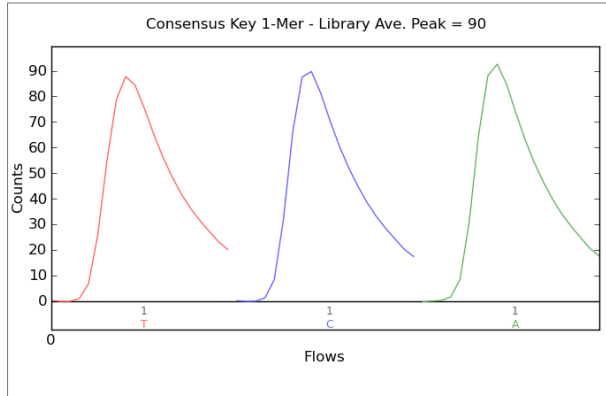
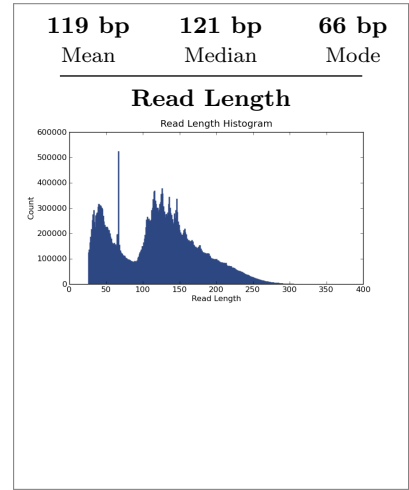
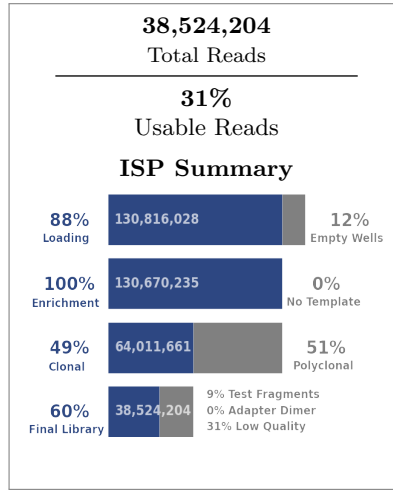
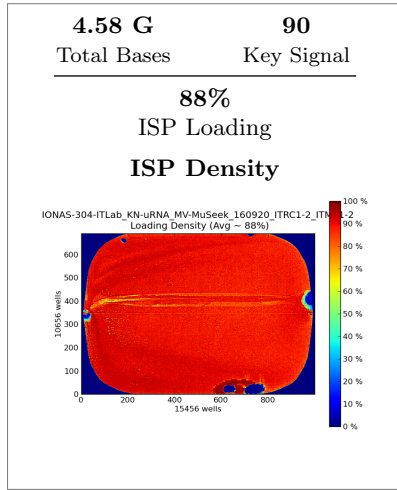


Run Summary



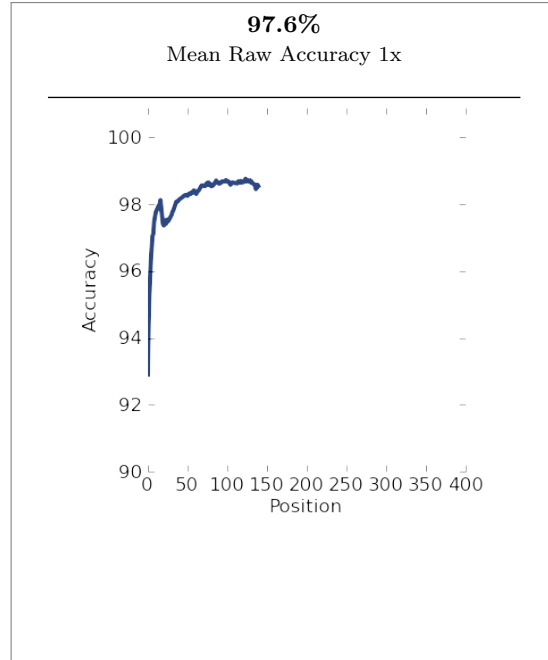
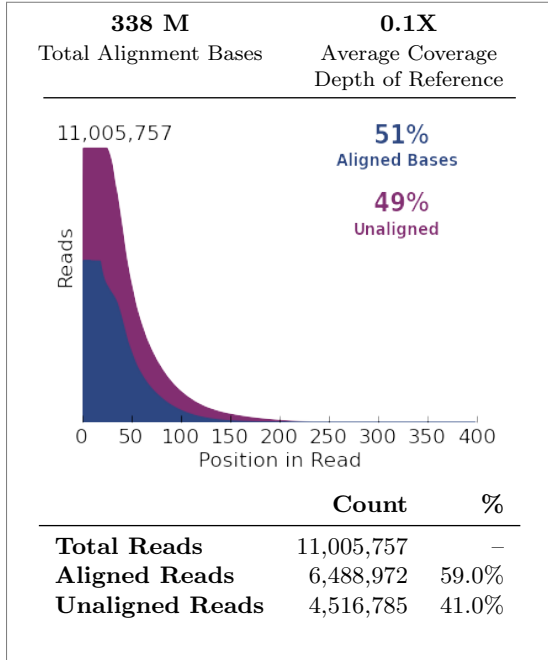
Addressable Wells	148,155,732	
With ISPs	130,816,028	88.3%
Live	130,670,235	99.9%
Test Fragment	5,776,581	04.4%
Library	124,893,654	95.6%
Library ISPs	124,893,654	
Filtered: Polyclonal	66,658,574	53.4%
Filtered: Low Quality	20,869,957	16.7%
Filtered: Adapter Dimer	277,462	00.2%
Final Library ISPs	38,524,204	30.8%

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	3,914,710,651	3,419,105,759	27,518,363	142 bp
MuSeek_001	ITMu1_wtDP	294,842,583	226,666,283	5,302,426	56 bp
MuSeek_002	ITMu2_BC16koDP	280,031,367	215,693,940	5,017,723	56 bp
MuSeek_003	ITRC1a_wtBiotin	84,878,989	69,536,745	641,557	132 bp
MuSeek_004	ITRC2a_SET8koBiotin	5,446,676	4,397,021	44,051	124 bp

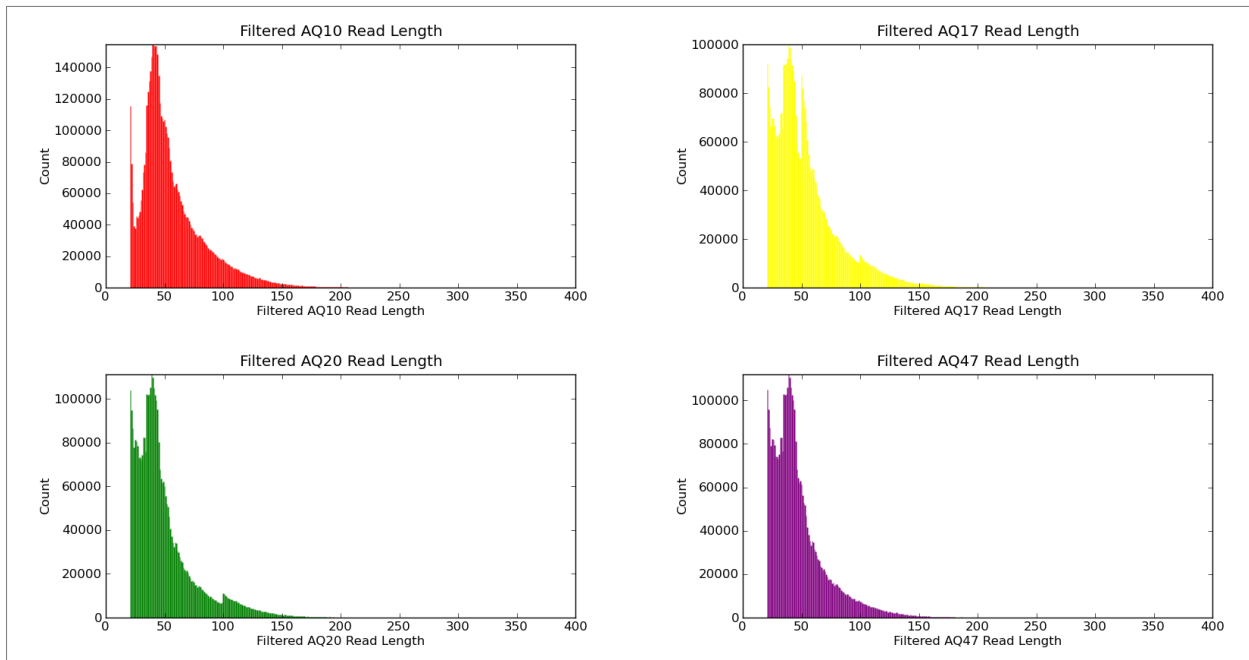
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	5,409,278	82%	

Alignment Summary (aligned to *Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	222 M	191 M	183 M
Mean Length [bp]	53	49	47
Longest Alignment [bp]	267	265	242
Mean Coverage Depth	0.1	0.1	0.1



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	MuSeek Barcode set 1
Analysis Name	IONAS-304-ITLab_MV-MuSeek_160920_ITMu1-2
Analysis Date	Sept. 22, 2016, 1:21 p.m.
Analysis Flows	0
runID	FQ6TW
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

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