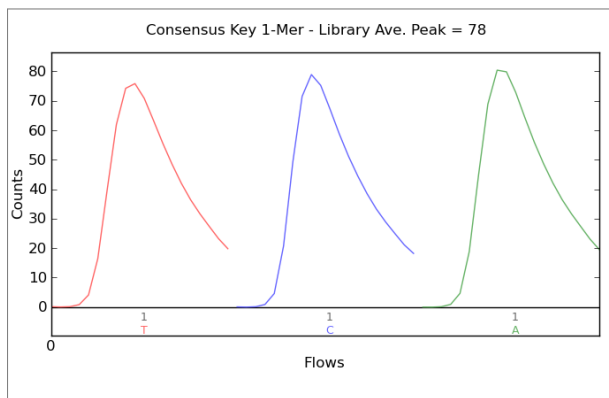
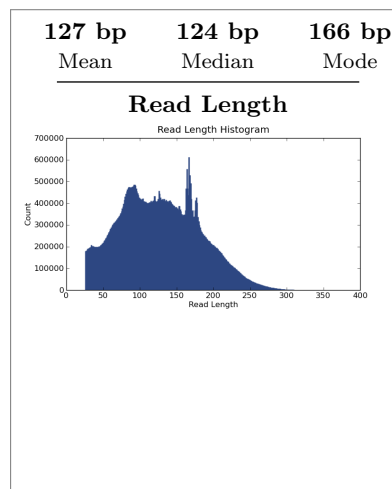
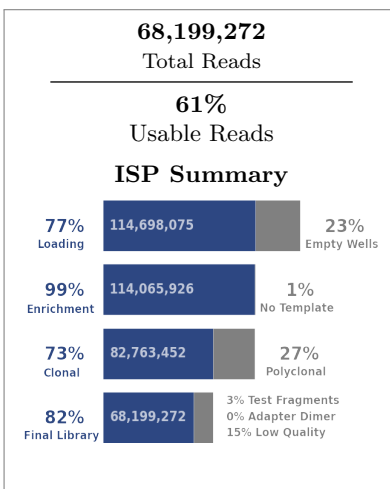
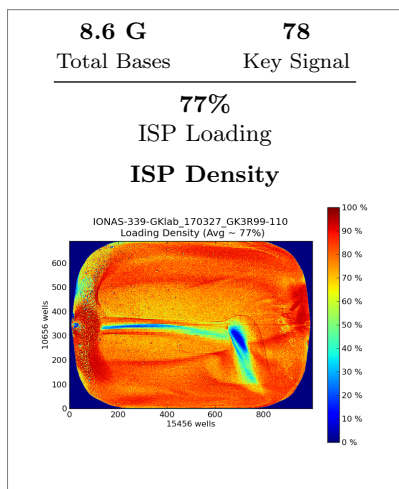


Run Summary



Addressable Wells	148,155,732	
With ISPs	114,698,075	77.4%
Live	114,065,926	99.4%
Test Fragment	2,132,438	01.9%
Library	111,933,488	98.1%
Library ISPs	111,933,488	
Filtered: Polyclonal	31,302,474	28.0%
Filtered: Low Quality	13,657,037	12.2%
Filtered: Adapter Dimer	198,681	00.2%
Final Library ISPs	68,199,272	60.9%

Notes: GKlab_12DPapadopoulouRNAs_GK3R99-110

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	334,634,089	258,724,455	2,647,097	126 bp
IonXpress_001	none	1,249,629,693	1,075,285,127	8,279,911	151 bp
IonXpress_003	GK3R99_TU1	87,721,674	67,413,881	616,257	142 bp
IonXpress_009	none	81,207,707	69,690,462	593,276	137 bp
IonXpress_025	none	31,623,116	24,225,299	246,129	128 bp
IonXpress_026	none	14,281,311	11,202,767	122,922	116 bp
IonXpress_027	none	14,739,941	11,509,522	150,870	98 bp
IonXpress_028	none	23,310,393	18,308,348	190,425	122 bp
IonXpress_029	none	29,868,384	23,094,360	249,353	120 bp
IonXpress_030	none	49,067,294	38,080,943	391,843	125 bp
IonXpress_033	none	20,887,039	16,149,303	161,205	130 bp

Run Report for Auto_user_IONAS-339-GKlab_170327_GK3R99-110_440

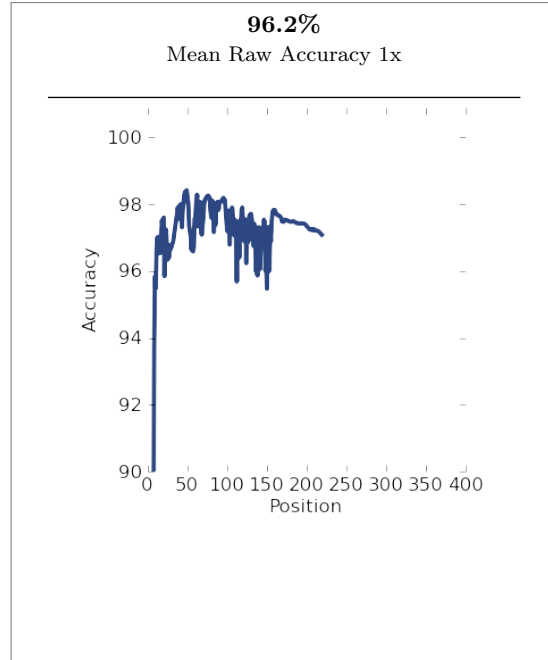
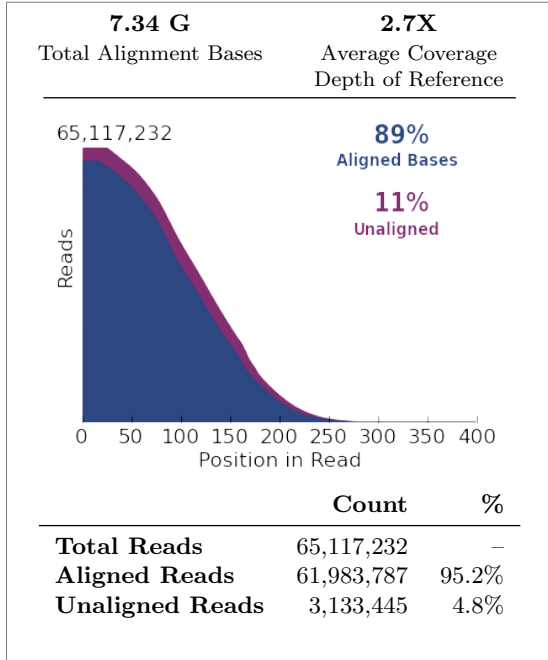
IonXpress_034	none	16,475,238	13,172,893	136,607	121 bp
IonXpress_035	none	31,325,614	24,282,775	248,409	126 bp
IonXpress_036	none	21,167,523	16,723,743	167,615	126 bp
IonXpress_037	none	20,995,515	16,956,222	171,812	122 bp
IonXpress_038	GK3R100_TU2	580,640,211	454,655,579	4,473,940	130 bp
IonXpress_039	GK3R101_TU3	930,586,544	748,962,520	8,455,855	110 bp
IonXpress_040	GK3R102_TH1	523,211,323	412,842,365	4,327,304	121 bp
IonXpress_041	GK3R103_TH2	555,806,396	435,274,077	4,349,738	128 bp
IonXpress_042	GK3R104_TH3	535,843,964	412,876,338	4,185,805	128 bp
IonXpress_043	GK3R105_TR1	442,245,896	346,881,465	3,588,162	123 bp
IonXpress_044	GK3R106_TR2	536,510,255	420,392,374	4,237,539	127 bp
IonXpress_045	GK3R107_TR3	663,345,122	526,749,935	5,324,689	125 bp
IonXpress_046	GK3R108_WU1	541,818,968	420,561,997	4,111,069	132 bp
IonXpress_047	GK3R109_WU2	572,617,889	451,666,916	4,468,556	128 bp
IonXpress_048	GK3R110_WU3	689,003,853	538,331,686	5,867,941	117 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
---------------	-------	----------------	-----------------------

TF_C	2,094,430	88%	
-------------	------------------	------------	--

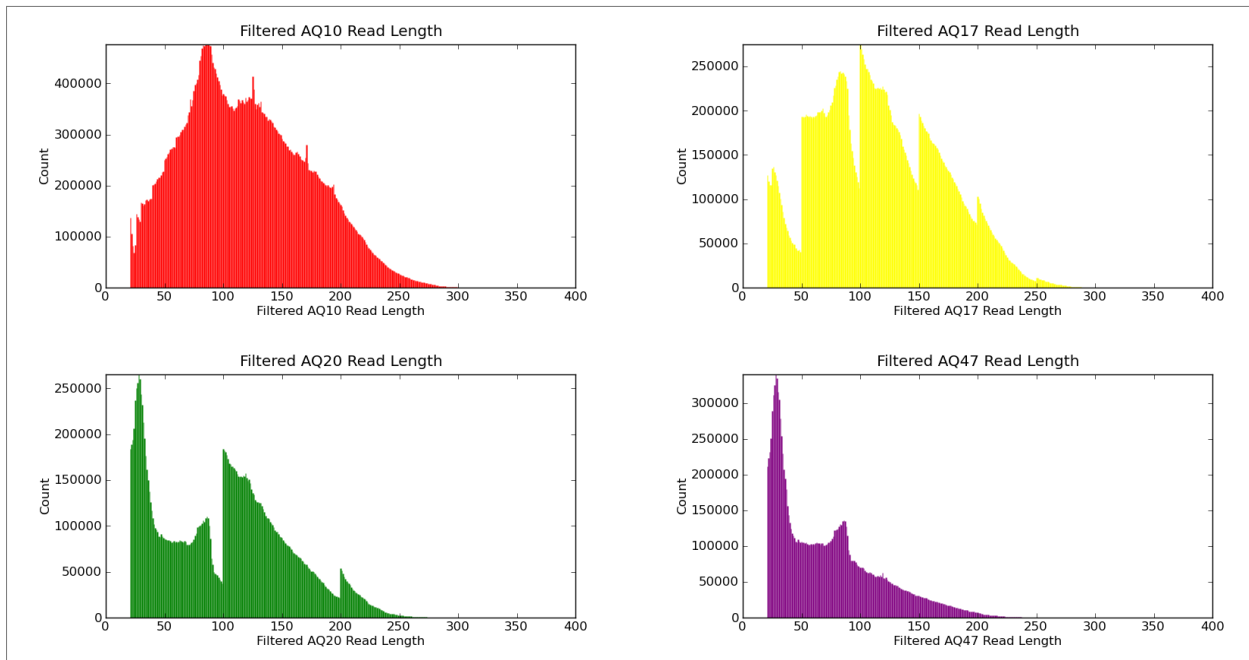


Alignment Summary (aligned to *Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	3.62 G	1.93 G	1.06 G
Mean Length [bp]	116	100	72
Longest Alignment [bp]	328	326	308
Mean Coverage Depth	1.3	0.7	0.4



Analysis Details

Run Name	R_2017_03_28_11_55_53_user_IONAS-339-GKlab_170327_GK3R99-110
Run Date	March 28, 2017, 11:57 a.m.
Run Flows	520
Projects	GKLab_3RNAseq , LexoGen_QuantSeq
Sample	GK3R102_TH1, GK3R110_WU3, GK3R99_TU1, GK3R104_TH3, GK3R101_TU3, GK3R105_TR1, GK3R103_TH2, GK3R100_TU2, GK3R107_TR3, GK3R106_TR2, GK3R109_WU2, GK3R108_WU1
Reference	IONAS
Instrument	TACGTACGTCTGAGCATCGATCGATGTACAGC
Flow Order	TCAG
Library Key	TCAG
TF Key	ATCG
Chip ID	DACJ15989
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-339-GKlab_170327_GK3R99-110_440
Analysis Date	March 29, 2017, 2:11 a.m.
Analysis Flows	0
runID	4UOGV
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	March 28, 2017, 11:04 a.m.
Chef Instrument Name	CHEF00509
Sample Position	2
Tip Rack Barcode	25206004B
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	Oct2017
Chip Expiration 2	Oct2017
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