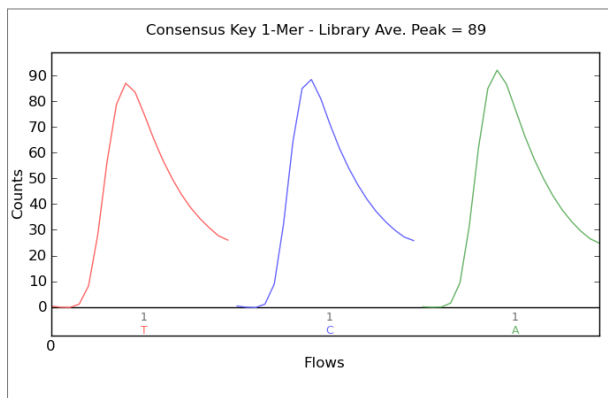
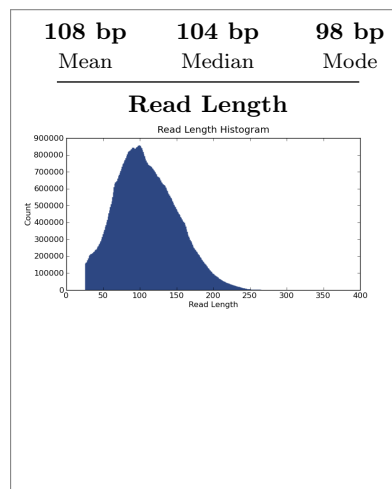
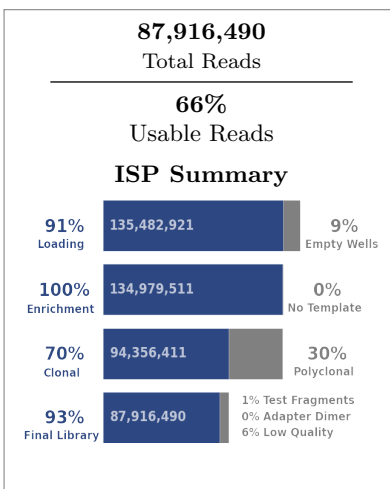
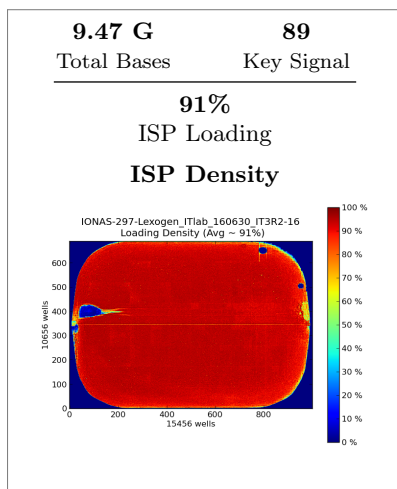


Run Summary



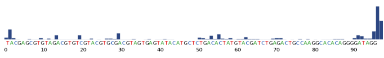
Addressable Wells	148,155,732	
With ISPs	135,482,921	91.4%
Live	134,979,511	99.6%
Test Fragment	965,548	00.7%
Library	134,013,963	99.3%
Library ISPs	134,013,963	
Filtered: Polyclonal	40,623,100	30.3%
Filtered: Low Quality	6,136,072	04.6%
Filtered: Adapter Dimer	279,128	00.2%
Final Library ISPs	87,916,490	65.6%

Notes: IT3R2-8-Liver_IT3R9-16-8weeks_IonTouch

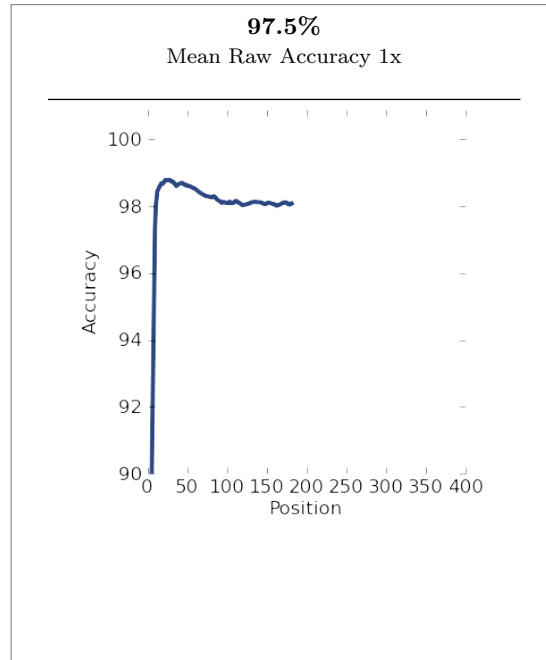
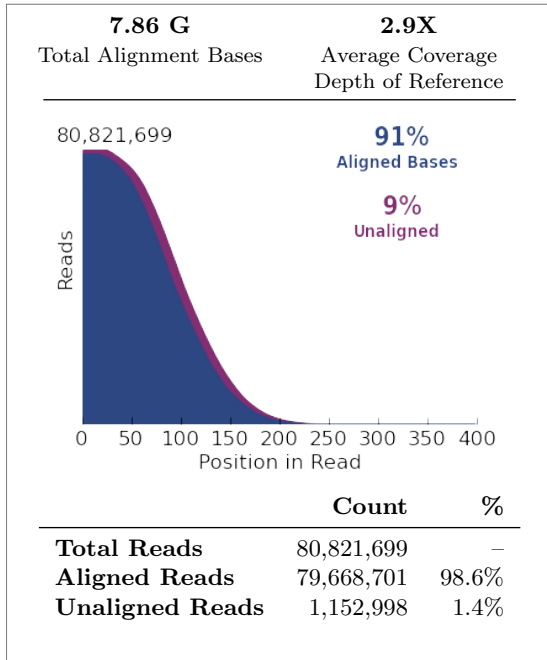
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	802,642,438	631,600,993	6,773,181	119 bp
IonXpress_001	none	23,353,644	19,264,715	192,428	121 bp
IonXpress_002	none	13,868,846	11,167,918	121,086	115 bp
IonXpress_004	none	23,876,508	19,964,247	192,302	124 bp
IonXpress_005	none	12,802,242	10,726,507	102,476	125 bp
IonXpress_007	none	36,151,262	28,749,558	304,835	119 bp
IonXpress_010	none	14,548,998	11,582,405	129,652	112 bp
IonXpress_013	IT3R2-wt2LM	759,914,014	598,062,078	6,781,877	112 bp
IonXpress_014	IT3R3-wt3LM	622,013,993	492,357,572	5,539,406	112 bp
IonXpress_015	IT3R4-wt4LM	653,708,878	520,429,279	6,015,133	109 bp
IonXpress_018	IT3R7-wt3LF	564,434,897	442,788,147	5,059,393	112 bp

Run Report for Auto_user_IONAS-297-Lexogen_ITlab_160630_IT3R2-16_395

IonXpress_019	IT3R8-wt4LF	521,761,437	414,640,748	4,635,929	113 bp
IonXpress_020	IT3R9-wt2	657,281,745	526,953,511	6,178,908	106 bp
IonXpress_021	IT3R10-wt3	856,046,134	691,446,153	9,087,907	94 bp
IonXpress_022	IT3R11-wt4	555,478,436	438,909,718	5,052,072	110 bp
IonXpress_023	IT3R12-wt5	657,051,346	519,438,093	6,024,589	109 bp
IonXpress_024	IT3R13-SET9ko3	772,360,357	614,389,042	6,968,696	111 bp
IonXpress_025	IT3R14-SET9ko4	549,636,346	437,857,001	5,116,923	107 bp
IonXpress_026	IT3R15-SET9ko5	466,089,123	369,094,786	4,335,051	108 bp
IonXpress_027	IT3R16-SET9ko7	908,623,026	728,150,330	8,983,036	101 bp

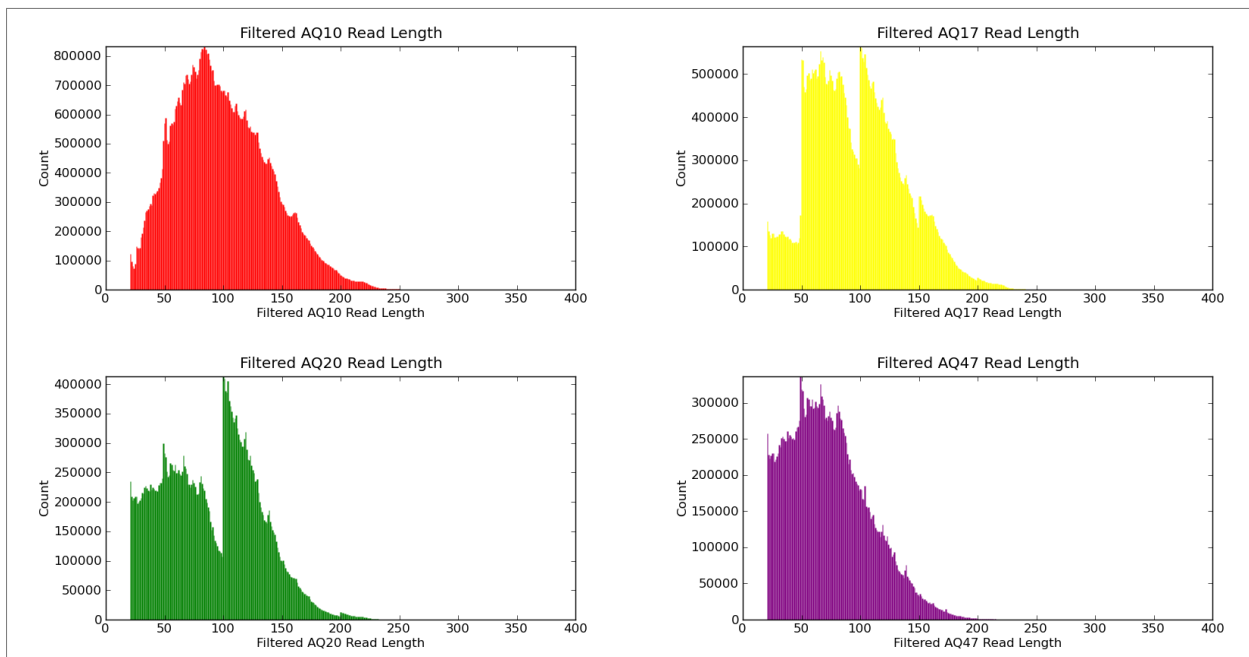
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	758,428	68%	

Alignment Summary (aligned to *Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	4.88 G	2.88 G	1.95 G
Mean Length [bp]	97	89	73
Longest Alignment [bp]	299	286	270
Mean Coverage Depth	1.8	1.1	0.7



Analysis Details

Run Name	R_2016_06_30_12_32_12_user_IONAS-297-Lexogen_ITlab_160630_IT3R2-16
Run Date	June 30, 2016, 12:33 p.m.
Run Flows	520
Projects	LexoGen_QuantSeq , ITLab_3RNAseq
Sample	IT3R12-wt5, IT3R2-wt2LM, IT3R14-SET9ko4, IT3R3-wt3LM, IT3R10-wt3, IT3R9-wt2, IT3R16-SET9ko7, IT3R13-SET9ko3, IT3R7-wt3LF, IT3R4-wt4LM, IT3R11-wt4, IT3R15-SET9ko5, IT3R8-wt4LF
Reference	
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-297-Lexogen_ITlab_160630_IT3R2-16_395
Analysis Date	June 30, 2016, 8:10 p.m.
Analysis Flows	0
runID	A7U2Q
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