BC34	82,000,095	78,620,894	1,208,293	67 bp	
IonXpress.035	BC35	181,156,871	175,283,957	2,709,869	66 bp	
IonXpress.036	BC36	276,272,937	268,659,890	4,186,596	65 bp	

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,870,518	98	
TF_1	640,063	91	

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_2018.03.15_10.18.47_user_sn247770187-307-Botero_004A_03142018
Run Date	March 15, 2018, 10:20 a.m.
Run Flows	520
Projects	BoteroExperimentalEvolution
Sample	BC17, BC26, BC19, BC36, BC18, BC20, BC21, BC22, BC25, BC35, BC31, BC28, BC30, BC34, BC33, BC32, BC24, BC29
Reference	
Instrument	sn247770187
Operation Mode	Customer mode
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip Barcode	DADJ01148
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Chip Lot Number	QPP313
Chip Wafer	05
Barcode Set	HCT_barcode_set_PU
Analysis Name	Auto_user_sn247770187-307-Botero_004A_03142018_460
Analysis Date	March 15, 2018, 5:37 p.m.
Analysis Flows	0
runID	BNV3V
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	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	March 15, 2018, 10:18 a.m.
Chef Instrument Name	CHEF00781
Chef Operation Mode	Customer Mode
Sample Position	2
Tip Rack Barcode	4732200D2
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	Oct2018
Chip Expiration 2	Oct2018
Templating Kit Type	Ion PI Hi-Q Chef Kit
Reagent Expiration	181031
Reagent Lot Number	1874656
Reagent Part Number	A27284C
Solution Lot Number	1871873
Solution Part Number	A27282C
Solution Expiration	180831
Templating Protocol Executed	(use instrument default)
Templating Protocol Planned	(use instrument default)
Chef Script Version	609
Chef Package Version	IC.5.6.0
Start Time	March 14, 2018, 2:49 p.m.
Completion Time	March 15, 2018, 10:18 a.m.

Software Version

Torrent_Suite	5.6.0
host	3YCZK02
ion-analysis	5.6.8-1
ion-chefupdates	5.6.0
ion-dbreports	5.6.37-1
ion-gpu	5.6.0-1
ion-pipeline	5.6.12-1
ion-plugins	5.6.16-1
ion-protonupdates	5.6.0
ion-s5updates	5.6.0
ion-torrentpy	5.6.8-1
ion-torrentr	5.6.8-1
Script	2.1.42
LiveView	2334
DataCollect	3536
OIA	5603
OS	33
Graphics	89
Ion_Chef	IC.5.6.0