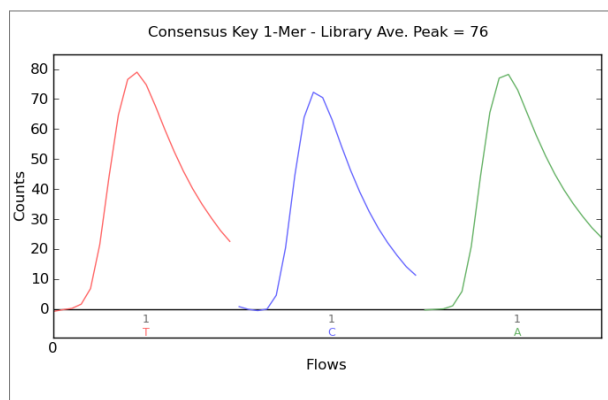
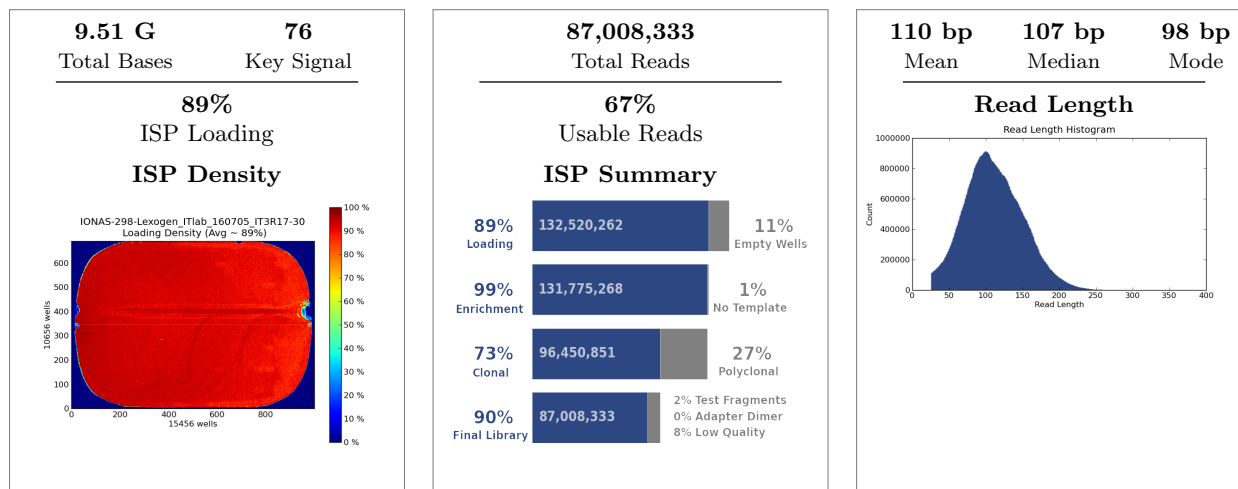


Run Summary



Addressable Wells 148,155,732		
With ISPs	132,520,262	89.4%
Live	131,775,268	99.4%
Test Fragment	1,988,533	01.5%
Library	129,786,735	98.5%

Library ISPs 129,786,735		
Filtered: Polyclonal	35,324,417	27.2%
Filtered: Low Quality	7,352,678	05.7%
Filtered: Adapter Dimer	114,513	00.1%
Final Library ISPs	87,008,333	67.0%

Notes: IT3R17-22_GallBladder-Male-Female_IT3R23-30_wt-Usp22ko

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	690,251,033	537,763,651	5,830,408	118 bp
IonXpress_002	none	11,888,545	9,465,410	103,874	114 bp
IonXpress_007	none	29,755,416	23,399,178	250,003	119 bp
IonXpress_010	none	10,188,231	8,018,791	87,832	116 bp
IonXpress_014	none	10,072,593	8,013,771	83,702	120 bp
IonXpress_016	none	18,506,687	14,529,093	159,730	116 bp
IonXpress_018	none	22,202,697	17,181,142	193,316	115 bp
IonXpress_024	none	36,636,380	28,946,702	315,163	116 bp
IonXpress_026	none	12,032,609	9,444,248	105,638	114 bp
IonXpress_028	IT3R17-1GBM	654,826,017	525,660,454	6,199,579	106 bp
IonXpress_029	IT3R18-9GBM	398,219,798	313,598,595	3,636,859	109 bp

Run Report for Auto_user_IONAS-298-Lexogen_ITlab_160705_IT3R17-30_396

IonXpress_030	IT3R19-8GBF	704,350,841	558,788,964	6,461,394	109 bp
IonXpress_031	IT3R20-12GBF	751,710,080	594,328,082	7,112,307	106 bp
IonXpress_032	IT3R21-5GBaM	512,176,114	410,850,313	4,981,780	103 bp
IonXpress_033	IT3R22-3GMaF	745,034,891	586,686,834	6,750,483	110 bp
IonXpress_034	IT3R23-wt6	747,072,813	590,962,315	6,790,633	110 bp
IonXpress_035	IT3R24-wt7	489,249,731	380,747,788	4,263,775	115 bp
IonXpress_036	IT3R25-wt8	782,503,650	617,027,400	7,113,821	110 bp
IonXpress_037	IT3R26-wt9	598,063,963	471,195,487	5,519,916	108 bp
IonXpress_038	IT3R27-ko4	625,770,878	491,187,035	5,635,739	111 bp
IonXpress_039	IT3R28-ko5	663,590,297	524,304,747	6,095,915	109 bp
IonXpress_040	IT3R29-ko6	480,772,811	364,927,778	4,001,402	120 bp
IonXpress_041	IT3R30-ko7	510,647,612	403,153,173	4,687,169	109 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
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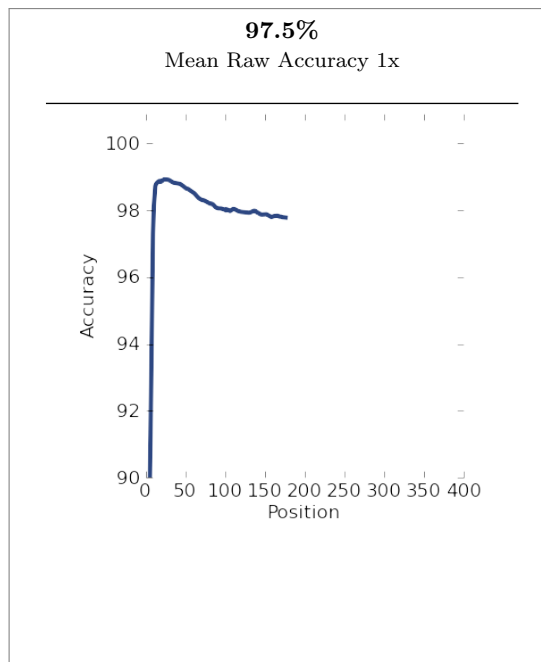
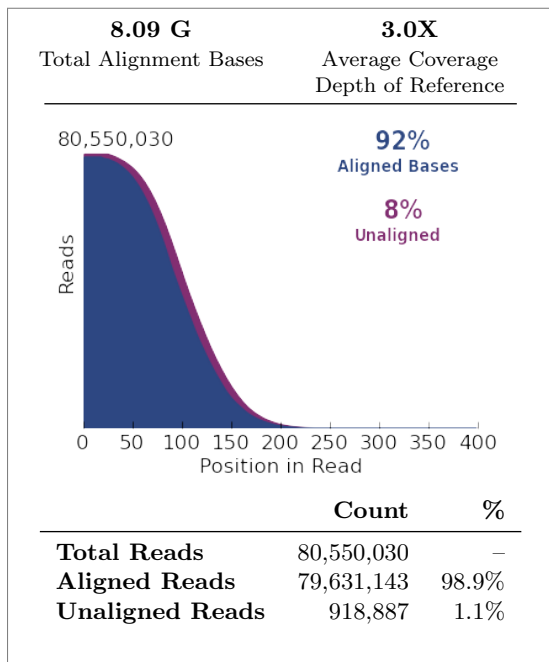
TF_C

1,519,355

68%

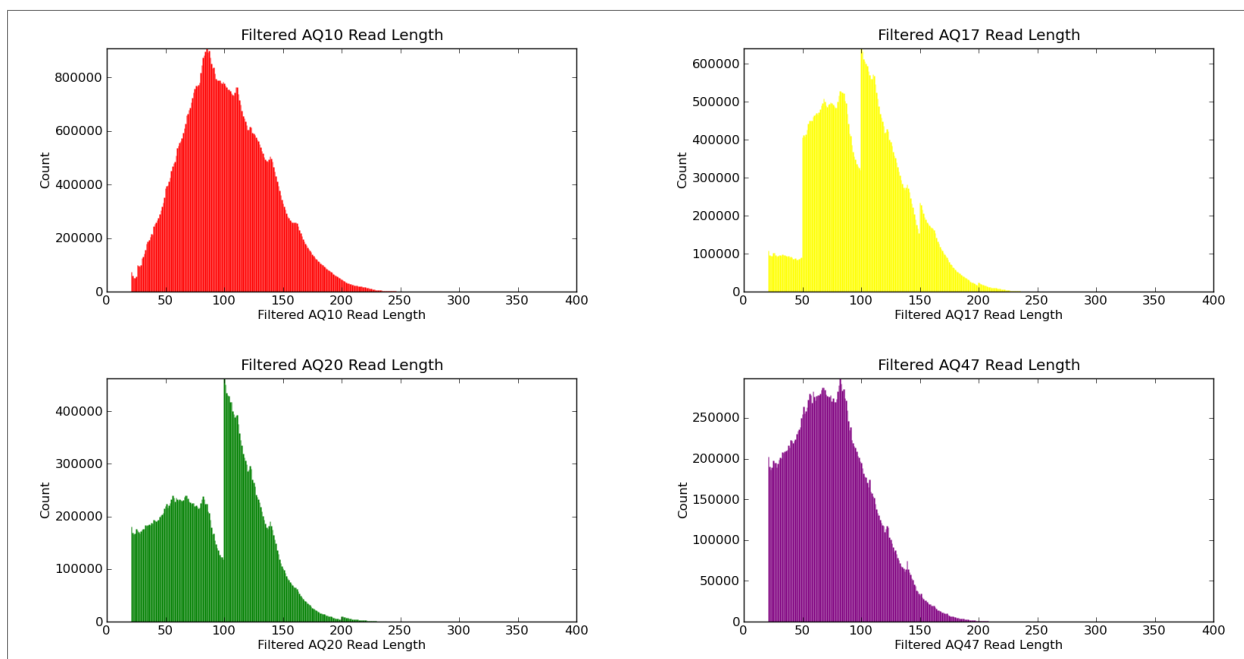


Alignment Summary (aligned to *Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	5.03 G	2.91 G	1.91 G
Mean Length [bp]	99	92	75
Longest Alignment [bp]	296	276	271
Mean Coverage Depth	1.8	1.1	0.7



Analysis Details

Run Name	R_2016_07_05_12_53_14_user_IONAS-298-Lexogen_ITlab_160705_IT3R17-30
Run Date	July 5, 2016, 12:54 p.m.
Run Flows	520
Projects	LexoGen_QuantSeq , ITLab_3RNAseq
Sample	IT3R20-12GBF, IT3R17-1GBM, IT3R21-5GBaM, IT3R18-9GBM, IT3R22-3GMaF, IT3R28-ko5, IT3R26-wt9, IT3R25-wt8, IT3R23-wt6, IT3R29-ko6, IT3R30-ko7, IT3R24-wt7, IT3R19-8GBF, IT3R27-ko4
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-298-Lexogen_ITlab_160705_IT3R17-30_396
Analysis Date	July 5, 2016, 8:39 p.m.
Analysis Flows	0
runID	O5ULB
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