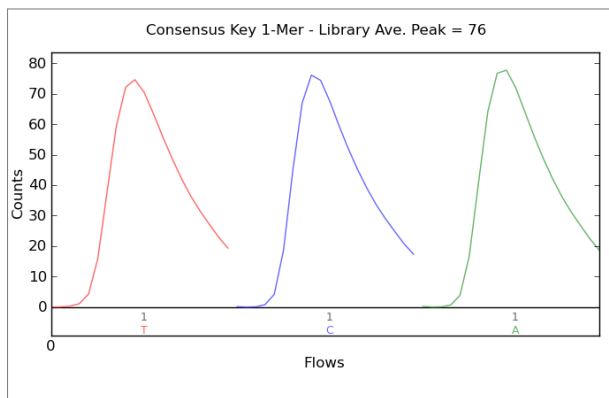
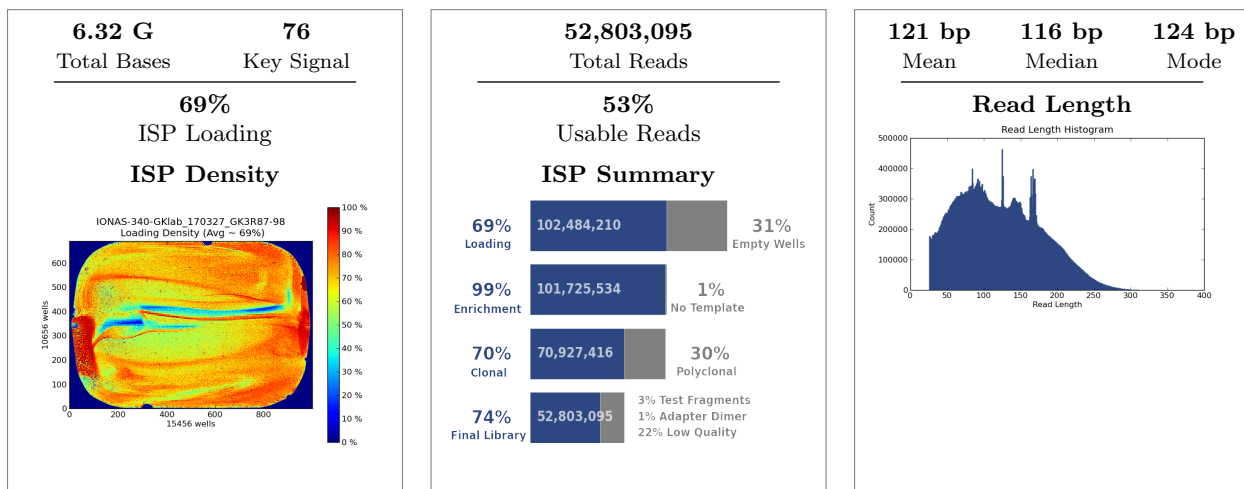


Run Summary



Addressable Wells		148,155,732
With ISPs	102,484,210	69.2%
Live	101,725,534	99.3%
Test Fragment	1,884,801	01.9%
Library	99,840,733	98.1%



Library ISPs		99,840,733
Filtered: Polyclonal	30,798,118	30.8%
Filtered: Low Quality	16,584,051	16.6%
Filtered: Adapter Dimer	746,391	00.7%
Final Library ISPs	52,803,095	52.9%

Notes: GKlab_12VKoliarakiRNAs_GK3R87-98

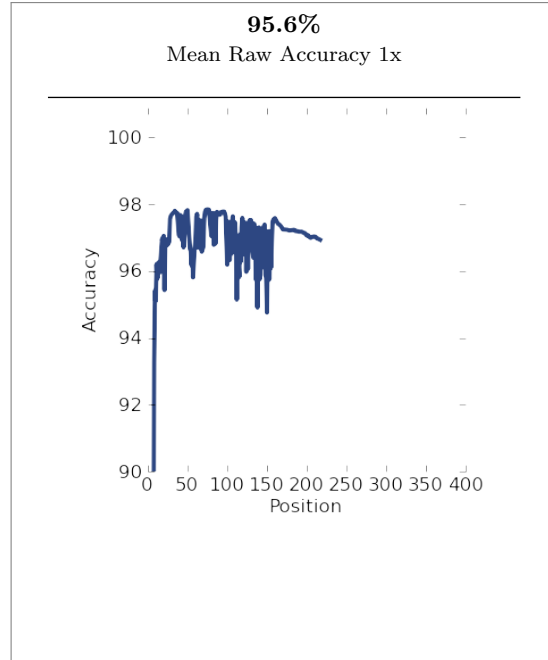
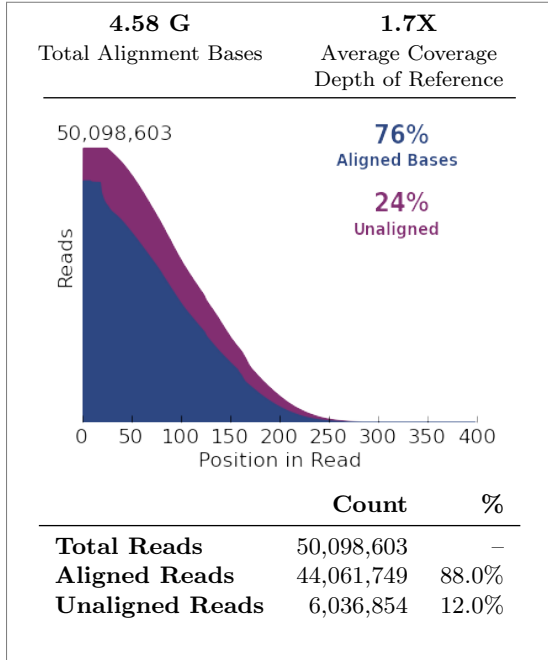
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	264,237,471	210,023,273	2,192,447	121 bp
IonXpress_001	none	11,383,220	10,367,494	108,611	105 bp
IonXpress_009	none	909,898,425	819,912,250	8,774,558	104 bp
IonXpress_010	none	13,837,461	11,324,832	106,971	129 bp
IonXpress_011	none	36,943,129	29,216,982	249,660	148 bp
IonXpress_015	none	46,013,264	42,452,813	375,009	123 bp
IonXpress_025	GK3R87-GIH1	412,502,236	324,012,772	3,233,197	128 bp
IonXpress_026	GK3R88-GIH2	329,171,549	264,997,910	2,767,650	119 bp
IonXpress_027	GK3R89-GIH3	410,417,784	331,419,071	3,325,252	123 bp
IonXpress_028	GK3R90-GIL1	266,449,622	213,930,877	2,144,636	124 bp
IonXpress_029	GK3R91-GIL2	662,957,621	524,354,715	5,038,491	132 bp

Run Report for Auto_user_IONAS-340-GKlab_170327_GK3R87-98_439

IonXpress_030	GK3R92-GIL3	574,284,421	458,646,830	4,371,139	131 bp
IonXpress_031	GK3R93-TI1	152,709,266	123,006,769	1,446,690	106 bp
IonXpress_032	GK3R94-TI2	173,207,271	139,997,360	1,832,812	95 bp
IonXpress_033	GK3R95-TI3	492,865,798	398,124,536	4,345,125	113 bp
IonXpress_034	GK3R96-UI1	68,038,978	55,092,236	548,098	124 bp
IonXpress_035	GK3R97-UI2	700,720,475	558,224,446	5,292,136	132 bp
IonXpress_036	GK3R98-UI3	475,318,509	385,515,993	3,708,501	128 bp
IonXpress_037	none	83,623,897	68,562,271	654,279	128 bp
IonXpress_038	none	33,202,168	26,105,664	245,847	135 bp
IonXpress_039	none	56,654,114	44,853,031	412,629	137 bp
IonXpress_040	none	97,130,154	76,654,823	738,818	131 bp
IonXpress_041	none	18,212,219	15,082,318	138,755	131 bp
IonXpress_042	none	17,214,488	14,251,042	136,479	126 bp
IonXpress_045	none	14,187,862	11,139,433	103,260	137 bp

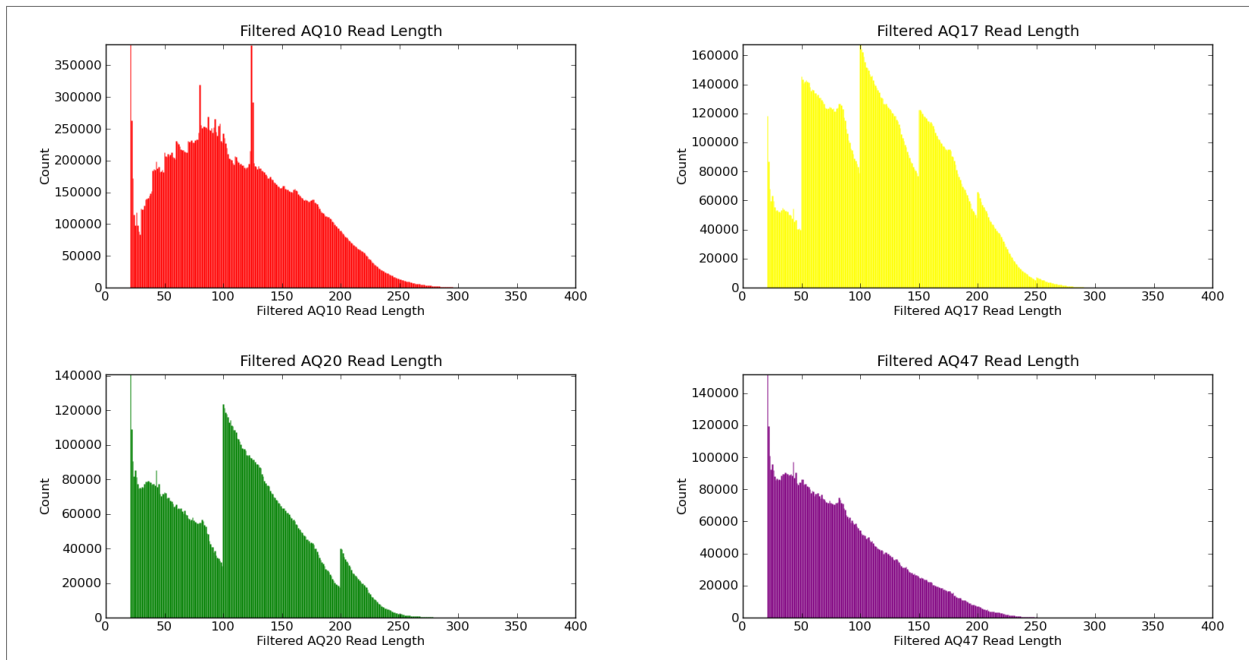
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,804,586	93%	
TF_1	16,979	95%	

Alignment Summary (aligned to *Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	2.35 G	1.37 G	756 M
Mean Length [bp]	118	108	82
Longest Alignment [bp]	331	331	307
Mean Coverage Depth	0.9	0.5	0.3



Analysis Details

Run Name	R_2017_03_28_18_54_03_user_IONAS-340-GKlab_170327_GK3R87-98
Run Date	March 28, 2017, 6:56 p.m.
Run Flows	520
Projects	GKLab_3RNAseq , LexoGen_QuantSeq
Sample	GK3R90-GIL1, GK3R96-UI1, GK3R92-GIL3, GK3R91-GIL2, GK3R94-TI2, GK3R88-GIH2, GK3R89-GIH3, GK3R98-UI3, GK3R97-UI2, GK3R87-GIH1, GK3R93-TI1, GK3R95-TI3
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DACJ15990
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-340-GKlab_170327_GK3R87-98_439
Analysis Date	March 29, 2017, 3:11 a.m.
Analysis Flows	0
runID	7D2TC
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	1
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