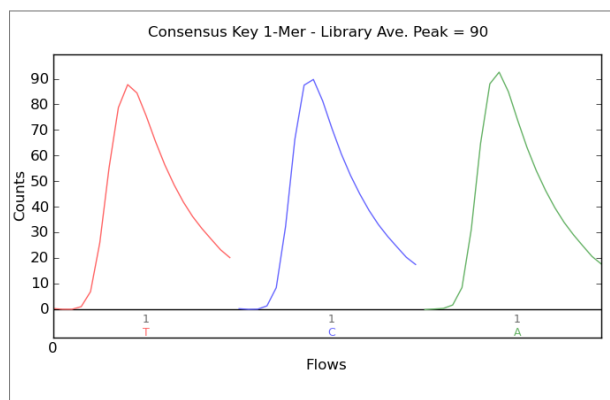
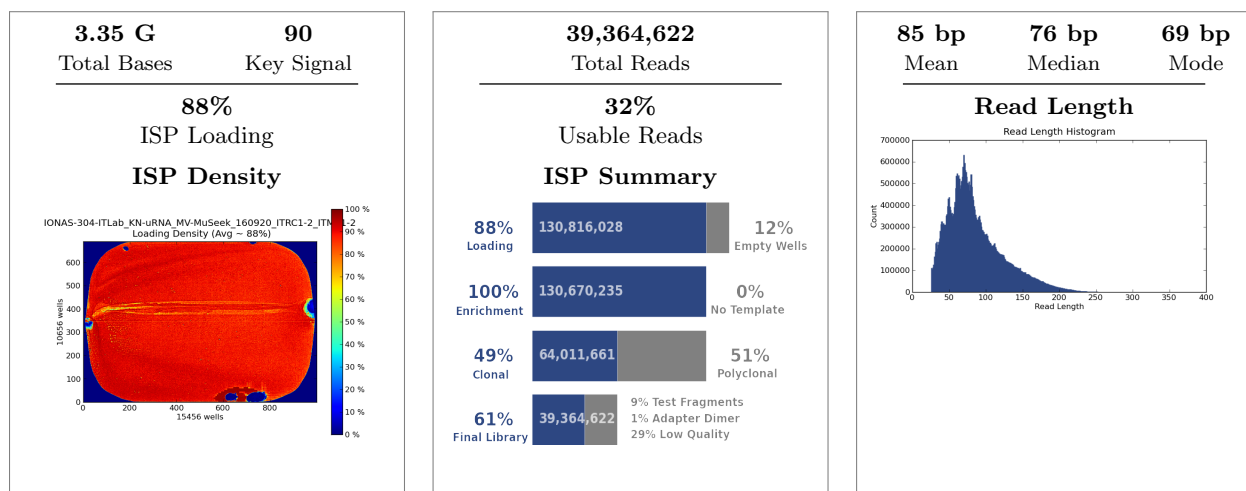


Run Summary



Addressable Wells		148,155,732
With ISPs	130,816,028	88.3%
Live	130,670,235	99.9%
Test Fragment	5,776,581	04.4%
Library	124,893,654	95.6%

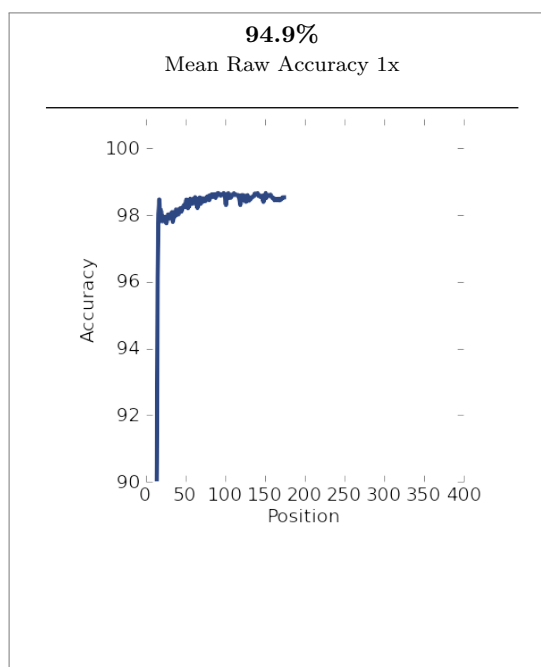
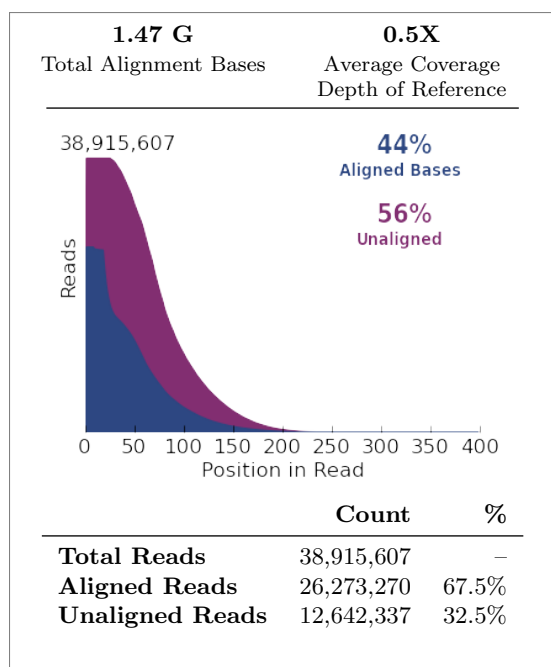
Library ISPs		124,893,654
Filtered: Polyclonal	66,658,574	53.4%
Filtered: Low Quality	19,520,907	15.6%
Filtered: Adapter Dimer	786,094	00.6%
Final Library ISPs	39,364,622	31.5%

Notes: ITLab-MVMuSeek-ATACseq_ITMu1_MV1_wtDP_bc1_ITMu2_MV2_BC16koDP_bc2-KNuRNA_ITRC1a_wtBiotin_bc5

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	37,469,386	28,972,051	444,391	84 bp
IonXpress_001	ITMu1_wtDP	30,316	24,375	259	117 bp
IonXpress_002	ITMu2_BC16koDP	45,030	34,271	571	79 bp
IonXpress_003	none	483,468,271	350,645,381	6,218,499	78 bp
IonXpress_004	none	445,501,022	327,115,753	5,753,027	77 bp
IonXpress_005	ITRC1a_wtBiotin	1,301,690,241	1,143,804,269	14,514,117	90 bp
IonXpress_006	ITRC2a_SET8koBiotin	1,083,440,565	958,183,364	12,429,134	87 bp

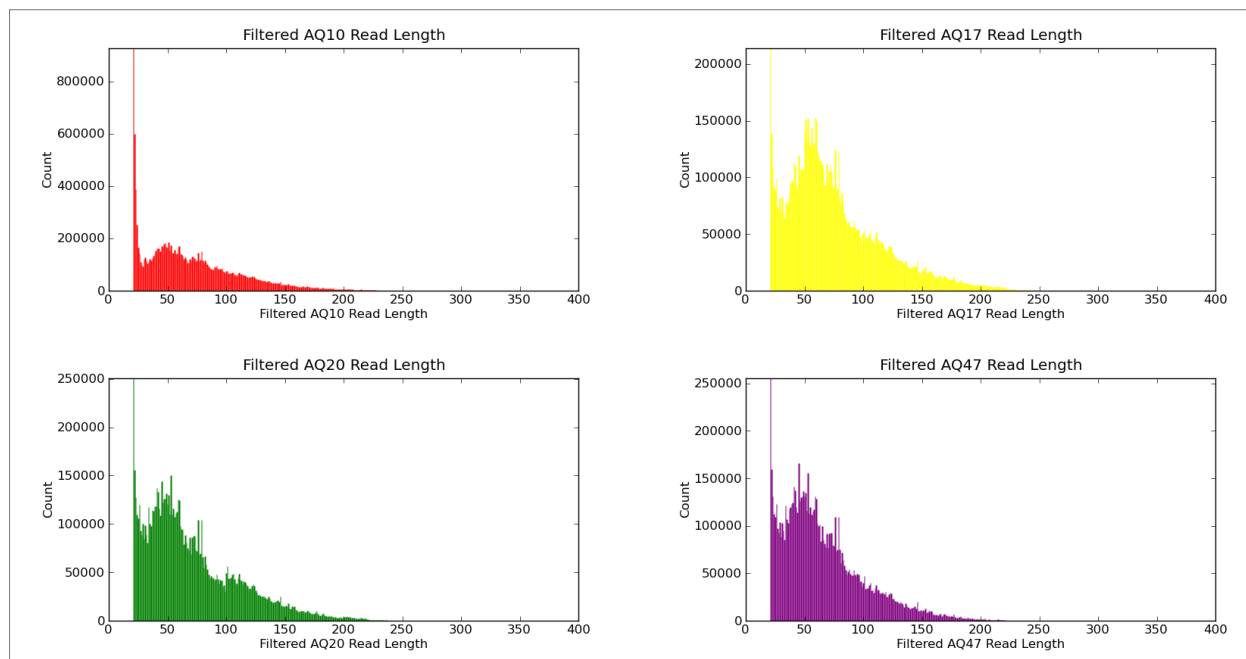
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	5,409,278	82%	

Alignment Summary (*aligned to Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	746 M	662 M	608 M
Mean Length [bp]	75	70	65
Longest Alignment [bp]	298	295	282
Mean Coverage Depth	0.3	0.2	0.2



Analysis Details

Run Name	R_2016_09_20_12_11_10_user_IONAS-304-ITLab_KN-uRNA_MV-MuSeek_160920.ITRC1-2.ITMu1-2
Run Date	Sept. 20, 2016, 12:12 p.m.
Run Flows	520
Projects	ITLab_ChipSeq , ITLab_ATACseq , ITLab_uRNA
Sample Reference	ITMu2_BC16koDP, ITMu1_wtDP, ITRC2a_SET8koBiotin, ITRC1a_wtBiotin
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-304-ITLab_KN-uRNA_MV-MuSeek_160920.ITRC1-2.ITMu1-2_402
Analysis Date	Sept. 20, 2016, 6:07 p.m.
Analysis Flows	0
runID	4XSPQ
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_p1.1.17_ampliseq_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

Ion Chef was not used for this run |

Software Version

Torrent_Suite	5.0.4
host	FW7DQV1
ion-analysis	5.0.13-1
ion-chefupdates	5.0.3
ion-dbreports	5.0.33-1
ion-gpu	5.0.0-1
ion-pipeline	5.0.16-1
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