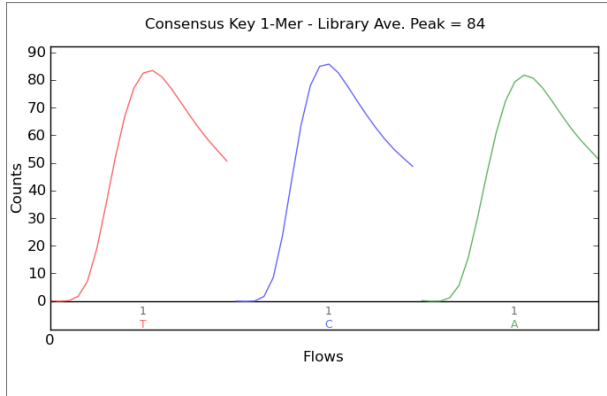
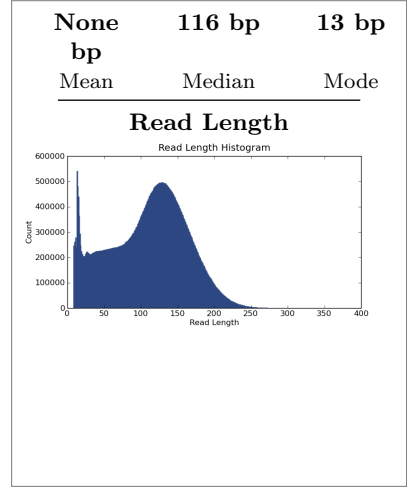
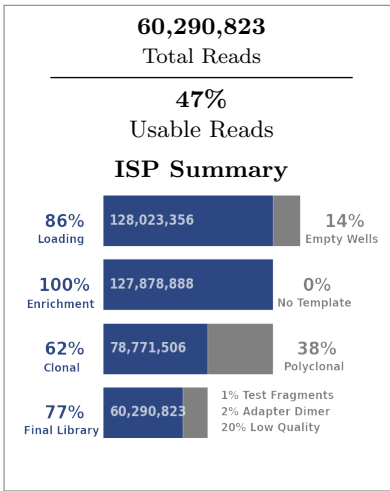
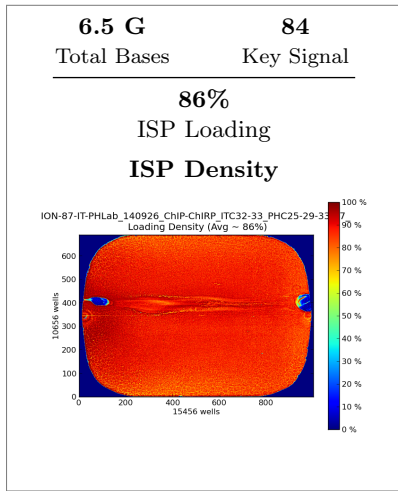


Run Summary



Addressable Wells	148,603,956	
With ISPs	128,023,356	86.2%
Live	127,878,888	99.9%
Test Fragment	576,109	00.5%
Library	127,302,779	99.5%
Library ISPs	127,302,779	
Filtered: Polyclonal	49,107,382	38.6%
Filtered: Low Quality	16,500,393	13.0%
Filtered: Primer Dimer	1,485,575	01.2%
Final Library ISPs	60,290,823	47.4%

Notes: ITlab_MS6ChIP_ITC32-Sm3TgDEN1A1_ITC33-Sm3TgDEN1B1_PHlab_AG-16ChIRPsamples_Inputs_PHC25-LGR5Con_PHC29-lincGSF9Dox_PHC33-lncPRDM16-LsBcat_PHC37-lincASCL2-76

Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	331,913,182	202,210,030	4,831,538	68 bp
IonXpress_001	PHC33	560,894,952	408,168,854	4,906,494	114 bp
IonXpress_006	ITC32_1A1	1,802,071,771	1,376,971,894	16,014,794	112 bp
IonXpress_007	ITC33_1B1	1,309,487,305	989,448,941	11,998,395	109 bp
IonXpress_009	PHC25	809,376,634	599,112,580	7,054,333	114 bp
IonXpress_015	PHC29	819,477,491	595,780,580	7,396,066	110 bp
IonXpress_016	PHC37	902,951,724	660,894,221	8,034,170	112 bp

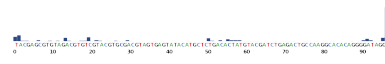
Test Fragment Reads Percent 50AQ17 Read Length Histogram

Run Report for
Auto_user_ION-87-IT-PHLab_140926_ChIP-ChIP-ITC32-33_PHC25-29-33-37_135

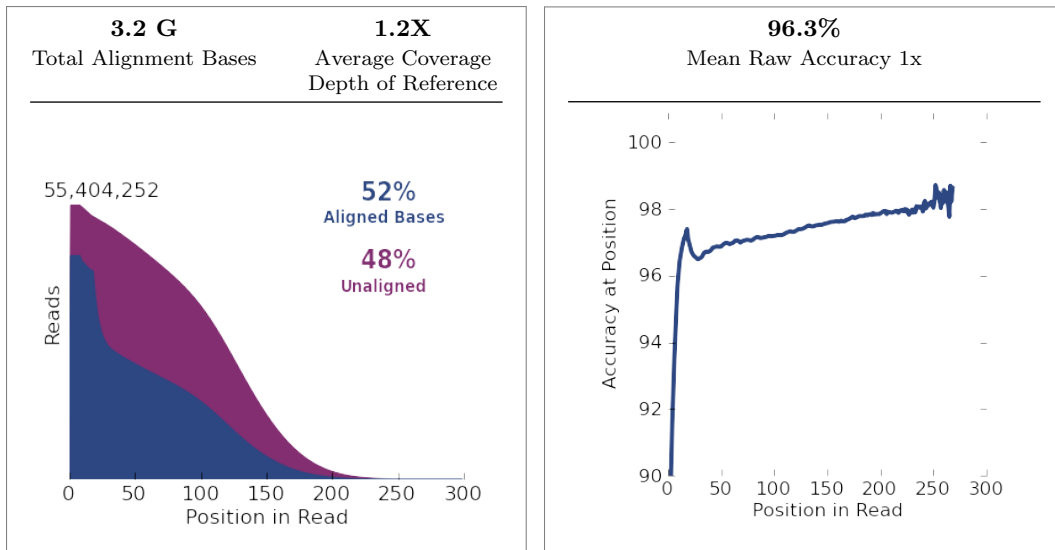
TF_C

460,033

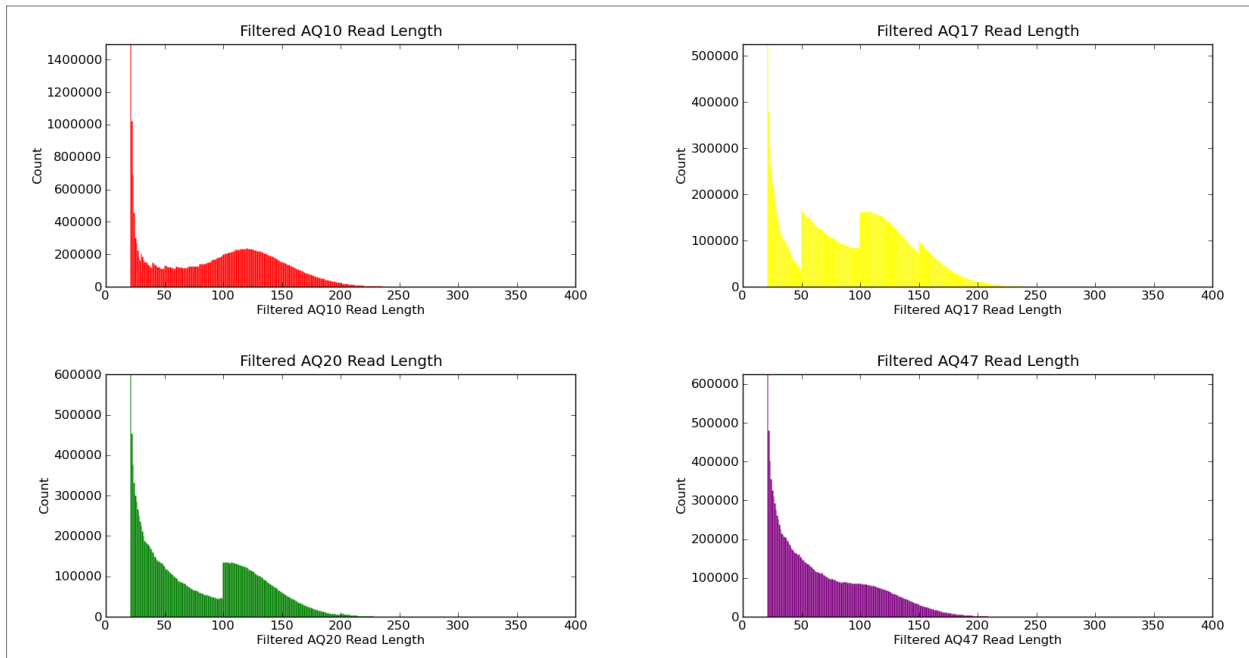
66%



Alignment Summary *(aligned to Mus musculus)*



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	1.7 G	1.3 G	1 G
Mean Length [bp]	92	80	67
Longest Alignment [bp]	296	285	283
Mean Coverage Depth	0.7	0.5	0.4



Analysis Details

Run Name	R_2014.09.26.11.25.54_user_ION-87-IT-PHLab_140926_ChIP-ChIRP_ITC32-33_PHC25-29-33-37_
Run Date	Sept. 26, 2014, 11:27 a.m.
Run Flows	520
Projects	PHLab_ChIPSeq , IITLab_ChipSeq
Sample	ITC32-1A1, PHC37, PHC29, PHC25, PHC33, ITC33-1B1
Reference	
PGM	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-87-IT-PHLab_140926_ChIP-ChIRP_ITC32-33_PHC25-29-33-37_135
Analysis Date	Sept. 26, 2014, 7:03 p.m.
Analysis Flows	0
runID	XR900

Software Version

Torrent_Suite	4.2.1
host	FW7DQV1
ion-analysis	4.2.18-1
ion-chefupdates	4.2.0
ion-dbreports	4.2.22-1
ion-gpu	4.2.2-1
ion-pipeline	4.2.12-1
ion-plugins	4.2.28-1
ion-protonupdates	4.2.2
ion-torrentr	4.2.1-1
LiveView	1835
DataCollect	2929
OIA	4201
OS	21
Graphics	34