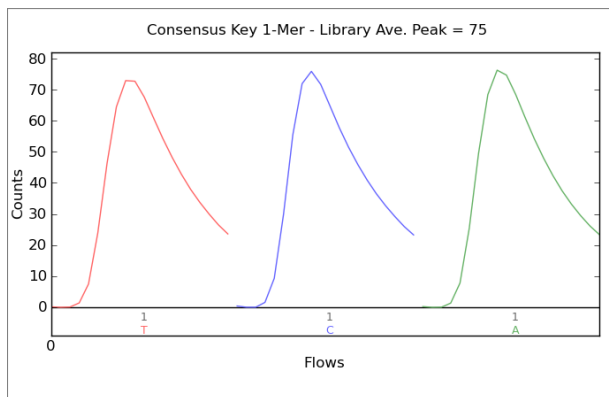
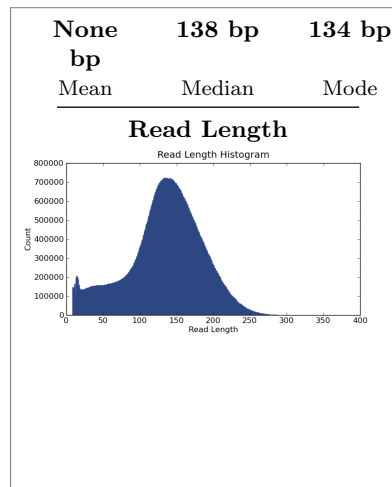
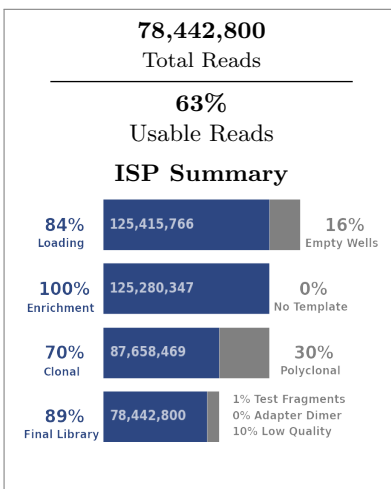
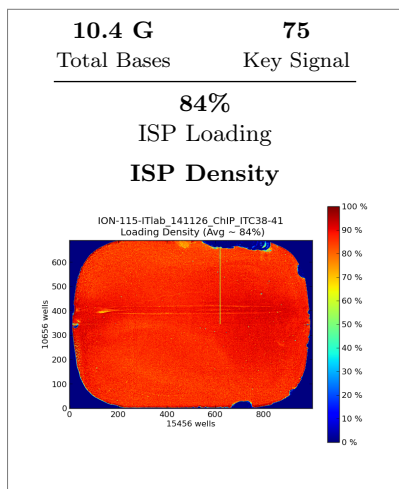


Run Summary



Addressable Wells	148,603,956	
With ISPs	125,415,766	84.4%
Live	125,280,347	99.9%
Test Fragment	742,329	00.6%
Library	124,538,018	99.4%

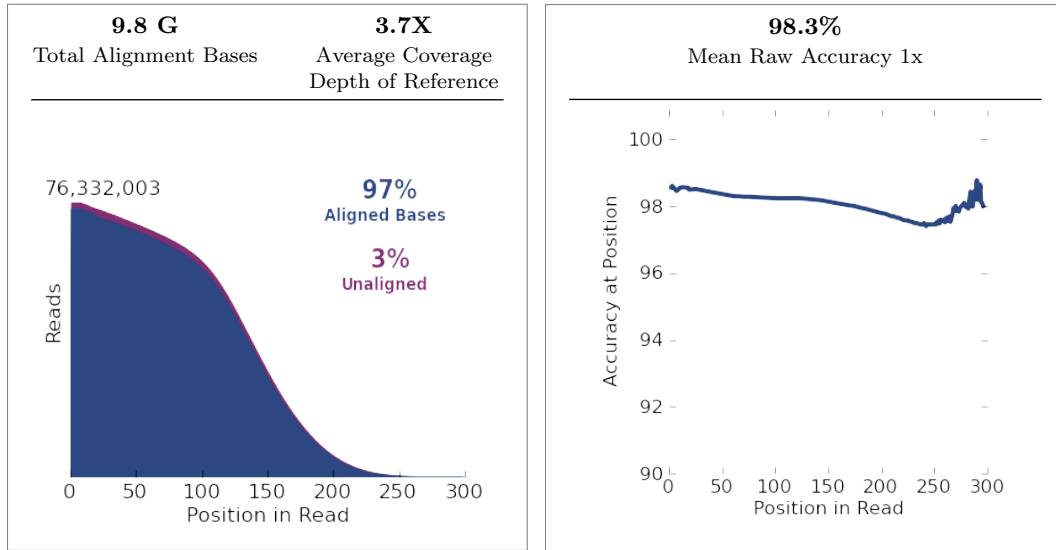
Library ISPs	124,538,018	
Filtered: Polyclonal	37,621,878	30.2%
Filtered: Low Quality	8,371,564	06.7%
Filtered: Primer Dimer	155,895	00.1%
Final Library ISPs	78,442,800	63.0%

Notes: ITlab_MS4ChIP_ITC38-HF13-BC2.ITC39-HF14-BC5.ITC40-HKO1-BC7.ITC41-HKO2-BC8

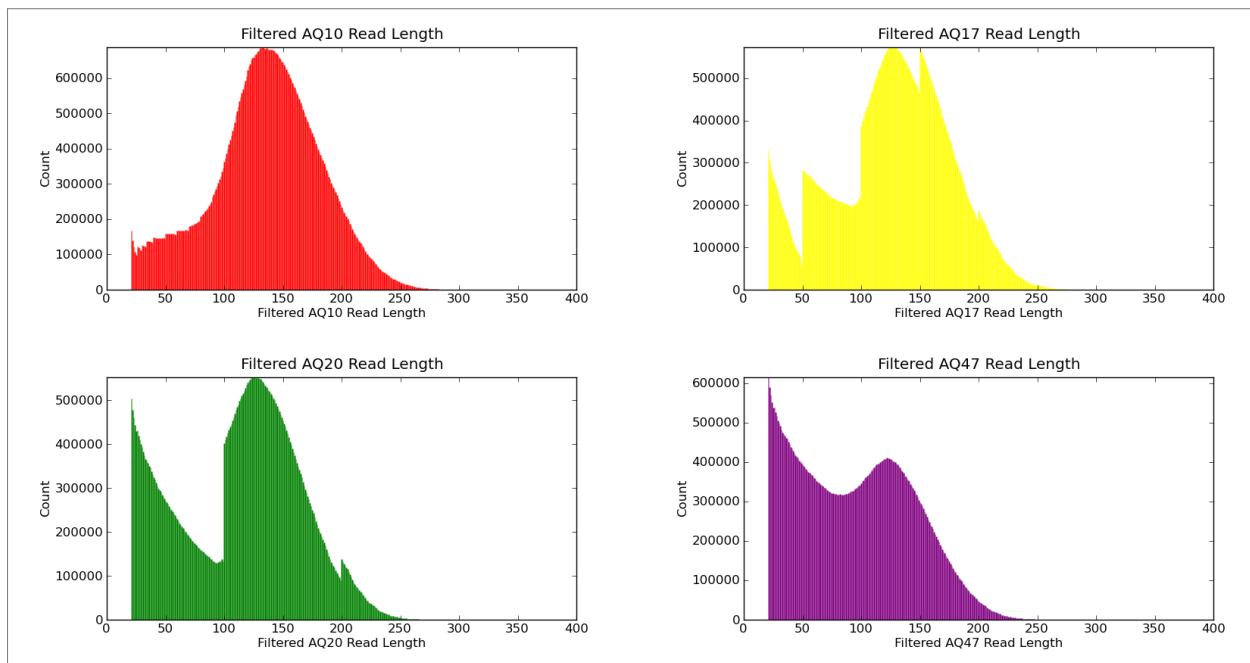
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	219,082,417	159,409,362	2,001,657	109 bp
IonXpress_002	ITC38	1,641,823,904	1,345,597,278	12,710,980	129 bp
IonXpress_005	ITC39	3,022,742,411	2,459,265,650	22,384,378	135 bp
IonXpress_007	ITC40	3,320,967,909	2,676,382,056	25,038,945	132 bp
IonXpress_008	ITC41	2,200,969,861	1,714,794,240	16,197,700	135 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	530,526	51%	

Alignment Summary (aligned to *Mus musculus*)



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	8.1 G	6.8 G	5.5 G
Mean Length [bp]	126	113	94
Longest Alignment [bp]	312	310	301
Mean Coverage Depth	3.1	2.6	2.1



Analysis Details

Run Name	R_2014.11.26_11.52.03_user_ION-115-ITlab_141126_ChIP_ITC38-41
Run Date	Nov. 26, 2014, 11:55 a.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC39, ITC38, ITC41, ITC40
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-115-ITlab_141126_ChIP_ITC38-41_178
Analysis Date	Nov. 26, 2014, 8:09 p.m.
Analysis Flows	0
runID	3209S

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