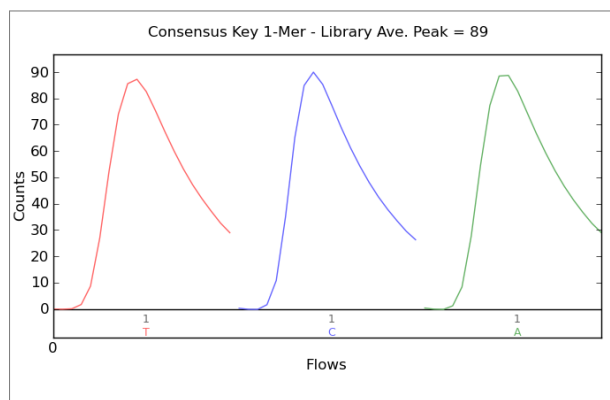
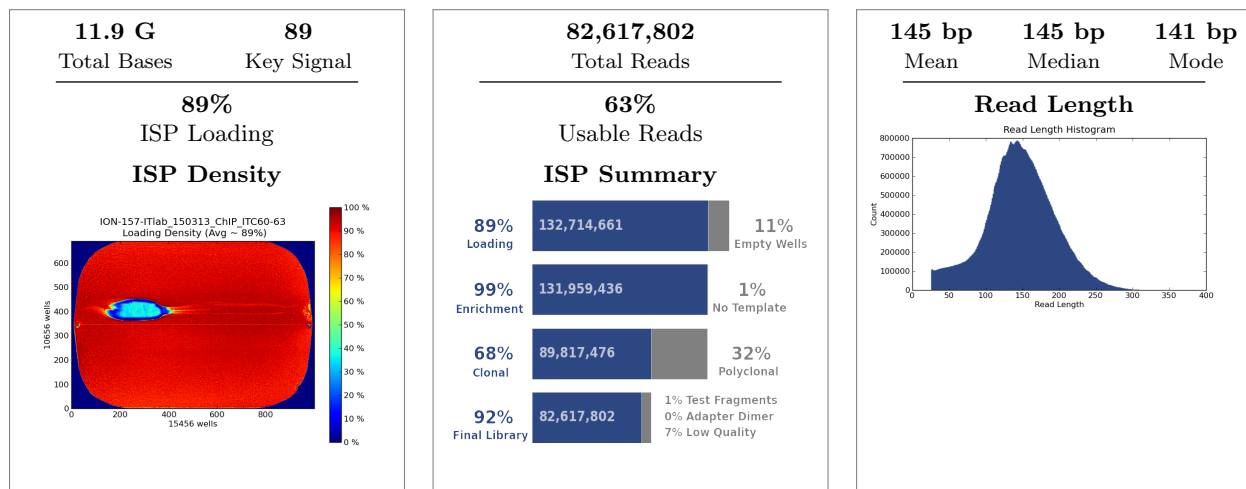


Run Summary



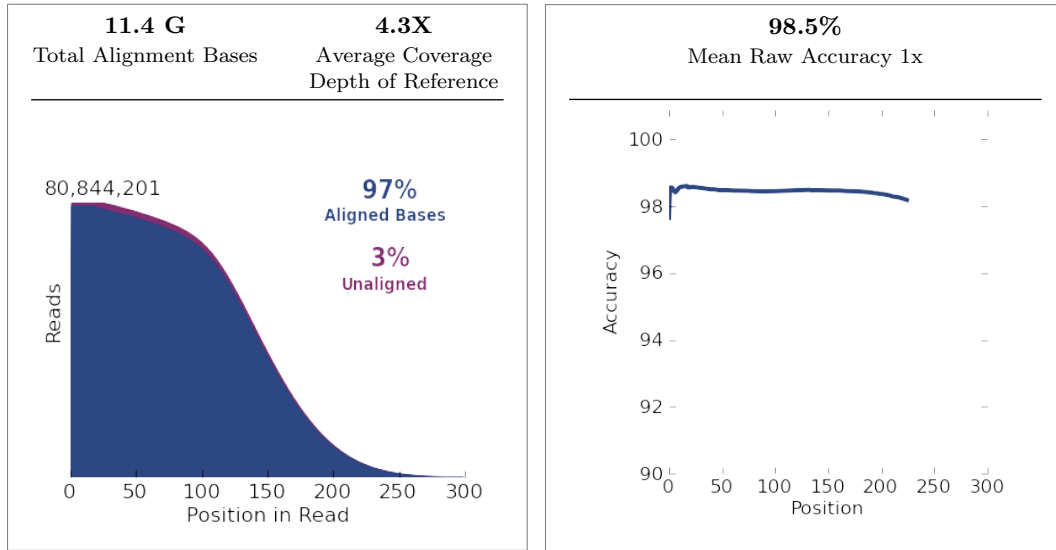
Addressable Wells	148,603,956	
With ISPs	132,714,661	89.3%
Live	131,959,436	99.4%
Test Fragment	1,126,348	00.9%
Library	130,833,088	99.1%
Library ISPs	130,833,088	
Filtered: Polyclonal	42,141,960	32.2%
Filtered: Low Quality	7,316,393	05.6%
Filtered: Primer Dimer	163,115	00.1%
Final Library ISPs	82,617,802	63.1%

Notes: ITlab.16-KNsamples_ITC60-wt1POL2-bc7_ITC61-wt2POL2-bc8_ITC62-Set8KO1POL2-bc9_ITC63-Set8KO2POL2-bc10

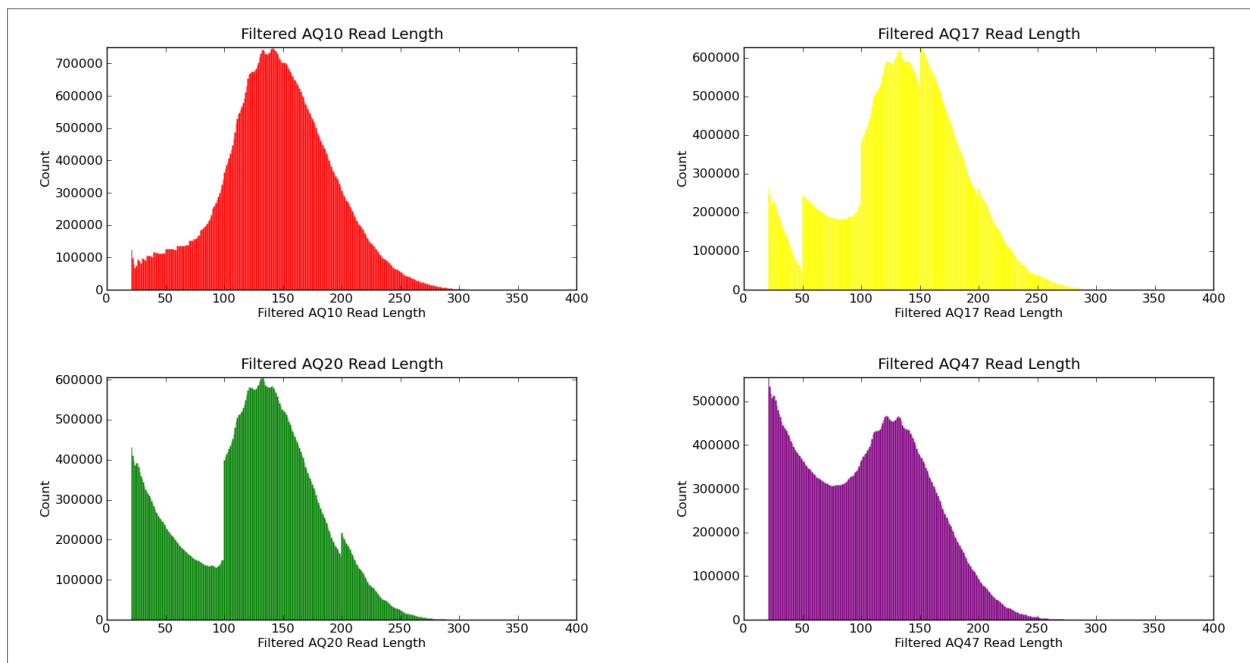
Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	226,021,196	172,767,690	1,732,979	130 bp
IonXpress_007	ITC60-wt1POL2	3,238,156,468	2,707,932,056	22,026,566	147 bp
IonXpress_008	ITC61-wt2POL2	2,767,419,004	2,316,354,495	19,165,715	144 bp
IonXpress_009	ITC62-Set8KO1POL2	3,064,034,293	2,588,701,587	20,899,172	147 bp
IonXpress_010	ITC63-Set8KO2POL2	2,676,167,704	2,255,569,475	18,752,748	143 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	942,424	80%	

Alignment Summary *(aligned to Mus musculus)*



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	9.6 G	8.3 G	6.6 G
Mean Length [bp]	136	124	104
Longest Alignment [bp]	340	340	318
Mean Coverage Depth	3.6	3.1	2.5



Analysis Details

Run Name	R_2015_03_13_12.30.26_user_ION-157-ITlab_150313_Chip_ITC60-63
Run Date	March 13, 2015, 12:32 p.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC60-wt1POL2, ITC63-Set8KO2POL2, ITC62-Set8KO1POL2, ITC61-wt2POL2
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-157-ITlab_150313_Chip_ITC60-63_222
Analysis Date	March 13, 2015, 9:44 p.m.
Analysis Flows	0
runID	TIGEK

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