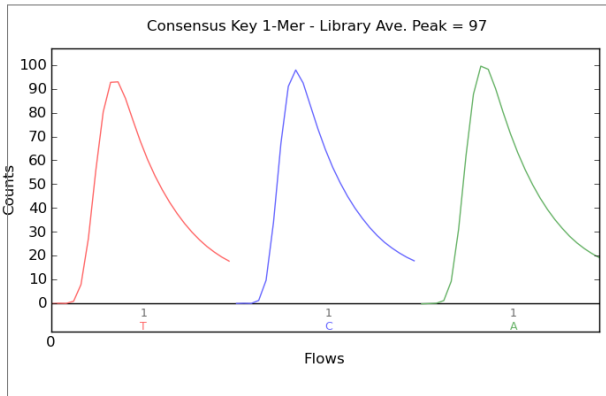
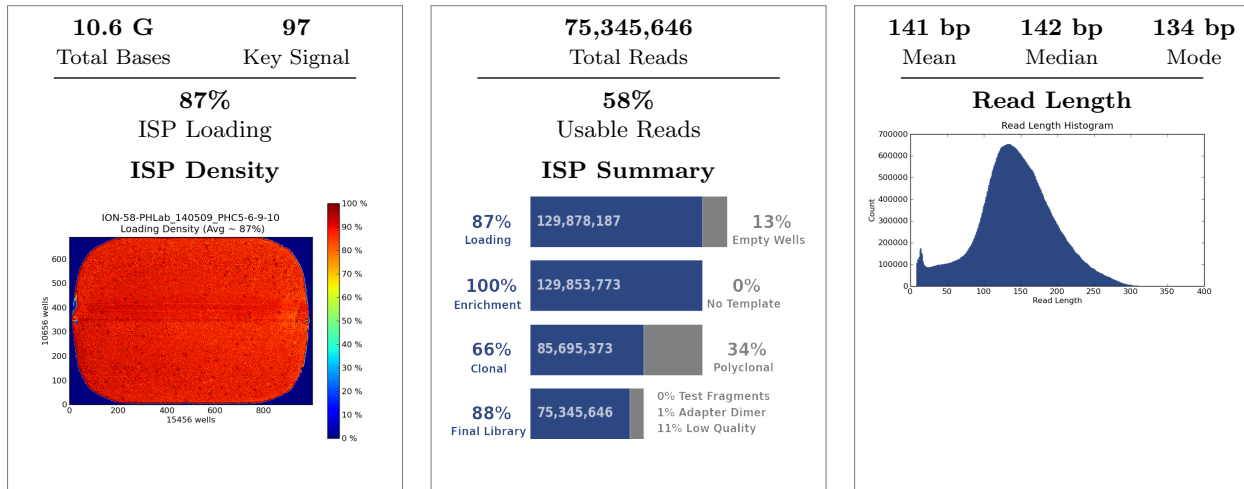


## Run Summary



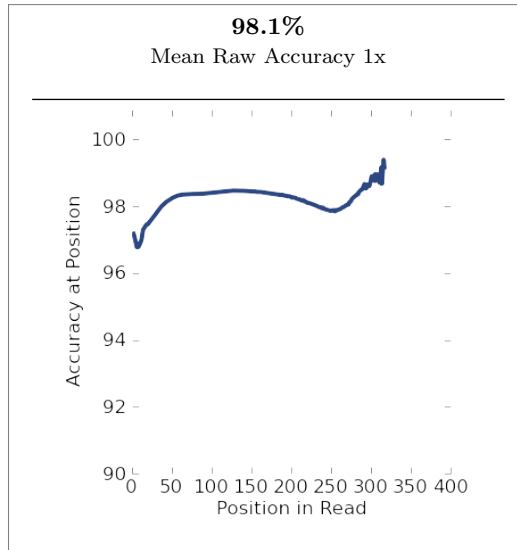
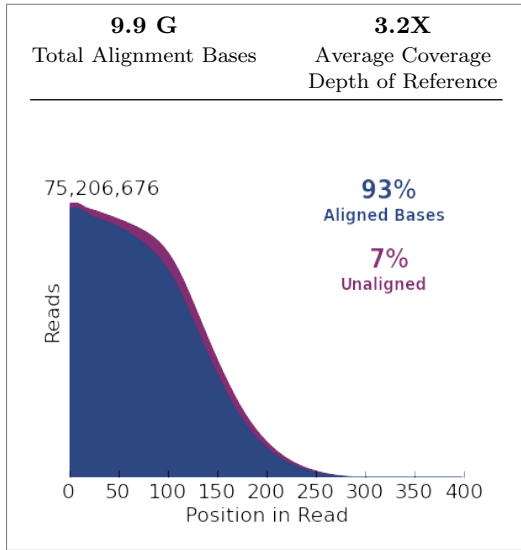
Addressable Wells		148,603,956
With ISPs	129,878,187	87.4%
Live	129,853,773	100.0%
Test Fragment	156,070	00.1%
Library	129,697,703	99.9%
Library ISPs		129,697,703
Filtered: Polyclonal	44,158,400	34.0%
Filtered: Low Quality	9,582,479	07.4%
Filtered: Primer Dimer	613,897	00.5%
<b>Final Library ISPs</b>	<b>75,345,646</b>	<b>58.1%</b>

Notes: PHlab\_8ChIPsamples\_INPUTcon-BC9\_INPUTdox-BC10\_BPcon-BC13\_BPdox-BC14

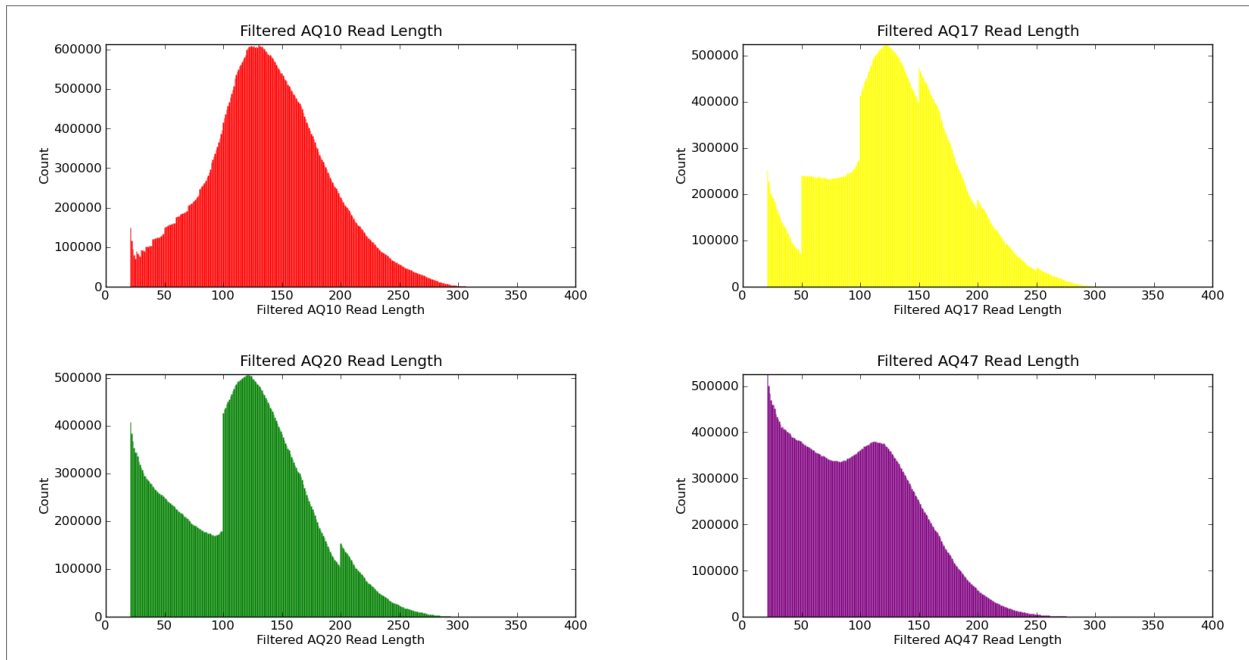
Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	None	69,435,327	56,145,748	567,360	122 bp
IonXpress_009	PHC5.INPUTcon	1,986,225,544	1,654,677,096	13,168,331	150 bp
IonXpress_010	PHC6.INPUTdox	2,209,164,481	1,838,622,448	15,226,585	145 bp
IonXpress_013	PHC9_BPcon	3,549,584,756	2,994,054,868	25,561,540	138 bp
IonXpress_014	PHC10_BPdox	2,838,444,324	2,412,061,618	20,682,859	137 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>12,120</b>	<b>84%</b>	

## Alignment Summary (*aligned to Homo sapiens*)



	AQ17	AQ20	Perfect
<b>Total Number of Bases [Mbp]</b>	8 G	6.8 G	5.3 G
<b>Mean Length [bp]</b>	129	117	96
<b>Longest Alignment [bp]</b>	339	339	329
<b>Mean Coverage Depth</b>	2.6	2.2	1.7



## Analysis Details

<b>Run Name</b>	R_2014.05.09_05.30.31_user_ION-58-PHLab_140509_PHC5-6-9-10
<b>Run Date</b>	May 9, 2014, 5:33 a.m.
<b>Run Flows</b>	520
<b>Projects</b>	PHLab_ChIPSeq
<b>Sample</b>	PHC10_BPdox, PHC5_INPUTcon, PHC6_INPUTdox, PHC9_BPcon
<b>Reference</b>	
<b>PGM</b>	IONAS
<b>Flow Order</b>	TACGTACGTCTGAGCATCGATCGATGTACAGC
<b>Library Key</b>	TCAG
<b>TF Key</b>	ATCG
<b>Chip Check</b>	Passed
<b>Chip Type</b>	P1.1.17
<b>Chip Data</b>	tiled
<b>Barcode Set</b>	IonXpress
<b>Analysis Name</b>	Auto_user_ION-58-PHLab_140509_PHC5-6-9-10_84
<b>Analysis Date</b>	May 9, 2014, 9:49 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	AH3FS

## Software Version

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