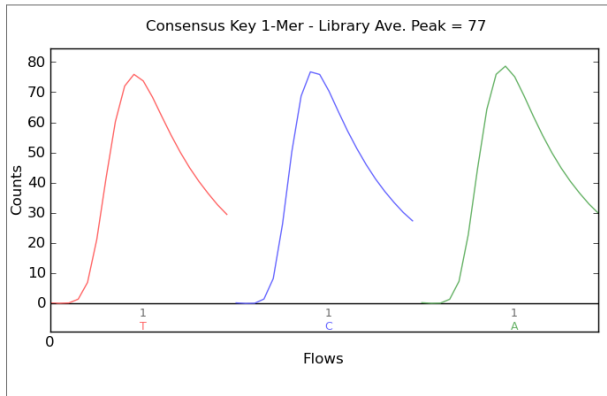
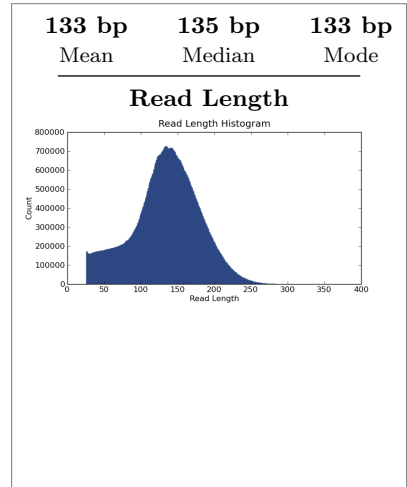
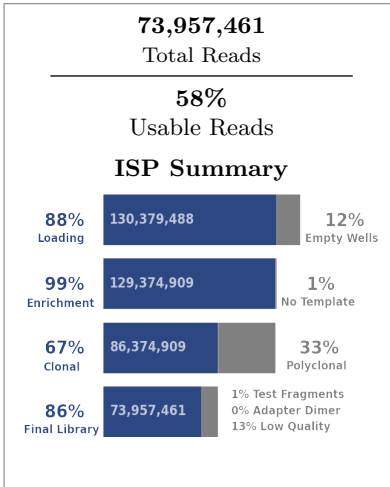
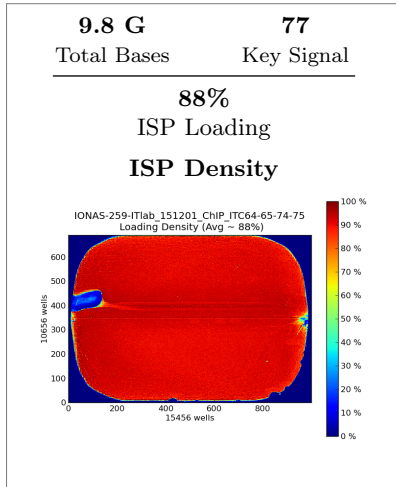


## Run Summary



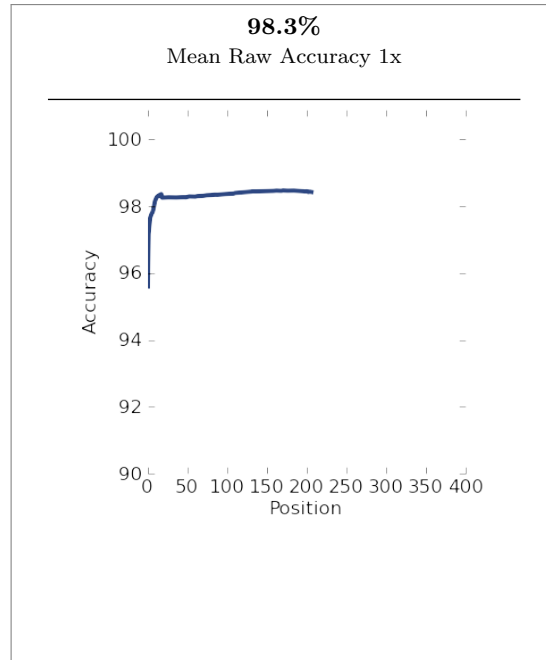
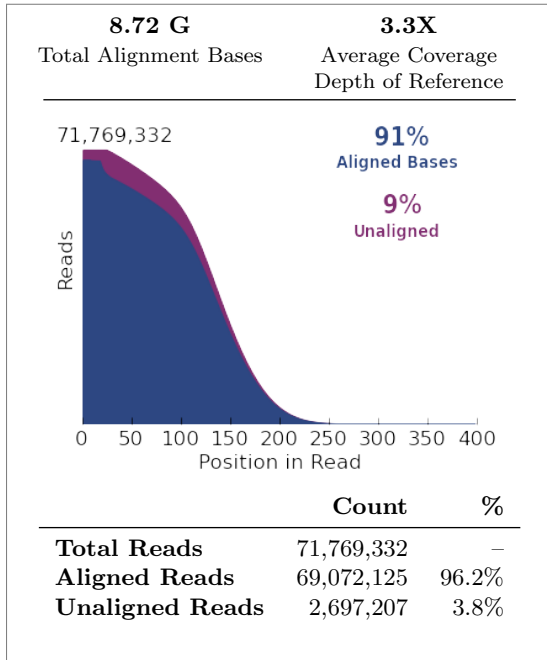
<b>Addressable Wells</b>	<b>148,155,732</b>	
With ISPs	130,379,488	88.0%
Live	129,374,909	99.2%
Test Fragment	1,374,034	01.1%
Library	128,000,875	98.9%
<b>Library ISPs</b>	<b>128,000,875</b>	
Filtered: Polyclonal	43,000,000	33.6%
Filtered: Low Quality	10,926,338	08.5%
Filtered: Adapter Dimer	190,473	00.1%
<b>Final Library ISPs</b>	<b>73,957,461</b>	<b>57.8%</b>

Notes: ITlab\_4-KNsamples-RepeatSeq-ION158-197\_ITC64-wt1PHF8-bc11\_ITC65-wt2PHF8-bc12\_ITC74-Set8ko1PHF8-bc5\_ITC75-Set8ko2PHF8-bc6

Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	241,751,639	176,141,676	2,167,949	112 bp
IonXpress_005	ITC74-Set8ko1PHF8	3,164,760,676	2,573,062,684	23,616,217	134 bp
IonXpress_006	ITC75-Set8ko2PHF8	2,628,127,999	2,136,328,307	19,722,302	133 bp
IonXpress_011	ITC64-wt1PHF8	1,763,271,701	1,438,144,236	13,286,420	133 bp
IonXpress_012	ITC65-wt2PHF8	2,001,485,965	1,647,361,850	15,144,393	132 bp

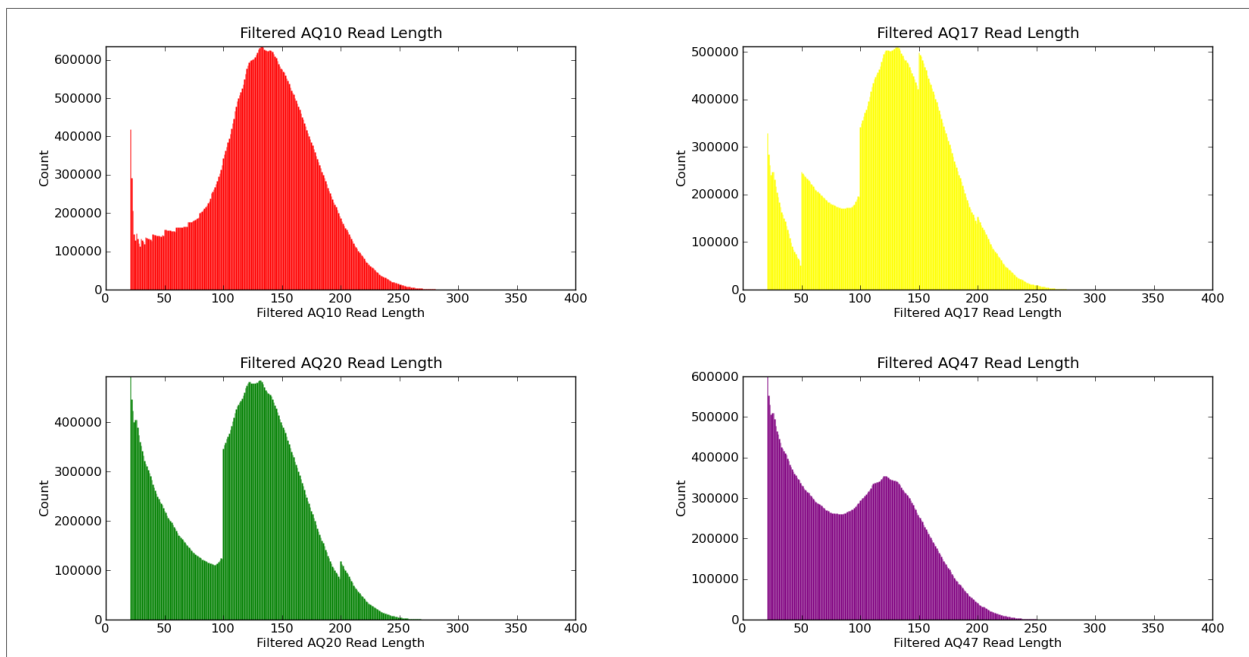
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>948,066</b>	<b>74%</b>	

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



**Alignment Quality**

	AQ17	AQ20	Perfect
<b>Total Number of Bases [Mbp]</b>	7.09 G	6 G	4.73 G
<b>Mean Length [bp]</b>	126	114	94
<b>Longest Alignment [bp]</b>	321	319	302
<b>Mean Coverage Depth</b>	2.7	2.3	1.8



## Analysis Details

<b>Run Name</b>	R_2015_12_01_11_54_33_user_IONAS-259-ITlab_151201_ChIP_ITC64-65-74-75
<b>Run Date</b>	Dec. 1, 2015, 11:56 a.m.
<b>Run Flows</b>	520
<b>Projects</b>	ITLab_ChipSeq
<b>Sample</b>	ITC65-wt2PHF8, ITC74-Set8ko1PHF8, ITC75-Set8ko2PHF8, ITC64-wt1PHF8
<b>Reference</b>	
<b>Instrument</b>	IONAS
<b>Flow Order</b>	TACGTACGTCTGAGCATCGATCGATGTACAGC
<b>Library Key</b>	TCAG
<b>TF Key</b>	ATCG
<b>Chip ID</b>	
<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_IONAS-259-ITlab_151201_ChIP_ITC64-65-74-75_349
<b>Analysis Date</b>	Dec. 1, 2015, 8:12 p.m.
<b>Analysis Flows</b>	0
<b>runID</b>	74RDN
<b>BeadFind Args</b>	justBeadFind -beadfind-minlivesnr 3 -region-size=216,224 -total-timeout 600
<b>Analysis Args</b>	Analysis -from-beadfind -clonal-filter-bkgmodel true -region-size=216,224 -bkg-bfmask-update false -gpuWorkLoad 1 -total-timeout 600 -gopt /opt/ion/config/gopt_p1.1.17_ampleseq_xome.param.json
<b>Pre-BaseCaller Args for calibration</b>	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -max-phasing-levels 2
<b>Calibration Args</b>	Calibration
<b>BaseCaller Args</b>	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -num-unfiltered 1000 -barcode-filter-postpone 1
<b>Alignment Args</b>	tmap mapall ... stage1 map4
<b>IonStats Args</b>	ionstats alignment
<b>Analysis Parameters</b>	default

## Chef Summary

Ion Chef was not used for this run |

## Software Version

<b>Torrent_Suite</b>	5.0.2
<b>host</b>	FW7DQV1
<b>ion-analysis</b>	5.0.7-1
<b>ion-chefupdates</b>	5.0.1
<b>ion-dbreports</b>	5.0.19-1
<b>ion-gpu</b>	5.0.0-1
<b>ion-pipeline</b>	5.0.12-1
<b>ion-plugins</b>	5.0.17-1
<b>ion-protonupdates</b>	5.0.2
<b>ion-torrentr</b>	5.0.0-1
<b>Script</b>	2.1.33
<b>LiveView</b>	2040
<b>DataCollect</b>	3191
<b>OIA</b>	5002
<b>OS</b>	29
<b>Graphics</b>	52