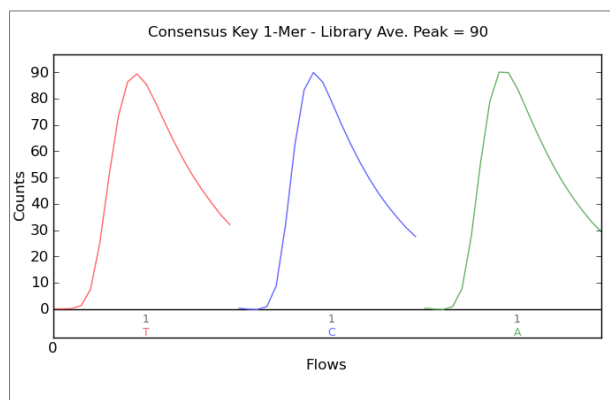
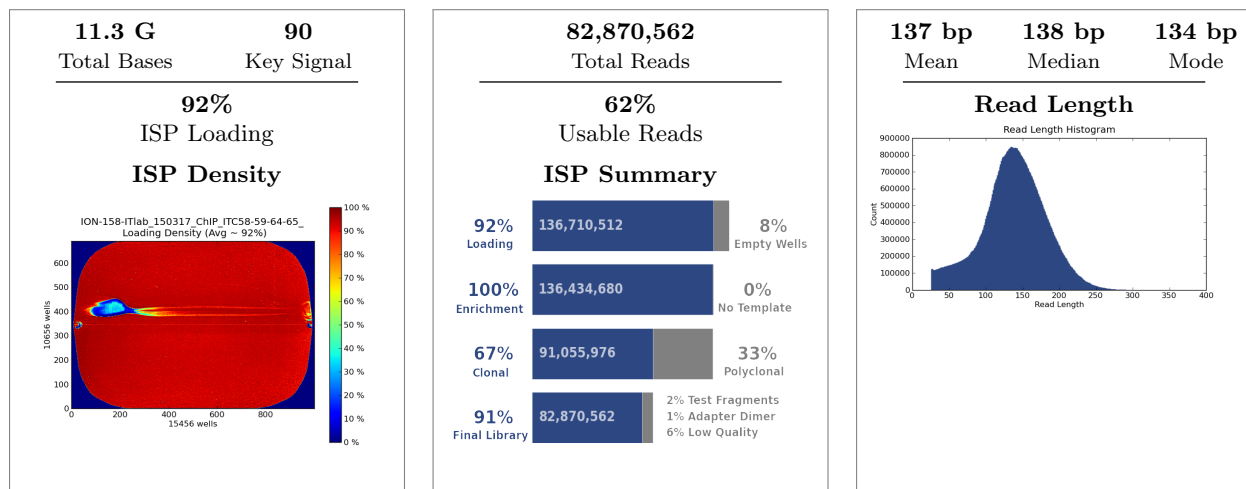


Run Summary



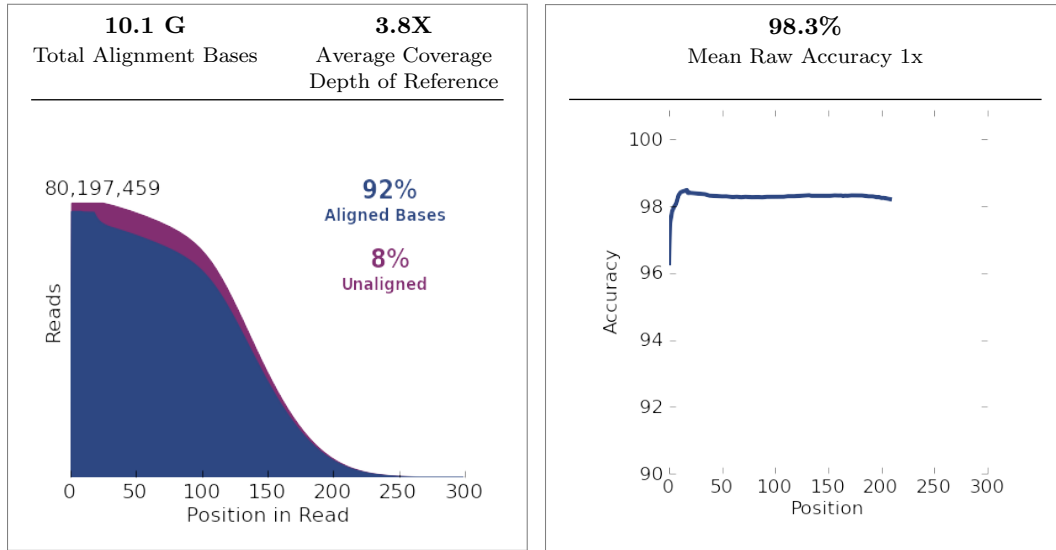
Addressable Wells	148,603,956	
With ISPs	136,710,512	92.0%
Live	136,434,680	99.8%
Test Fragment	1,701,002	01.2%
Library	134,733,678	98.8%
Library ISPs	134,733,678	
Filtered: Polyclonal	45,378,704	33.7%
Filtered: Low Quality	7,537,230	05.6%
Filtered: Primer Dimer	965,569	00.7%
Final Library ISPs	82,870,562	61.5%

Notes: ITlab_16-KNsamples_ITC58-wt1SET8-bc5_ITC59-wt2SET8-bc6_ITC64-wt1PHF8-bc11_ITC65-wt2PHF8-bc12

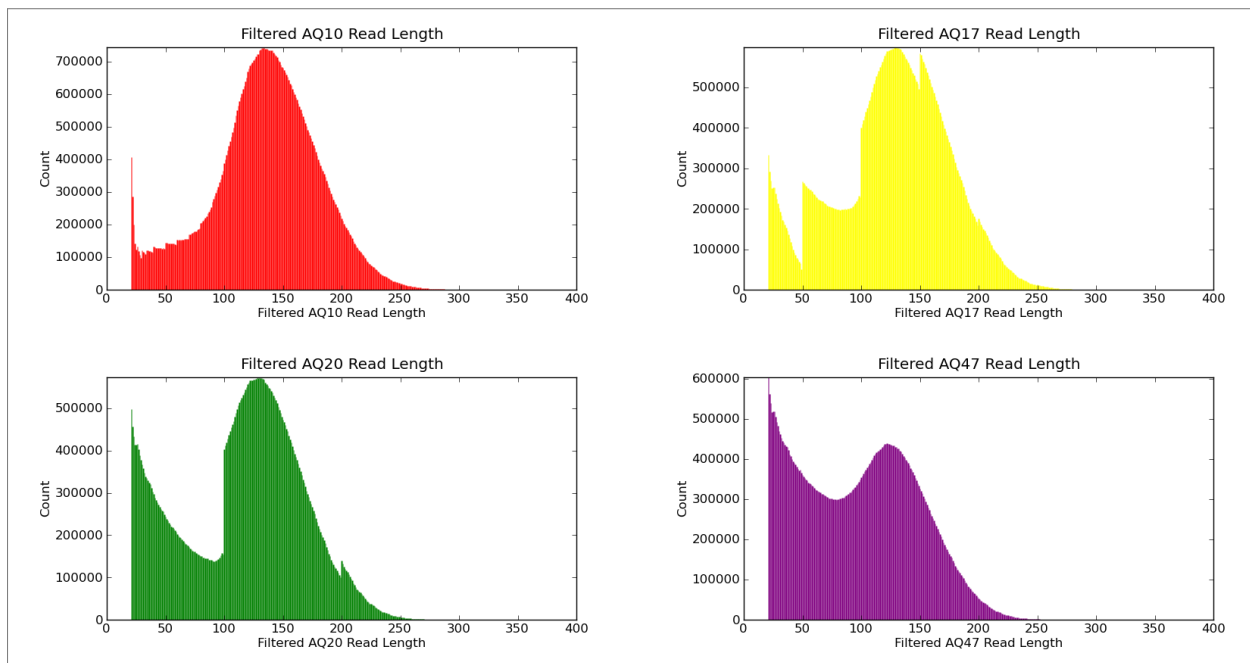
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	300,380,589	218,749,698	2,499,836	120 bp
IonXpress_005	ITC58-wt1SET8	2,511,518,191	2,085,520,750	18,308,561	137 bp
IonXpress_006	ITC59-wt2SET8	3,056,598,452	2,554,611,025	22,619,708	135 bp
IonXpress_011	ITC64-wt1PHF8	2,616,878,524	2,156,195,850	18,925,553	138 bp
IonXpress_012	ITC65-wt2PHF8	2,807,524,207	2,333,856,510	20,343,637	138 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,404,526	79%	

Alignment Summary (aligned to *Mus musculus*)



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	8.2 G	7 G	5.7 G
Mean Length [bp]	127	116	98
Longest Alignment [bp]	333	333	308
Mean Coverage Depth	3.1	2.7	2.2



Analysis Details

Run Name	R_2015_03_17_12_11_39_user_ION-158-ITlab_150317_ChIP_ITC58-59-64-65_
Run Date	March 17, 2015, 12:13 p.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC65-wt2PHF8, ITC58-wt1SET8, ITC59-wt2SET8, ITC64-wt1PHF8
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-158-ITlab_150317_ChIP_ITC58-59-64-65_223
Analysis Date	March 18, 2015, 12:19 a.m.
Analysis Flows	0
runID	LKZB7

Chef Summary

Ion Chef was not used for this run |

Software Version

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