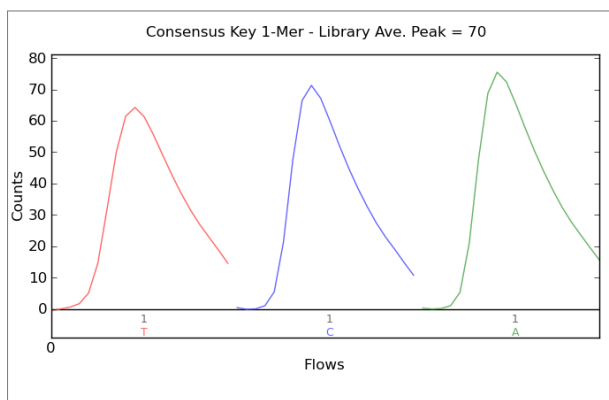
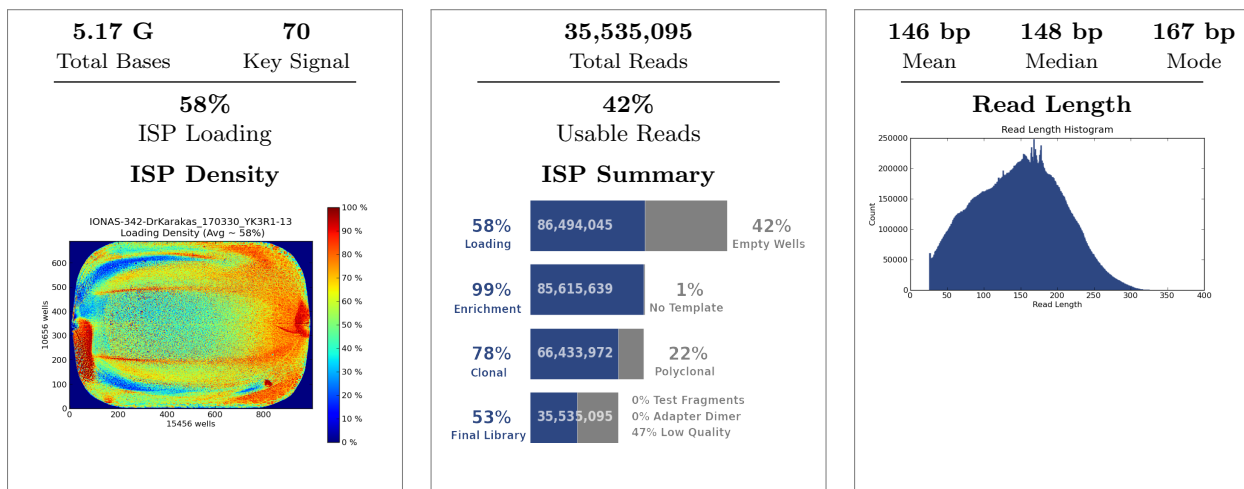


Run Summary



Addressable Wells		148,155,732
With ISPs	86,494,045	58.4%
Live	85,615,639	99.0%
Test Fragment	280,800	00.3%
Library	85,334,839	99.7%



Library ISPs		85,334,839
Filtered: Polyclonal	19,181,667	22.5%
Filtered: Low Quality	31,290,921	36.7%
Filtered: Adapter Dimer	71,272	00.1%
Final Library ISPs	35,535,095	41.6%

Notes: YKarakasiliotis_13RNAs_YK3R1-13_YK3R1-11-Mus_YK3R12-13-Homo

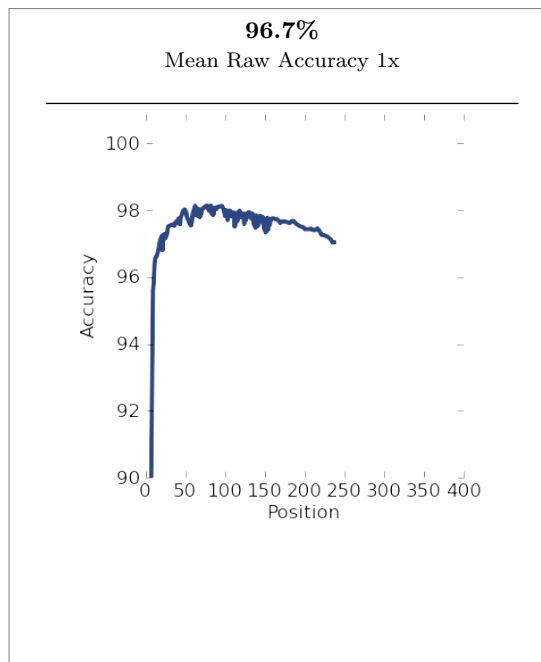
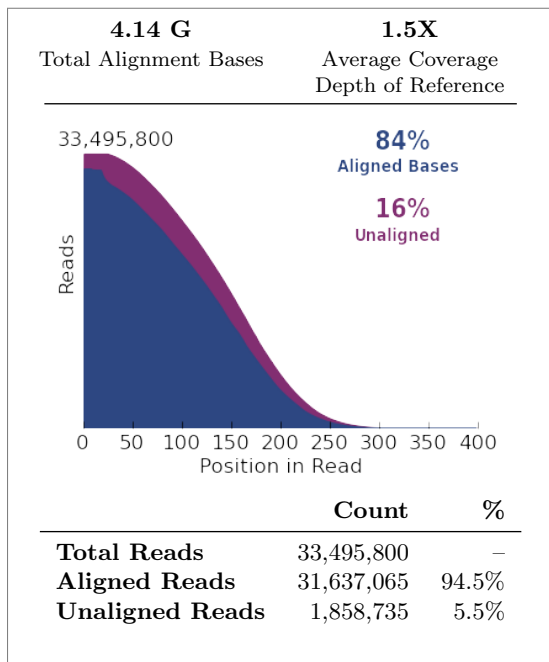
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	263,915,384	203,835,848	1,854,173	142 bp
IonXpress_001	none	194,400,654	172,553,059	1,253,404	155 bp
IonXpress_003	none	51,900,645	41,080,074	322,685	161 bp
IonXpress_005	none	6,203,577	5,509,820	49,667	125 bp
IonXpress_007	none	4,247,432	3,670,224	40,390	105 bp
IonXpress_011	none	5,592,630	4,460,957	35,994	155 bp
IonXpress_025	YK3R1-5291-4aplus	400,289,766	320,546,417	2,738,262	146 bp
IonXpress_026	YK3R2-5291-4aplus	331,153,476	268,307,934	2,271,924	146 bp
IonXpress_027	YK3R3-5291-4aplus	287,021,253	233,094,447	1,941,843	148 bp
IonXpress_028	YK3R4-5291-4aminus	287,856,690	229,038,297	1,888,433	152 bp
IonXpress_029	YK3R5-5291-4aminus	458,423,692	370,062,427	3,164,562	145 bp

Run Report for Auto_user_IONAS-342-DrKarakas_170330_YK3R1-13_444

IonXpress_030	YK3R6-5269-4fplus	443,823,670	354,690,885	2,943,172	151 bp
IonXpress_031	YK3R7-5269-4fplus	298,253,701	236,053,275	2,097,718	142 bp
IonXpress_032	YK3R8-5269-4fplus	215,506,302	176,600,971	1,659,156	130 bp
IonXpress_033	YK3R9-5269-4fminus	470,013,499	378,812,816	3,179,846	148 bp
IonXpress_034	YK3R10-5269-4fminus	300,241,931	241,037,761	1,995,501	150 bp
IonXpress_035	YK3R11-Cplus-1plus	374,951,573	301,438,229	2,598,127	144 bp
IonXpress_036	YK3R12-Cplus-shorthuh75	341,224,749	274,639,750	2,282,534	149 bp
IonXpress_037	YK3R13-vectorhuh75	341,229,860	270,976,593	2,334,101	146 bp
IonXpress_038	none	6,579,098	5,252,987	44,324	148 bp
IonXpress_039	none	74,904,380	62,273,105	580,935	129 bp
IonXpress_040	none	10,364,763	8,270,973	73,222	142 bp

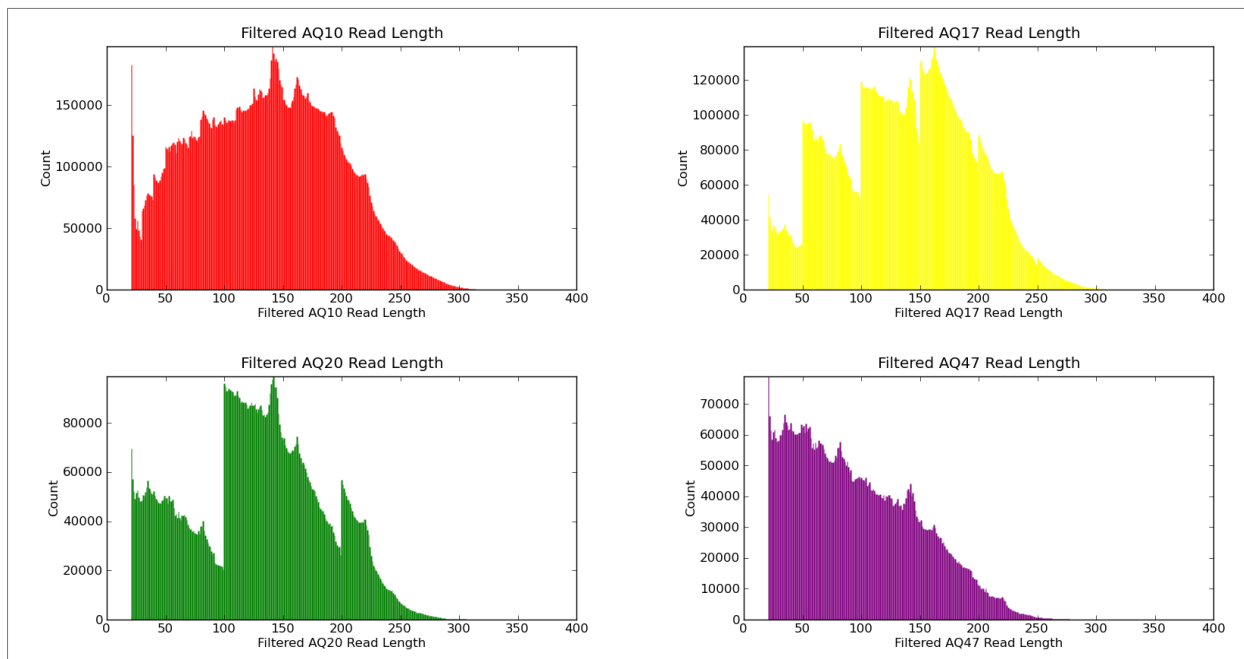
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	165,788	95%	
TF_1	99,668	88%	

Alignment Summary (aligned to *Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	2.56 G	1.53 G	758 M
Mean Length [bp]	137	128	96
Longest Alignment [bp]	337	337	313
Mean Coverage Depth	0.9	0.6	0.3



Analysis Details

Run Name	R_2017_03_31_13_20_56_user_IONAS-342-DrKarakas_170330_YK3R1-13
Run Date	March 31, 2017, 1:23 p.m.
Run Flows	520
Projects	LexoGen_QuantSeq , DrKarakasiliotis.3RNAseq
Sample	YK3R11-Cplus-1plus, YK3R4-5291-4aminus, YK3R6-5269-4fplus, YK3R10-5269-4fminus, YK3R9-5269-4fminus, YK3R7-5269-4fplus, YK3R8-5269-4fplus, YK3R1-5291-4aplus, YK3R2-5291-4aplus, YK3R3-5291-4aplus, YK3R12-Cplus-shorthuh75, YK3R5-5291-4aminus, YK3R13-vectorhuh75
Reference	IONAS
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DACJ15994
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-342-DrKarakas_170330_YK3R1-13_444
Analysis Date	March 31, 2017, 10:06 p.m.
Analysis Flows	0
runID	X1ZEG
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 31, 2017, 10:33 a.m.
Chef Instrument Name	CHEF00509
Sample Position	1
Tip Rack Barcode	45528003C
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	Oct2017
Chip Expiration 2	Oct2017
Templating Kit Type	Ion PI Hi-Q Chef Kit
Reagent Expiration	03710
Reagent Lot Number	1703710
Reagent Part Number	A27284C
Solution Lot Number	1703711
Solution Part Number	A27282C
Solution Expiration	03711
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