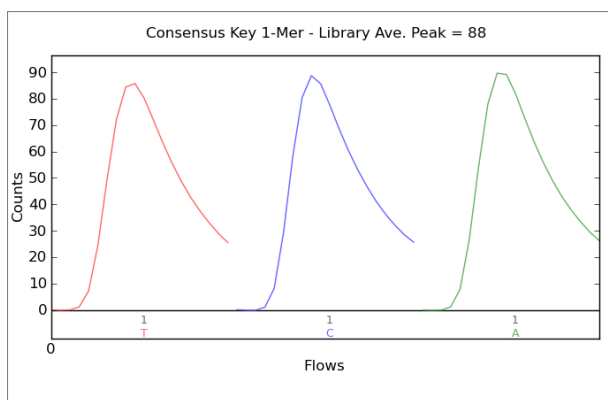
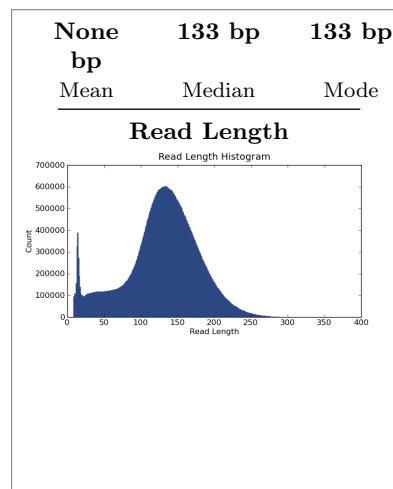
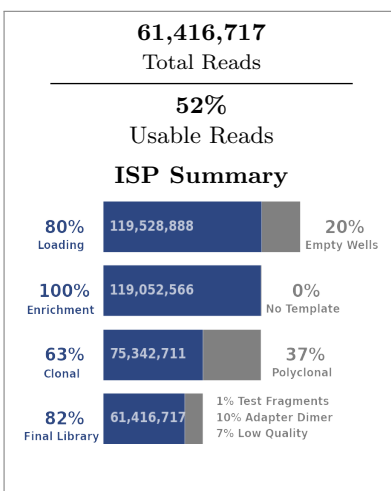
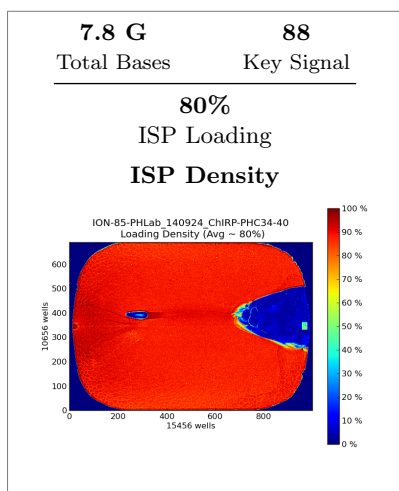


Run Summary



Addressable Wells	148,603,956	
With ISPs	119,528,888	80.4%
Live	119,052,566	99.6%
Test Fragment	424,993	00.4%
Library	118,627,573	99.6%

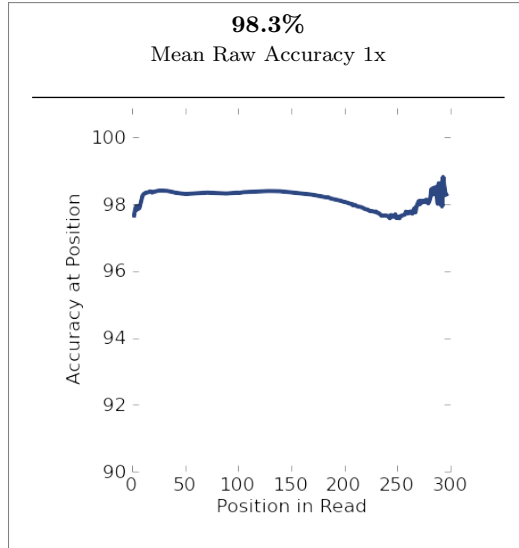
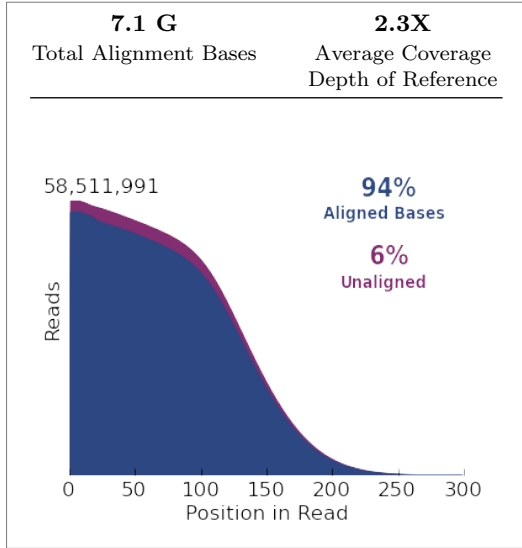
Library ISPs	118,627,573	
Filtered: Polyclonal	43,709,855	36.8%
Filtered: Low Quality	5,996,621	05.1%
Filtered: Primer Dimer	7,573,545	06.4%
Final Library ISPs	61,416,717	51.8%

Notes: PHlab_AG-16ChIRPsample_incPRDM16-LsBcatCon_PHC34-odd_PHC35-even_PHC36LacZ.lincASCL2-76con_PHC38-odd_PHC39-even_PHC40-beads

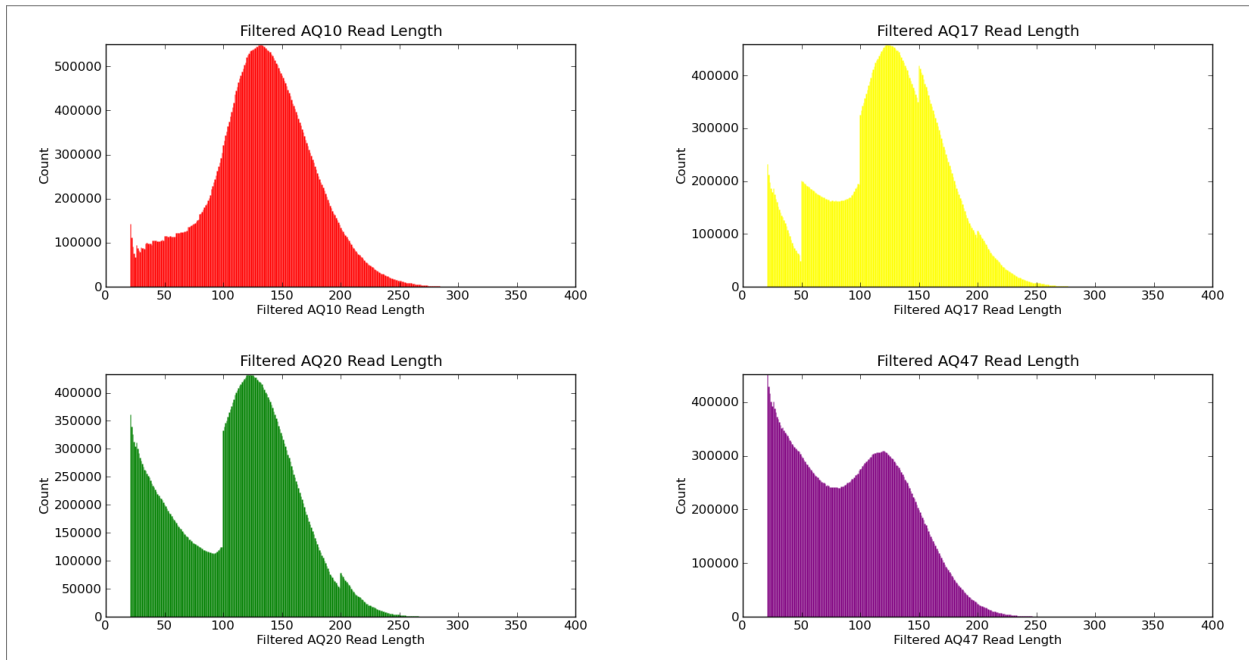
Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	235,193,968	163,093,796	2,824,259	83 bp
IonXpress_008	PHC40	1,165,337,010	957,009,389	9,083,524	128 bp
IonXpress_010	PHC34	1,038,746,665	852,091,960	8,126,666	127 bp
IonXpress_011	PHC35	1,551,307,639	1,254,017,471	11,844,194	130 bp
IonXpress_012	PHC36	1,073,634,929	883,925,550	8,013,648	133 bp
IonXpress_013	PHC38	1,591,032,734	1,300,620,903	12,286,426	129 bp
IonXpress_014	PHC39	1,201,026,345	987,309,165	9,157,533	131 bp

Test Fragment Reads Percent 50AQ17 Read Length Histogram

Alignment Summary *(aligned to Homo sapiens)*



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	5.8 G	4.9 G	3.9 G
Mean Length [bp]	123	111	92
Longest Alignment [bp]	320	320	294
Mean Coverage Depth	1.9	1.6	1.3



Analysis Details

Run Name	R_2014.09.24_11.05.26_user_ION-85-PHLab_140924_ChIRP-PHC34-40
Run Date	Sept. 24, 2014, 11:07 a.m.
Run Flows	520
Projects	PHLab_ChIRP
Sample	PHC36, PHC35, PHC34, PHC39, PHC38, PHC40
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-85-PHLab_140924_ChIRP-PHC34-40_126
Analysis Date	Sept. 24, 2014, 6:28 p.m.
Analysis Flows	0
runID	LY49N

Software Version

Torrent_Suite	4.2.1
host	FW7DQV1
ion-analysis	4.2.18-1
ion-chefupdates	4.2.0
ion-dbreports	4.2.22-1
ion-gpu	4.2.2-1
ion-pipeline	4.2.12-1
ion-plugins	4.2.28-1
ion-protonupdates	4.2.2
ion-torrentr	4.2.1-1
LiveView	1835
DataCollect	2929
OIA	4201
OS	21
Graphics	34