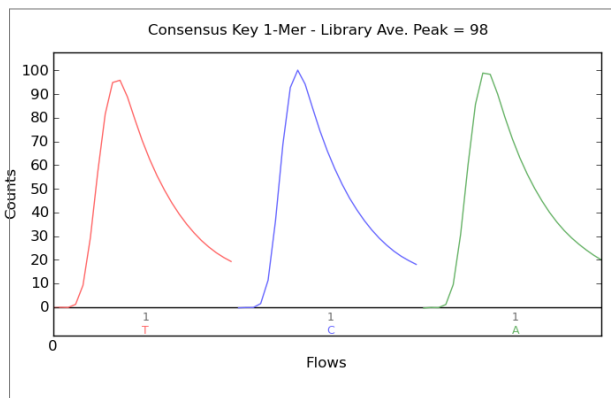
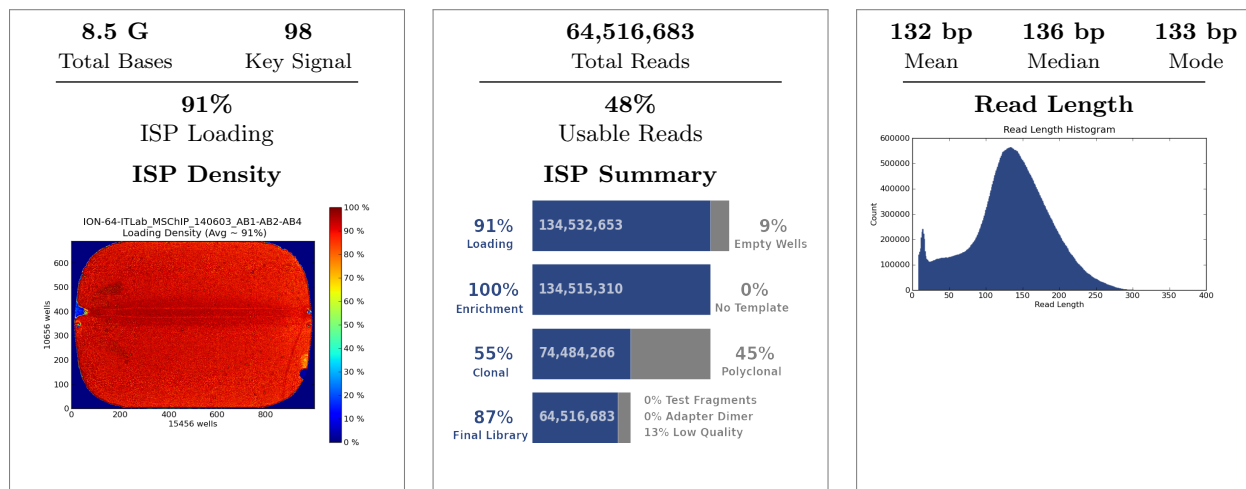


## Run Summary



Addressable Wells	148,603,956	
With ISPs	134,532,653	90.5%
Live	134,515,310	100.0%
Test Fragment	288,547	00.2%
Library	134,226,763	99.8%
Library ISPs	134,226,763	
Filtered: Polyclonal	60,031,044	44.7%
Filtered: Low Quality	9,542,125	07.1%
Filtered: Primer Dimer	208,916	00.2%
<b>Final Library ISPs</b>	<b>64,516,683</b>	<b>48.1%</b>

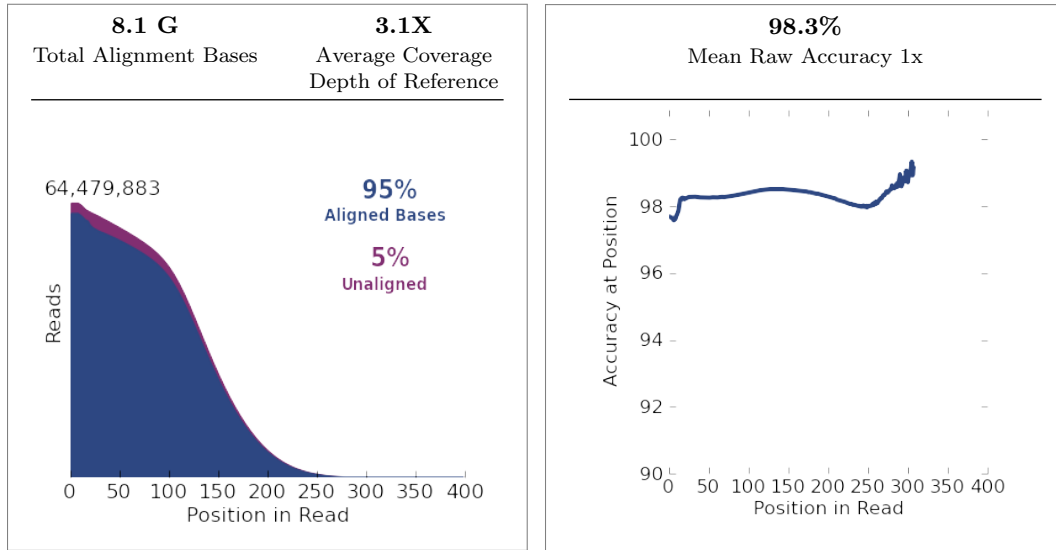
Notes: ITLab\_MS-4ChIPsrepeat\_2input\_A1-SMYD3-Liver-BC5\_B1-SMYD3-Liver-BC6\_A2-POLII-Liver-BC9\_B2-POLII-Liver-BC10\_AB4-Input-BC13-14

Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	None	101,537,726	74,848,506	1,030,540	98 bp
IonXpress_005	A1	1,410,141,977	1,155,601,577	10,281,393	137 bp
IonXpress_006	B1	357,196,069	292,113,325	2,731,870	130 bp
IonXpress_009	A2	1,558,156,921	1,272,308,693	11,369,366	137 bp
IonXpress_010	B2	1,114,540,847	908,131,847	8,497,753	131 bp
IonXpress_013	A4	2,224,984,133	1,830,354,588	16,936,642	131 bp
IonXpress_014	B4	1,795,341,636	1,473,341,845	13,632,318	131 bp

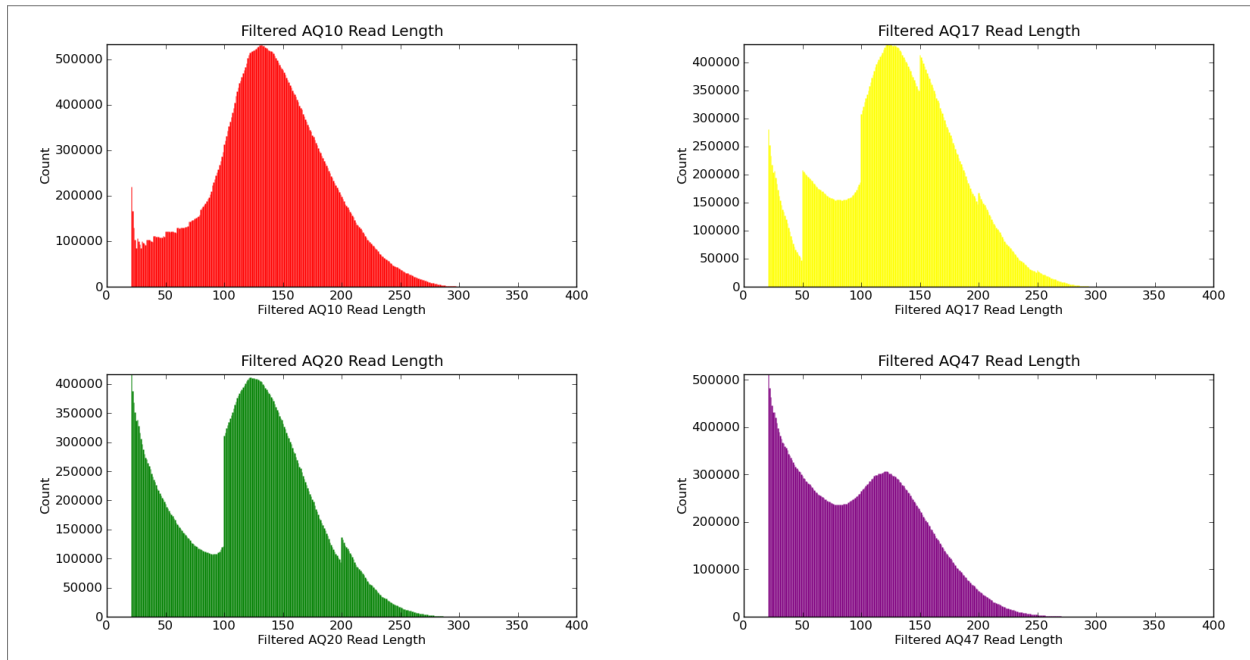
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>192,626</b>	<b>79%</b>	



## Alignment Summary *(aligned to Mus musculus)*



	AQ17	AQ20	Perfect
<b>Total Number of Bases [Mbp]</b>	6.5 G	5.6 G	4.4 G
<b>Mean Length [bp]</b>	130	118	97
<b>Longest Alignment [bp]</b>	327	324	315
<b>Mean Coverage Depth</b>	2.5	2.1	1.7



## Analysis Details

<b>Run Name</b>	R_2014_06_03_06_10_03_user_ION-64-ITLab_MSChIP_140603_AB1-AB2-AB4
<b>Run Date</b>	June 3, 2014, 6:11 a.m.
<b>Run Flows</b>	520
<b>Projects</b>	ITLab_ChipSeq
<b>Sample</b>	B4, A1, A2, B1, B2, A4
<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-64-ITLab_MSChIP_140603_AB1-AB2-AB4_92
<b>Analysis Date</b>	June 3, 2014, 9:27 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	D63S3

## 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