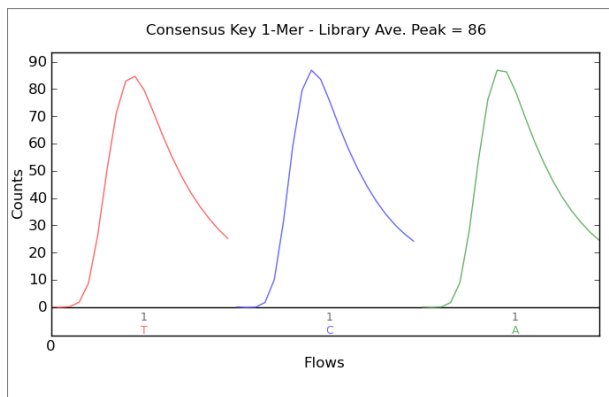
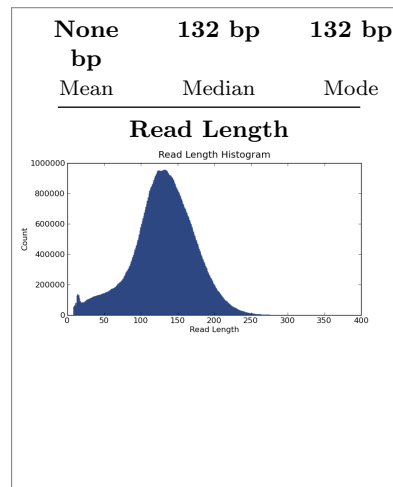
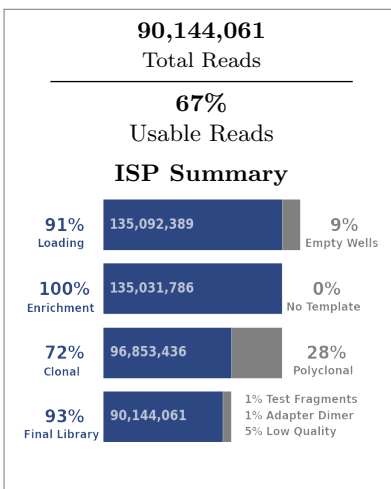
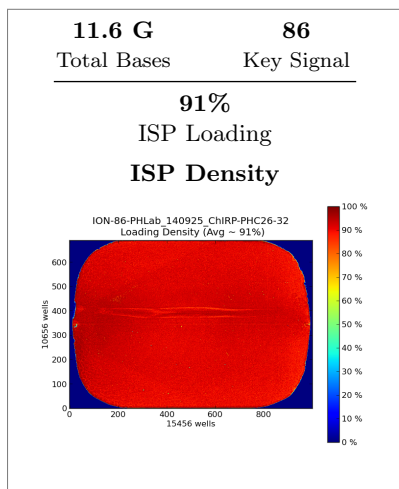


## Run Summary



<b>Addressable Wells</b>	<b>148,603,956</b>	
With ISPs	135,092,389	90.9%
Live	135,031,786	100.0%
Test Fragment	1,199,471	00.9%
Library	133,832,315	99.1%
<b>Library ISPs</b>	<b>133,832,315</b>	
Filtered: Polyclonal	38,178,350	28.5%
Filtered: Low Quality	4,142,786	03.1%
Filtered: Primer Dimer	1,442,380	01.1%
<b>Final Library ISPs</b>	<b>90,144,061</b>	<b>67.4%</b>

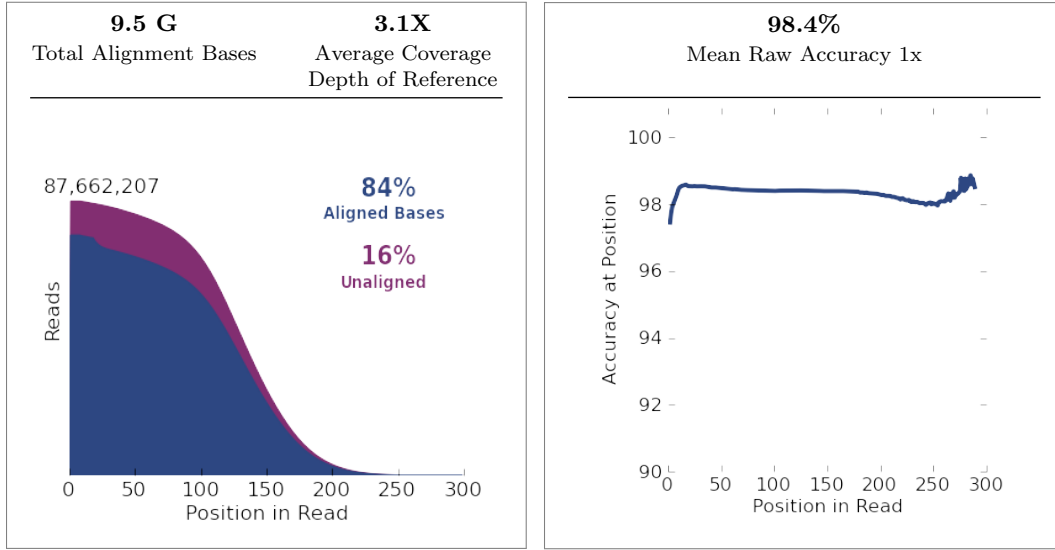
Notes: PHlab\_AG-16ChIRPsample\_LGR5Con\_PHC26-odd\_PHC27-even\_PHC28LacZ\_linclGSF9Dox\_PHC30-odd\_PHC31-even\_PHC32-beads

Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	250,296,155	191,232,514	2,218,157	112 bp
IonXpress_002	PHC26	1,864,851,461	1,540,139,843	14,103,719	132 bp
IonXpress_003	PHC27	1,817,460,609	1,521,975,782	14,122,858	128 bp
IonXpress_004	PHC28	1,819,322,864	1,503,027,621	13,912,072	130 bp
IonXpress_005	PHC30	1,806,235,887	1,486,865,671	13,815,379	130 bp
IonXpress_006	PHC31	2,133,339,611	1,767,563,483	16,637,810	128 bp
IonXpress_007	PHC32	1,918,994,091	1,611,365,354	15,070,369	127 bp

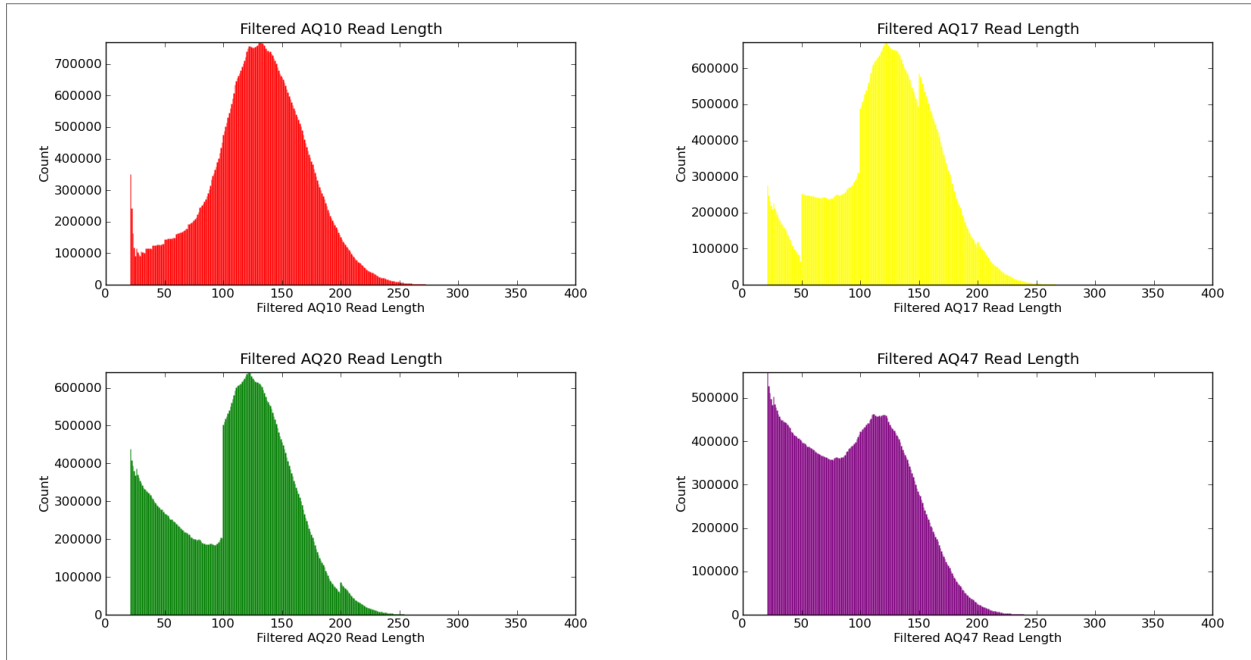
Test Fragment Reads Percent 50AQ17 Read Length Histogram



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



	AQ17	AQ20	Perfect
<b>Total Number of Bases [Mbp]</b>	8 G	6.8 G	5.5 G
<b>Mean Length [bp]</b>	122	111	93
<b>Longest Alignment [bp]</b>	307	303	298
<b>Mean Coverage Depth</b>	2.6	2.2	1.8



## Analysis Details

Run Name	R_2014.09.25_11.18.56_user_ION-86-PHLab_140925_ChIRP-PHC26-32
Run Date	Sept. 25, 2014, 11:20 a.m.
Run Flows	520
Projects	PHLab_ChIRP
Sample	PHC32, PHC31, PHC30, PHC28, PHC26, PHC27
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-86-PHLab_140925_ChIRP-PHC26-32_134
Analysis Date	Sept. 25, 2014, 7:57 p.m.
Analysis Flows	0
runID	GJ76H

## 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