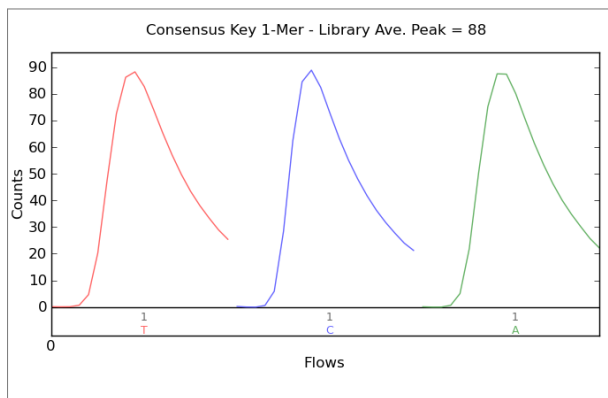
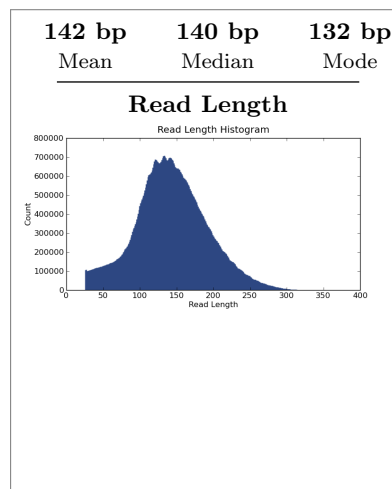
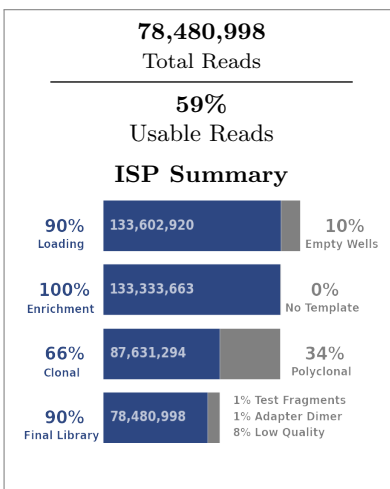
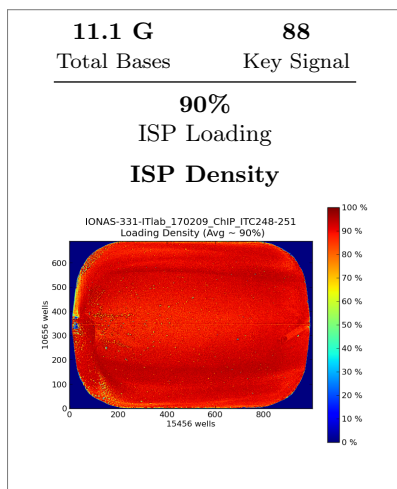


Run Summary



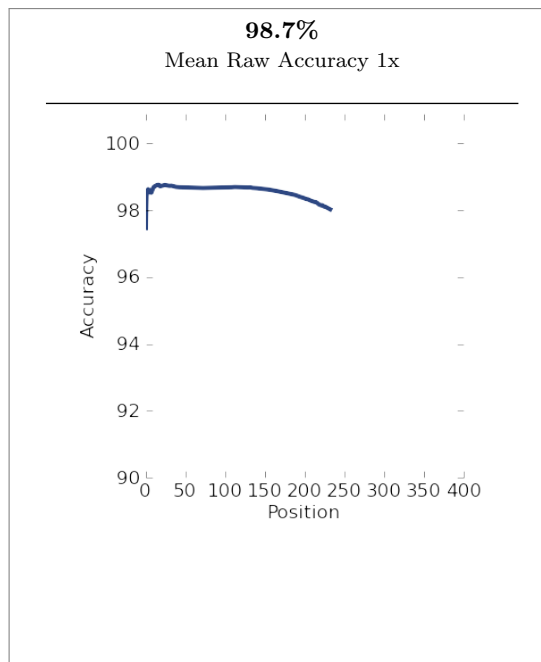
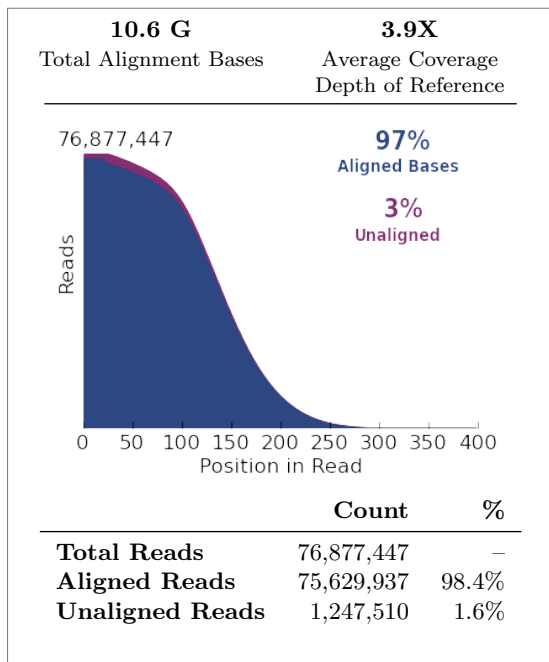
Addressable Wells	148,155,732	
With ISPs	133,602,920	90.2%
Live	133,333,663	99.8%
Test Fragment	1,250,282	00.9%
Library	132,083,381	99.1%
Library ISPs	132,083,381	
Filtered: Polyclonal	45,702,369	34.6%
Filtered: Low Quality	7,417,497	05.6%
Filtered: Adapter Dimer	1,153,479	00.9%
Final Library ISPs	78,480,998	59.4%

Notes: ITlab_YK9samples_ITC248-251_FOXA1

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	197,321,953	150,513,231	1,578,440	125 bp
IonXpress_006	ITC248-E15	3,565,798,788	3,015,928,203	24,889,241	143 bp
IonXpress_007	ITC249-E151	2,926,071,716	2,460,480,638	20,490,428	143 bp
IonXpress_008	ITC250-E152	2,503,506,026	2,109,398,280	17,598,243	142 bp
IonXpress_009	ITC251-E181	1,932,054,692	1,662,819,519	13,899,535	139 bp

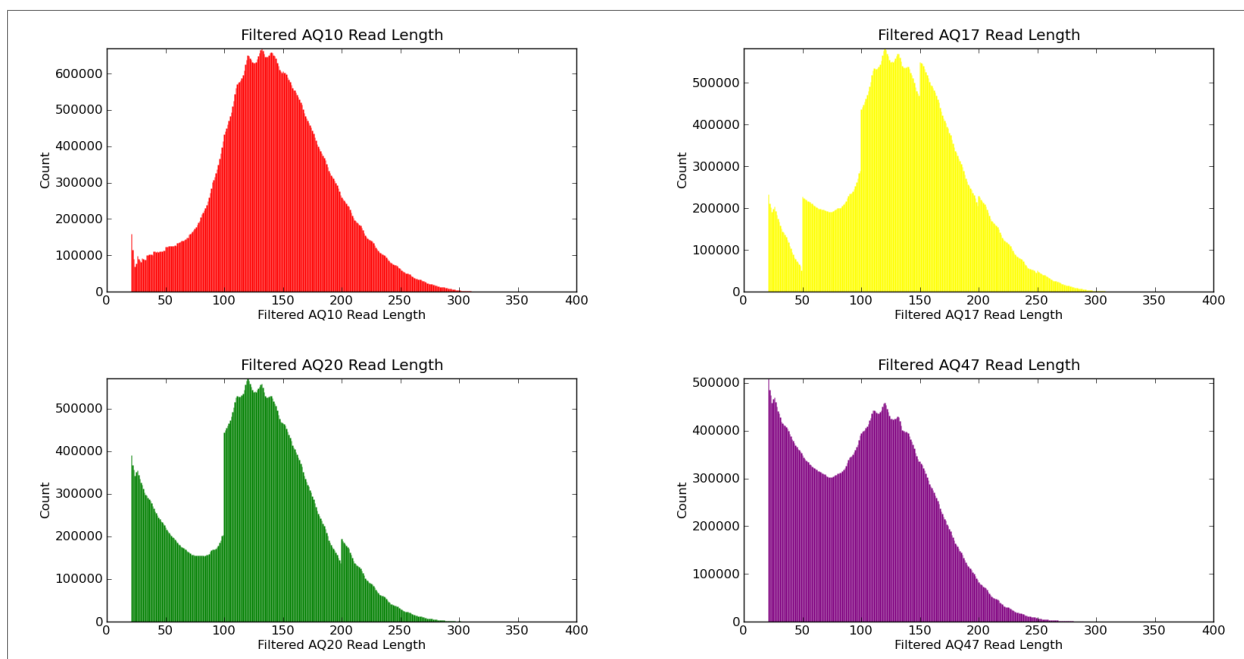
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,112,510	92%	

Alignment Summary (aligned to *Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	9.1 G	7.91 G	6.32 G
Mean Length [bp]	135	124	103
Longest Alignment [bp]	353	342	332
Mean Coverage Depth	3.3	2.9	2.3



Analysis Details

Run Name	R_2017_02_10_14_00_13_user_IONAS-331-ITlab_170209_ChIP_ITC248-251
Run Date	Feb. 10, 2017, 2:02 p.m.
Run Flows	520
Projects	ITLab_ChipSeq
Sample	ITC249-E151, ITC250-E152, ITC251-E181, ITC248-E15
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DABE25279
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-331-ITlab_170209_ChIP_ITC248-251_430
Analysis Date	Feb. 11, 2017, 12:56 a.m.
Analysis Flows	0
runID	BBBB4
BeadFind Args	justBeadFind -beadfind-minlivesnr 3 -region-size=216,224 -total-timeout 600
Analysis Args	Analysis -from-beadfind -clonal-filter-bkgmodel true -region-size=216,224 -bkg-bfmask-update false -gpuWorkLoad 1 -total-timeout 600 -gopt /opt/ion/config/gopt _p 1.1.17 _a mpliseq _e xome.param.json
Pre-BaseCaller Args for calibration	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -max-phasing-levels 2
Calibration Args	Calibration
BaseCaller Args	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -num-unfiltered 1000 -barcode-filter-postpone 1
Alignment Args	tmap mapall ... stage1 map4
IonStats Args	ionstats alignment
Analysis Parameters	default

Chef Summary

Chef Template Prep Information:

Chef Last Updated	Feb. 10, 2017, 10:34 a.m.
Chef Instrument Name	CHEF00509
Sample Position	1
Tip Rack Barcode	252190056
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	May2016
Chip Expiration 2	May2016
Templating Kit Type	Ion PI IC 200 Kit
Reagent Expiration	83276
Reagent Lot Number	0023442
Reagent Part Number	100023442
Solution Lot Number	0022894
Solution Part Number	100022894
Solution Expiration	151231
Chef Script Version	263
Chef Package Version	IC.5.0.1

Software Version

Torrent_Suite	5.0.5
host	FW7DQV1
ion-analysis	5.0.13-1
ion-chefupdates	5.0.7
ion-dbreports	5.0.34-1
ion-gpu	5.0.0-1
ion-pipeline	5.0.17-1
ion-plugins	5.0.28-1
ion-protonupdates	5.0.3
ion-torrentr	5.0.0-1
Script	2.1.33
LiveView	2045
DataCollect	3220
OIA	5002
OS	30
Graphics	52
Ion.Chef	IC.5.0.1