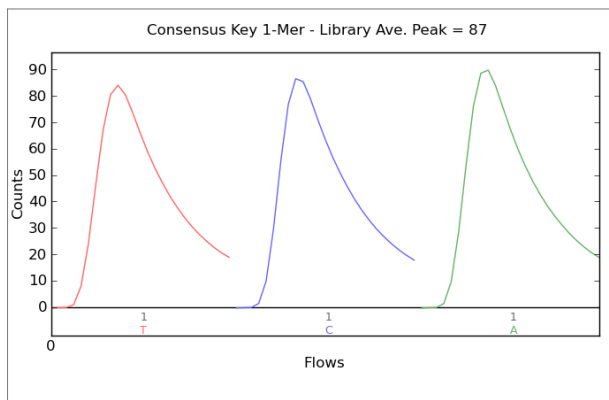
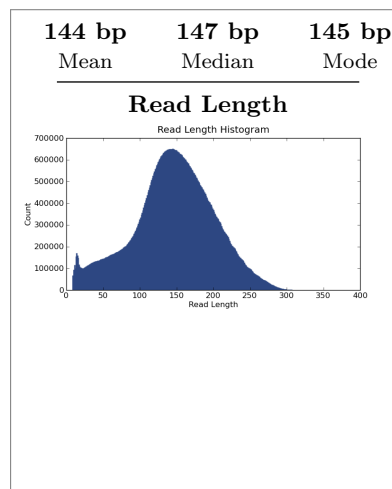
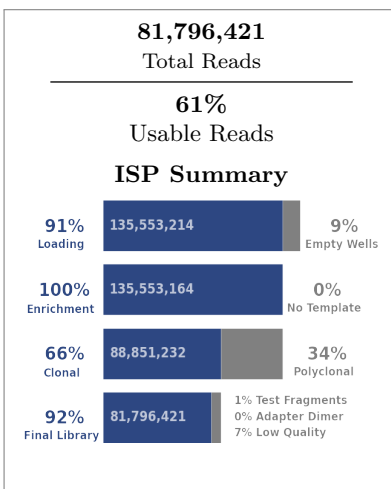
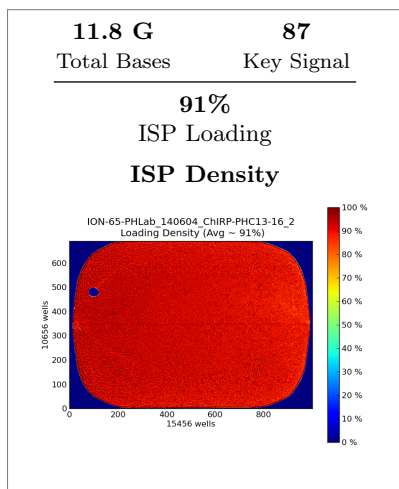


Run Summary



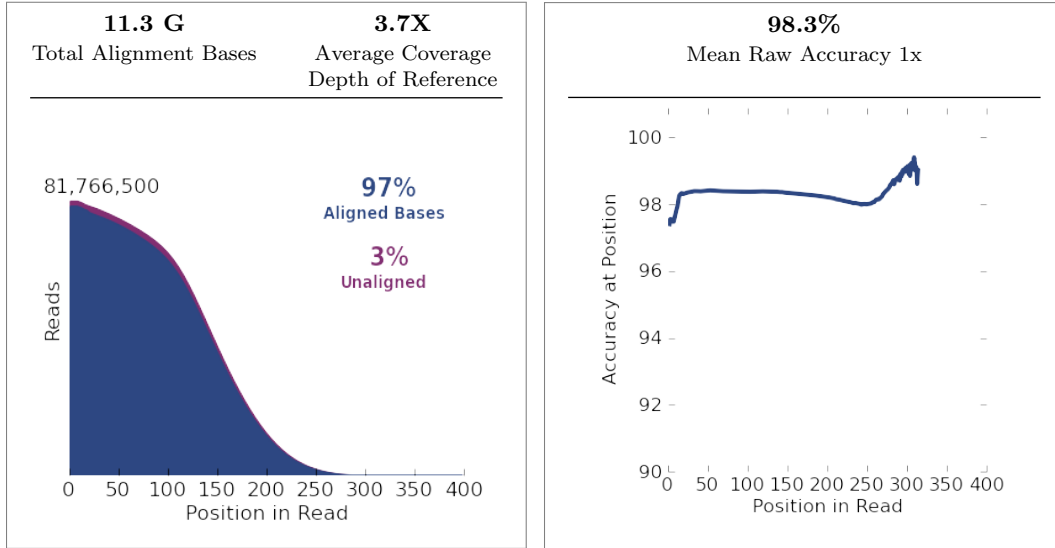
Addressable Wells		148,603,956
With ISPs	135,553,214	91.2%
Live	135,553,164	100.0%
Test Fragment	586,334	00.4%
Library	134,966,830	99.6%
Library ISPs		134,966,830
Filtered: Polyclonal	46,701,932	34.6%
Filtered: Low Quality	6,353,606	04.7%
Filtered: Primer Dimer	119,762	00.1%
Final Library ISPs	81,796,421	60.6%

Notes: PHlab_AG-4ChIRP_PHC13-Input-BC1_PHC14-odd2-BC2_PHC15-even2-BC3_PHC16-beads2-BC4

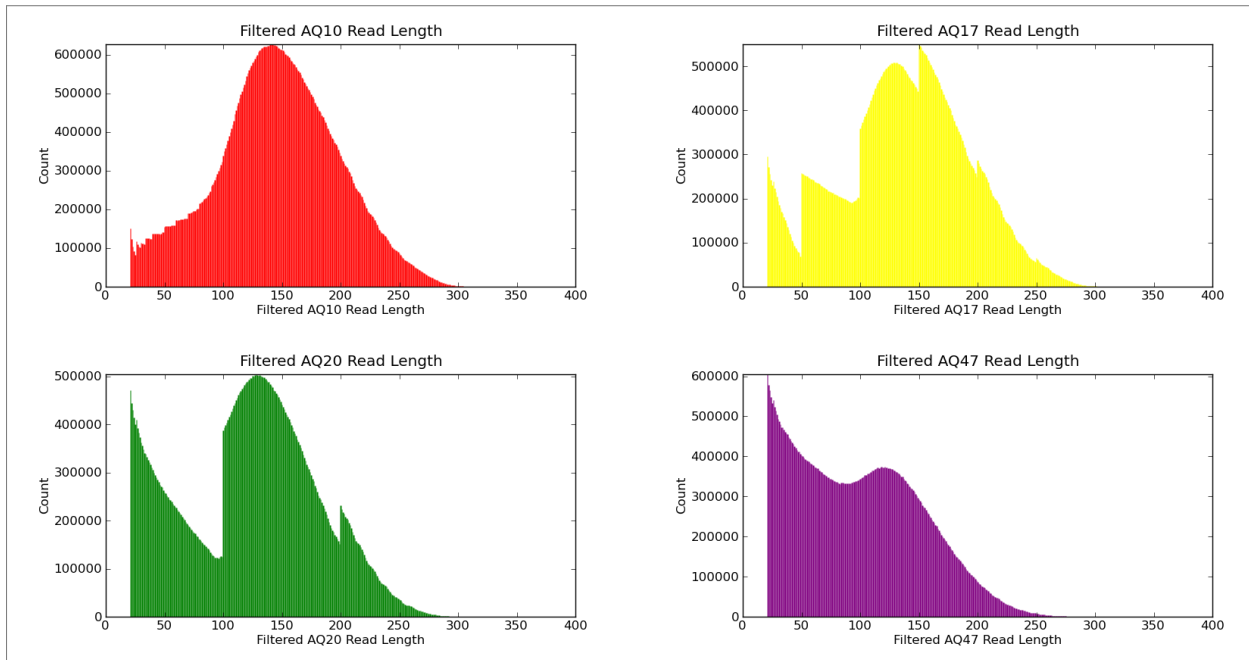
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	None	77,282,234	60,031,189	623,082	124 bp
IonXpress_001	PHC13	2,496,413,520	2,034,251,680	17,718,974	140 bp
IonXpress_002	PHC14	2,863,321,790	2,332,229,026	19,736,001	145 bp
IonXpress_003	PHC15	1,318,345,932	1,083,623,682	9,163,213	143 bp
IonXpress_004	PHC16	5,052,291,913	4,111,373,030	34,525,229	146 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	410,985	79%	

Alignment Summary *(aligned to Homo sapiens)*



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	9.3 G	7.8 G	5.9 G
Mean Length [bp]	137	123	98
Longest Alignment [bp]	330	327	316
Mean Coverage Depth	3.0	2.5	1.9



Analysis Details

Run Name	R_2014_06_04_05_34_50_user_ION-65-PHLab_140604_ChIRP-PHC13-16_2
Run Date	June 4, 2014, 5:36 a.m.
Run Flows	520
Projects	PHLab_ChIRP
Sample	PHC15, PHC14, PHC16, PHC13
Reference	
PGM	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_ION-65-PHLab_140604_ChIRP-PHC13-16_2_93
Analysis Date	June 4, 2014, 10:07 p.m.
Analysis Flows	0
runID	VVZEQ

Software Version

Torrent_Suite	4.0.2
host	FW7DQV1
ion-analysis	4.0.6-1
ion-dbreports	4.0.39-1
ion-gpu	4.0.0-1
ion-pipeline	4.0.12-1
ion-plugins	4.0.37-1
ion-protonupdates	4.0.3
ion-torrentr	4.0.4-1
LiveView	1720
DataCollect	2801
OIA	4000
OS	17
Graphics	30