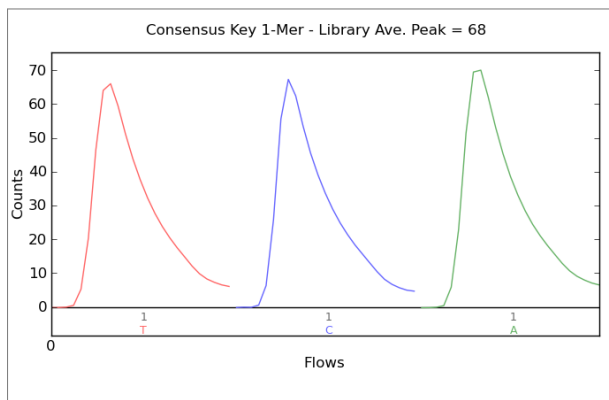
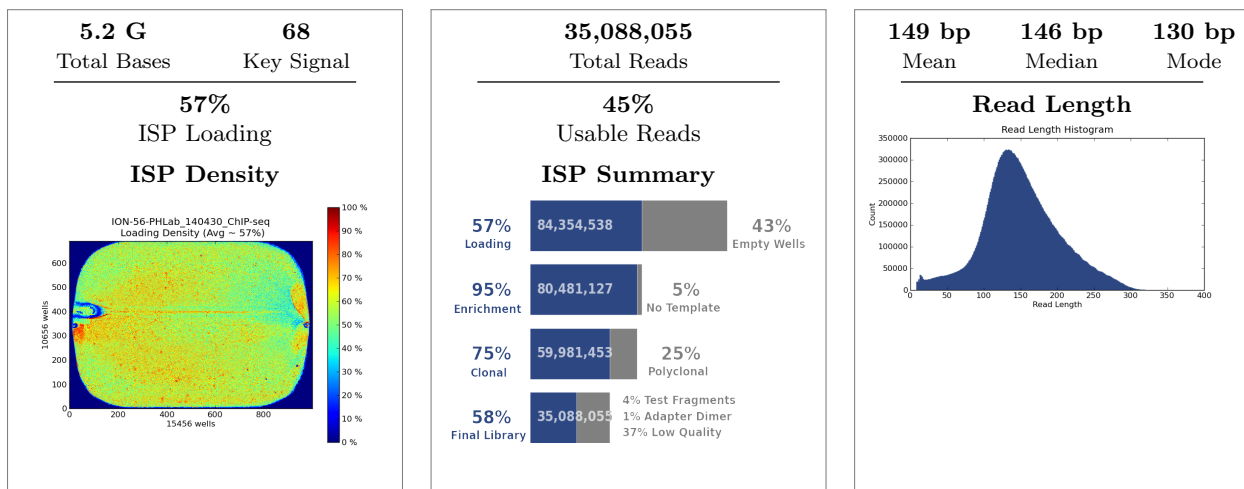


## Run Summary



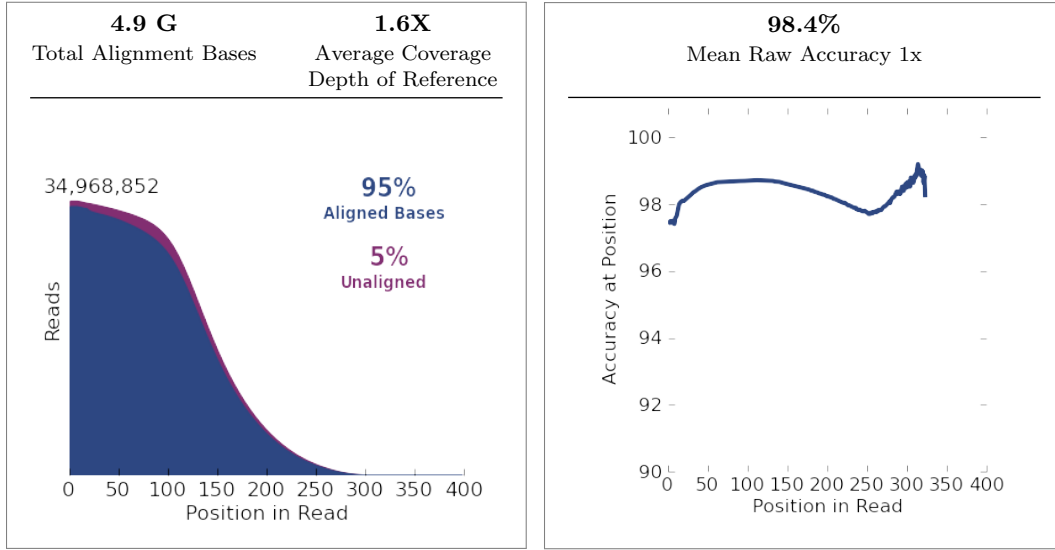
Addressable Wells	148,603,956	
With ISPs	84,354,538	56.8%
Live	80,481,127	95.4%
Test Fragment	2,347,505	02.9%
Library	78,133,622	97.1%
Library ISPs	78,133,622	
Filtered: Polyclonal	20,499,674	26.2%
Filtered: Low Quality	22,149,075	28.3%
Filtered: Primer Dimer	399,909	00.5%
<b>Final Library ISPs</b>	<b>35,088,055</b>	<b>44.9%</b>

Notes: PHlab\_4ChIPsamples\_Input-con-BC5\_Input-dox-BC6\_K27-con-BC7\_K27-dox-BC8

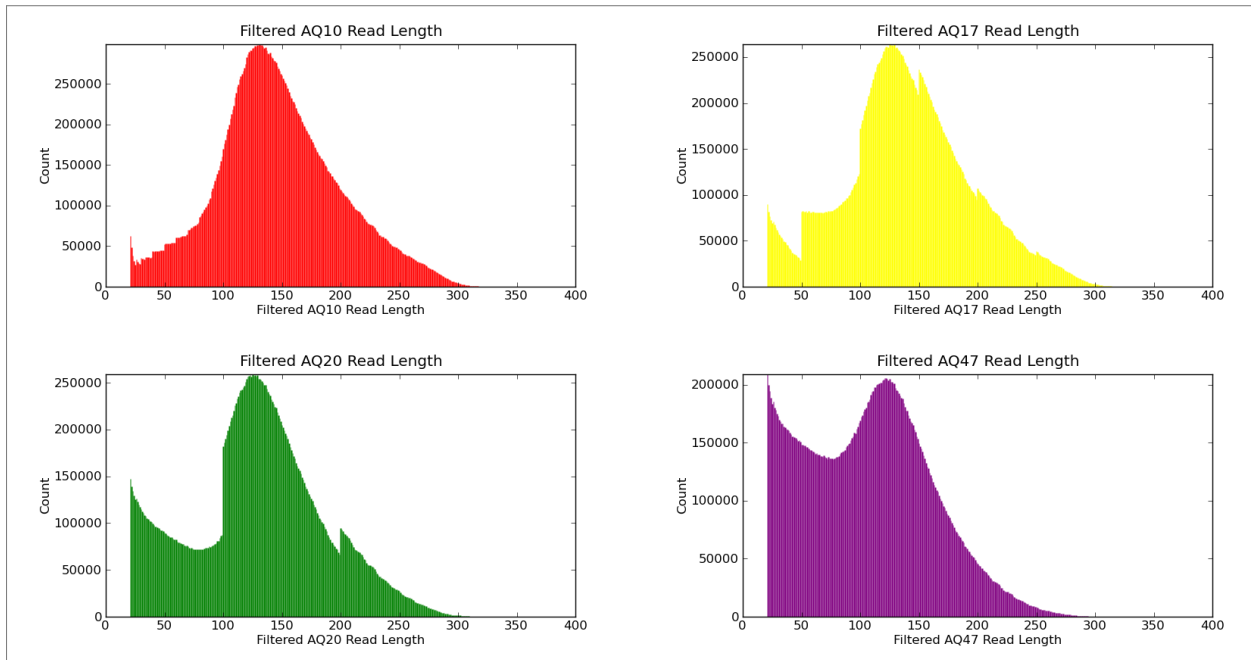
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	None	49,826,575	42,242,926	370,279	134 bp
IonXpress_005	1.INPUT-CON	1,944,386,249	1,725,664,465	12,689,650	153 bp
IonXpress_006	2.INPUT-DOX	885,521,342	791,054,863	6,049,083	146 bp
IonXpress_007	3.K27-CON	1,856,703,466	1,631,726,216	12,484,193	148 bp
IonXpress_008	4.K27-DOX	487,164,473	427,261,052	3,375,646	144 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>2,189,805</b>	<b>93%</b>	

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



	AQ17	AQ20	Perfect
<b>Total Number of Bases [Mbp]</b>	4.2 G	3.7 G	2.9 G
<b>Mean Length [bp]</b>	140	130	107
<b>Longest Alignment [bp]</b>	345	344	339
<b>Mean Coverage Depth</b>	1.4	1.2	1.0



## Analysis Details

Run Name	R_2014.04.30_05.24.09_user_ION-56-PHLab_140430_ChIP-seq
Run Date	April 30, 2014, 5:27 a.m.
Run Flows	520
Projects	PHLab_ChIPSeq
Sample	3_K27-CON, 1_INPUT-CON, 4_K27-DOX, 2_INPUT-DOX
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-56-PHLab_140430_ChIP-seq_82
Analysis Date	April 30, 2014, 7:21 p.m.
Analysis Flows	0
runID	E55B6

## 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