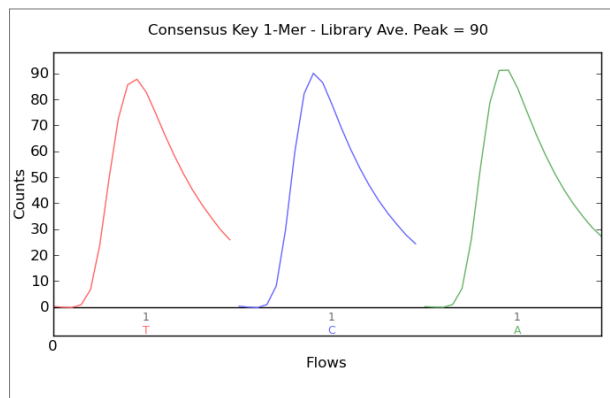
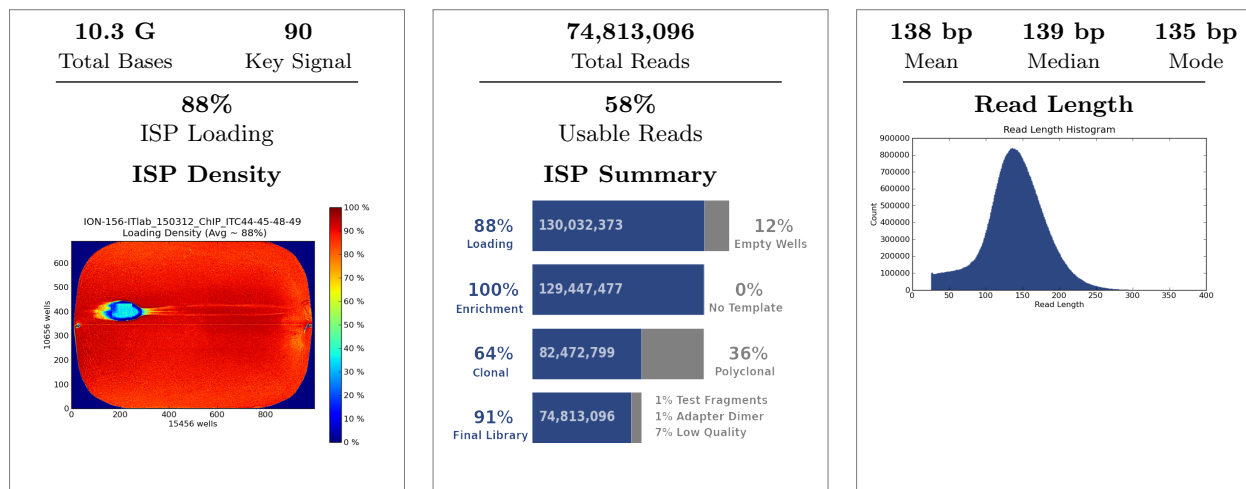


## Run Summary



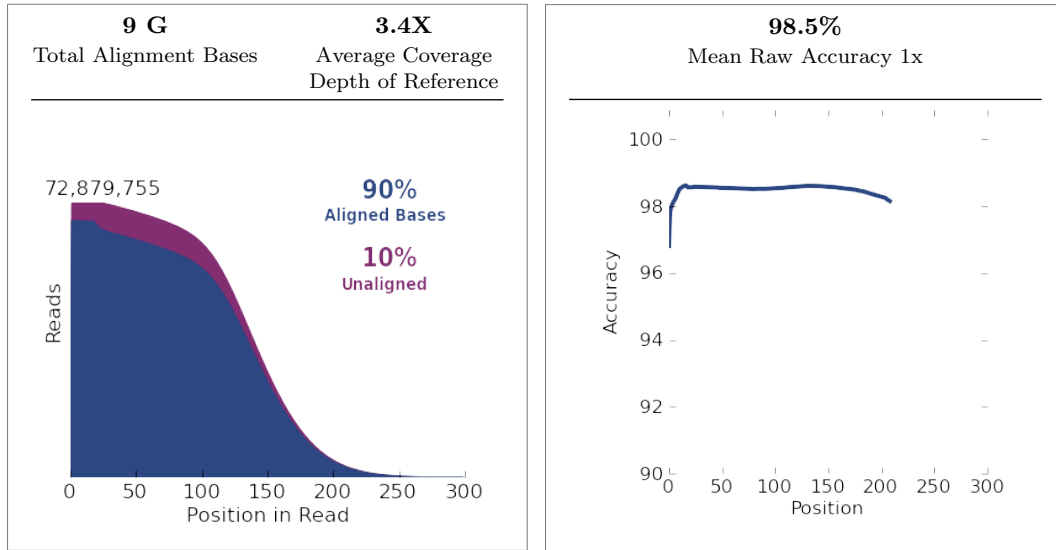
Addressable Wells	148,603,956	
With ISPs	130,032,373	87.5%
Live	129,447,477	99.6%
Test Fragment	899,009	00.7%
Library	128,548,468	99.3%
Library ISPs	128,548,468	
Filtered: Polyclonal	46,974,678	36.5%
Filtered: Low Quality	7,993,745	06.2%
Filtered: Primer Dimer	572,183	00.4%
<b>Final Library ISPs</b>	<b>74,813,096</b>	<b>58.2%</b>

Notes: ITlab\_10-ITsamples\_ITC44-wt1Input-bc2\_ITC45-wt2Input-bc3\_ITC48-wt1SET8-bc8\_ITC49-wt2SET8-bc10

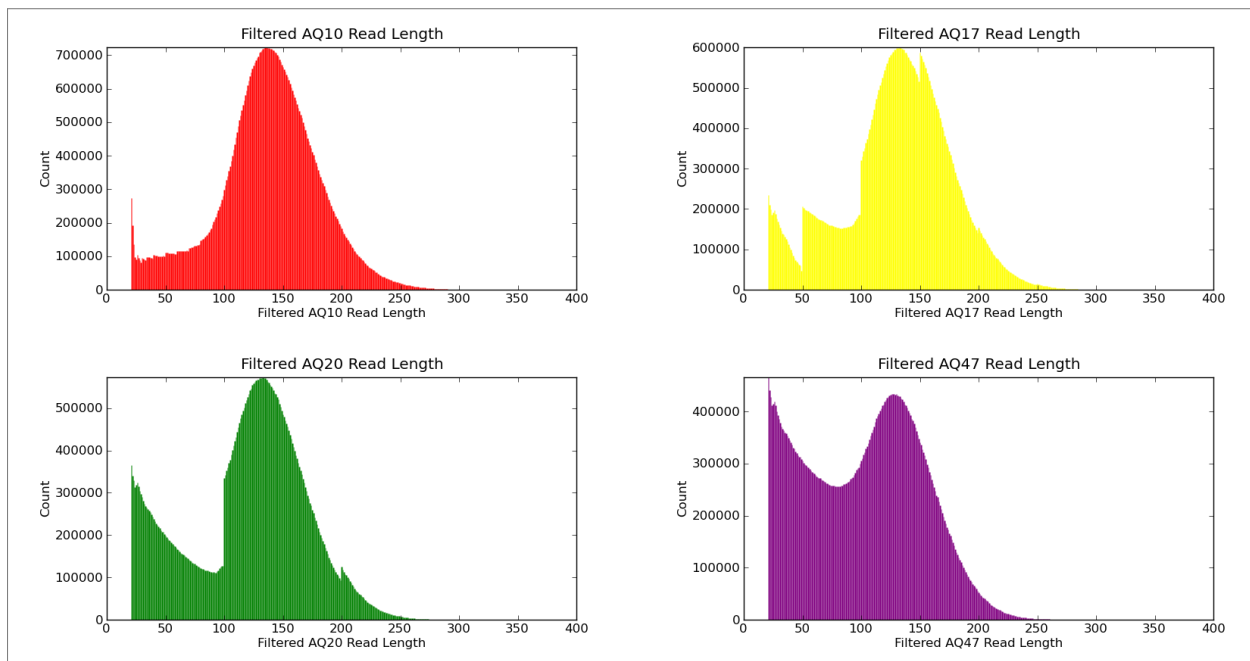
Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	239,354,271	183,676,940	1,874,716	128 bp
IonXpress_002	ITC44-wt1Input	3,473,429,220	2,943,404,891	24,498,715	142 bp
IonXpress_003	ITC45-wt2Input	2,031,239,150	1,735,201,638	14,465,915	140 bp
IonXpress_008	ITC48-wt1SET8	2,280,701,874	1,987,533,947	16,845,668	135 bp
IonXpress_010	ITC49-wt2SET8	2,311,907,062	2,015,004,122	17,069,457	135 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>809,746</b>	<b>82%</b>	

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



	AQ17	AQ20	Perfect
<b>Total Number of Bases [Mbp]</b>	7.7 G	6.7 G	5.5 G
<b>Mean Length [bp]</b>	130	120	102
<b>Longest Alignment [bp]</b>	333	324	314
<b>Mean Coverage Depth</b>	2.9	2.5	2.1



## Analysis Details

<b>Run Name</b>	R_2015.03.12_12.59.17_user_ION-156-ITlab_150312_Chip_ITC44-45-48-49
<b>Run Date</b>	March 12, 2015, 1:01 p.m.
<b>Run Flows</b>	520
<b>Projects</b>	ITLab_ChipSeq
<b>Sample</b>	ITC49-wt2SET8, ITC48-wt1SET8, ITC45-wt2Input, ITC44-wt1Input
<b>Reference</b>	
<b>Instrument</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-156-ITlab_150312_Chip_ITC44-45-48-49_221
<b>Analysis Date</b>	March 12, 2015, 9:31 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	BRUU9

## Chef Summary

Ion Chef was not used for this run |

## Software Version

<b>Torrent_Suite</b>	4.4
<b>host</b>	FW7DQV1
<b>ion-analysis</b>	4.4.6-1
<b>ion-chefupdates</b>	4.4.3
<b>ion-dbreports</b>	4.4.22-1
<b>ion-gpu</b>	4.4.1-1
<b>ion-pipeline</b>	4.4.9-1
<b>ion-plugins</b>	4.4.12-1
<b>ion-protonupdates</b>	4.4.3
<b>ion-torrentr</b>	4.4.0-1
<b>LiveView</b>	1930
<b>DataCollect</b>	3030
<b>OIA</b>	4402
<b>OS</b>	27
<b>Graphics</b>	38