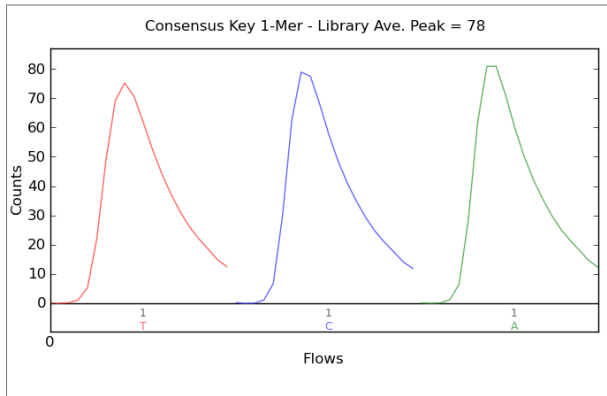
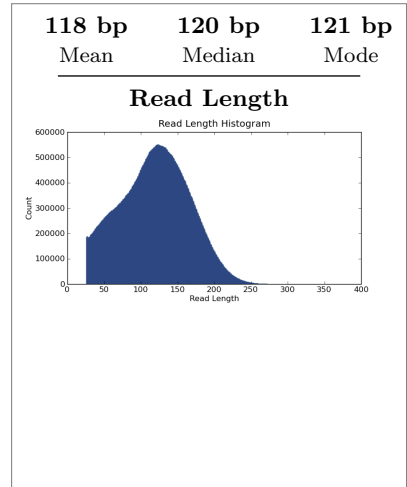
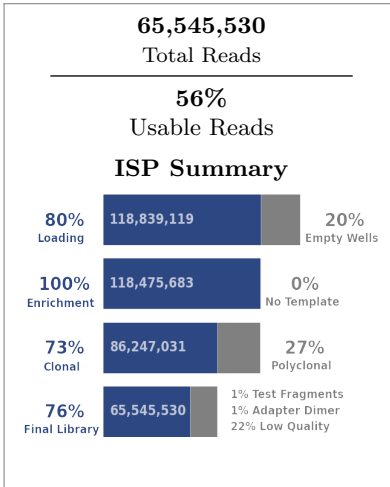
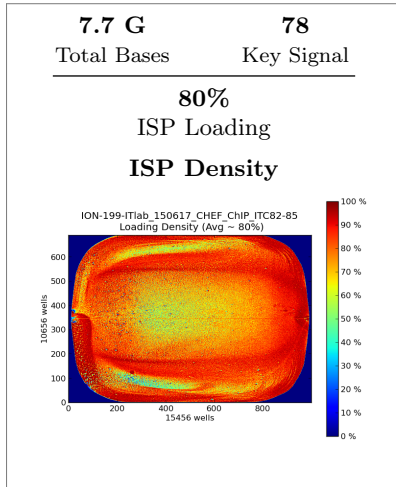


Run Summary



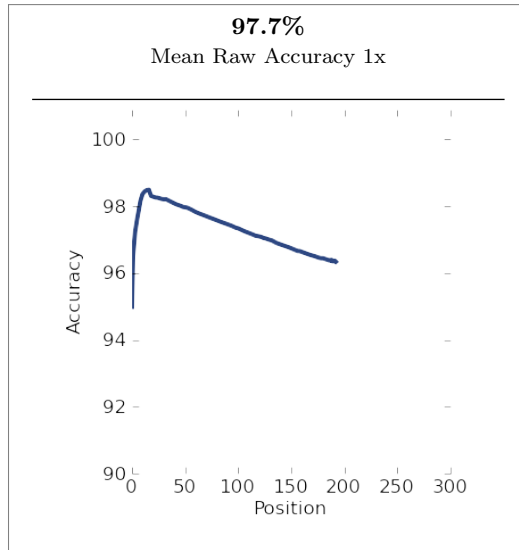
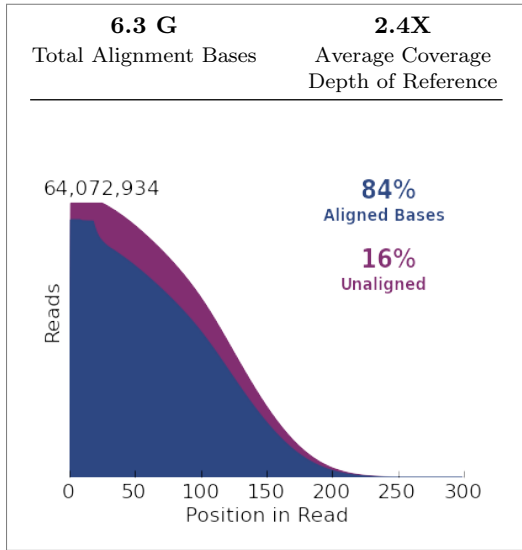
Addressable Wells	148,603,956	
With ISPs	118,839,119	80.0%
Live	118,475,683	99.7%
Test Fragment	1,004,899	00.8%
Library	117,470,784	99.2%
Library ISPs	117,470,784	
Filtered: Polyclonal	32,228,652	27.4%
Filtered: Low Quality	20,188,231	17.2%
Filtered: Primer Dimer	851,920	00.7%
Final Library ISPs	65,545,530	55.8%

Notes: ITlab_20-ITsamples_ITC82-Tub1H4K91-bc1_ITC83-Tub2H4K91-bc2_ITC84-Tub1Smyd-bc3_ITC85-Tub2Smyd-bc4_CHEF

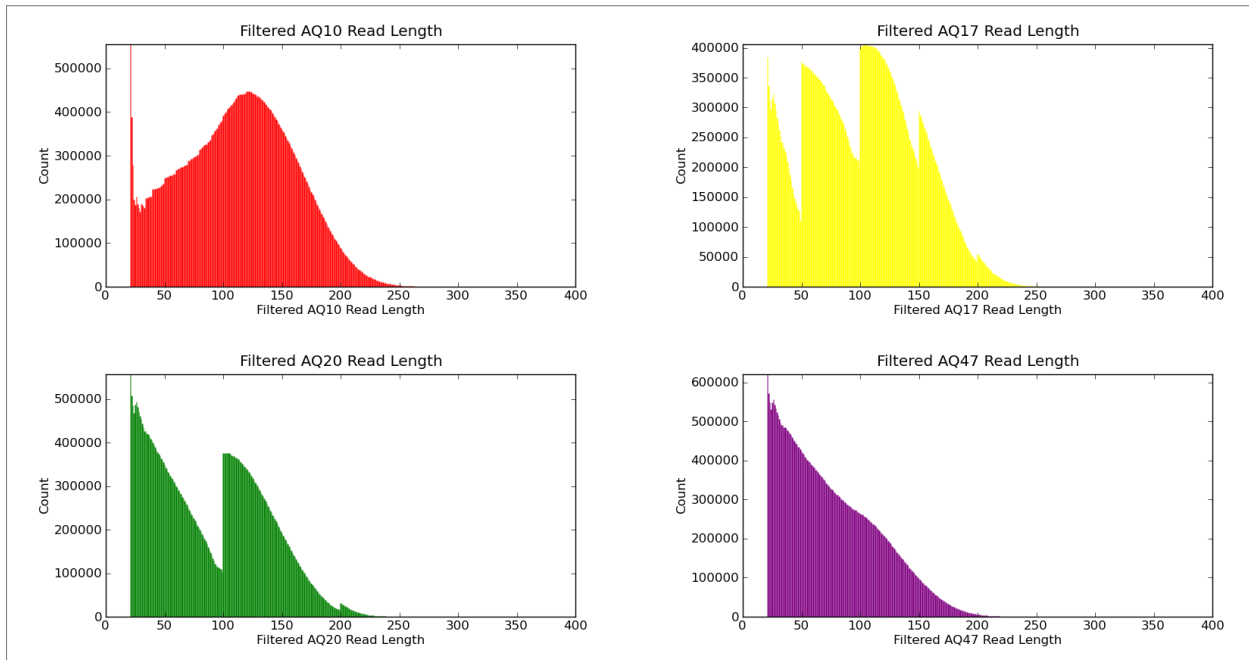
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	161,760,133	117,676,926	1,430,484	113 bp
IonXpress_001	ITC82-Tub1H4K91	2,448,389,502	1,856,744,532	20,729,613	118 bp
IonXpress_002	ITC83-Tub2H4K91	1,551,142,443	1,198,079,747	13,942,213	111 bp
IonXpress_003	ITC84-Tub1Smyd	1,909,145,056	1,498,413,467	15,629,460	122 bp
IonXpress_004	ITC85-Tub2Smyd	1,670,918,011	1,307,423,282	13,771,648	121 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	947,949	74%	

Alignment Summary *(aligned to Mus musculus)*



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	4.8 G	3.8 G	3.1 G
Mean Length [bp]	102	88	74
Longest Alignment [bp]	305	299	275
Mean Coverage Depth	1.8	1.5	1.2



Analysis Details

Run Name	R_2015_06_18_15_59_11_user_ION-199-ITlab_150617-CHEF_Chip_ITC82-85
Run Date	June 18, 2015, 4:24 p.m.
Run Flows	520
Projects	ITLab_ChIPSeq_CHEF
Sample	ITC84-Tub1Smyd, ITC82-Tub1H4K91, ITC85-Tub2Smyd, ITC83-Tub2H4K91
Reference	
Instrument	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-199-ITlab_150617-CHEF_Chip_ITC82-85_279
Analysis Date	June 19, 2015, 6:21 a.m.
Analysis Flows	0
runID	TZ7EY

Chef Summary

Chef Instrument Name	CHEF00509
Sample Position	1
Tip Rack Barcode	24C0600D2
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	Feb2016
Chip Expiration 2	Feb2016
Templating Kit Type	ION PROTON IC 200 KIT
Reagent Expiration	150812
Reagent Lot Number	0023442
Reagent Part Number	100023442
Solution Lot Number	0022894
Solution Part Number	100022894
Solution Expiration	150808
Chef Version	IC.4.4.2
Chef Software Last Update Date	June 18, 2015, 9:03 a.m.

Software Version

Torrent_Suite	4.4.3
host	FW7DQV1
ion-analysis	4.4.11-1
ion-chefupdates	4.4.5
ion-dbreports	4.4.38-1
ion-gpu	4.4.1-1
ion-pipeline	4.4.15-1
ion-plugins	4.4.23-1
ion-protonupdates	4.4.3
ion-torrentr	4.4.0-1
LiveView	1930
DataCollect	3030
OIA	4402
OS	27
Graphics	38
Ion_Chef	IC.4.4.2