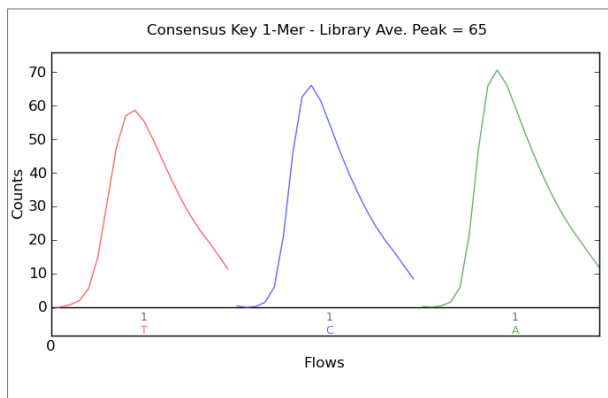
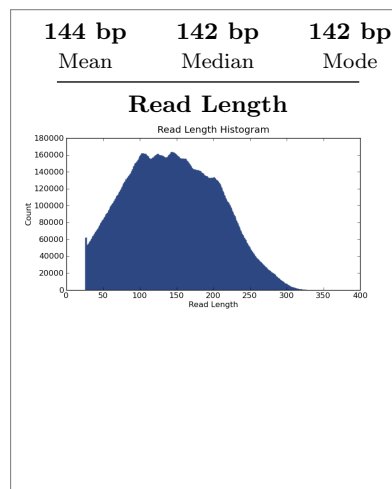
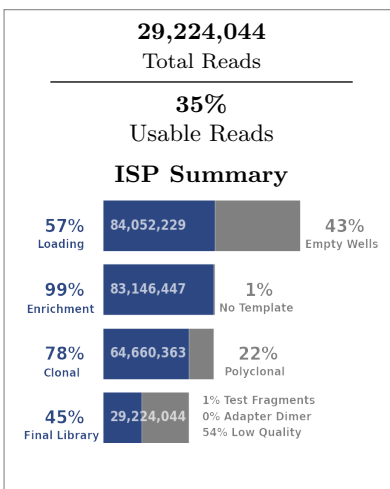
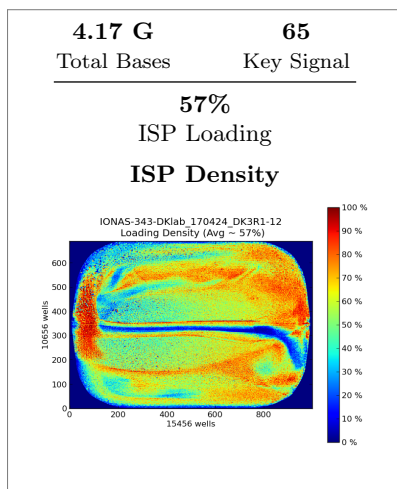


Run Summary



Addressable Wells		148,155,732
With ISPs	84,052,229	56.7%
Live	83,146,447	98.9%
Test Fragment	456,104	00.5%
Library	82,690,343	99.5%


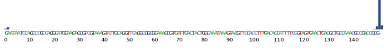
Library ISPs		82,690,343
Filtered: Polyclonal	18,486,084	22.4%
Filtered: Low Quality	35,204,274	42.6%
Filtered: Adapter Dimer	13,042	00.0%
Final Library ISPs	29,224,044	35.3%

Notes: DKlab_3RNAseq-12samples

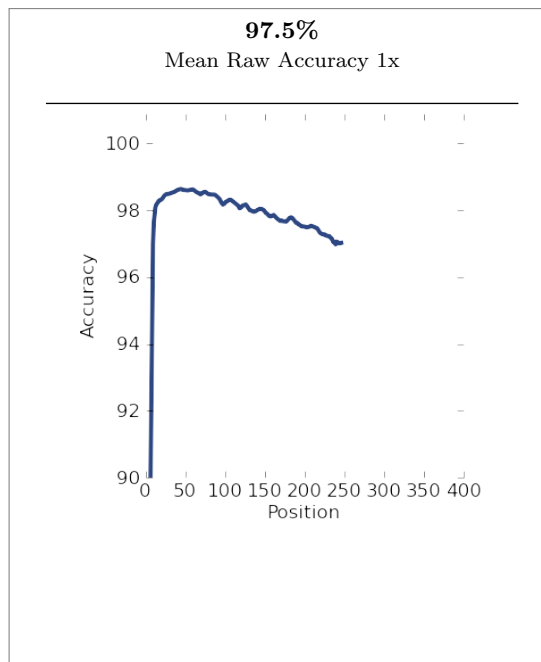
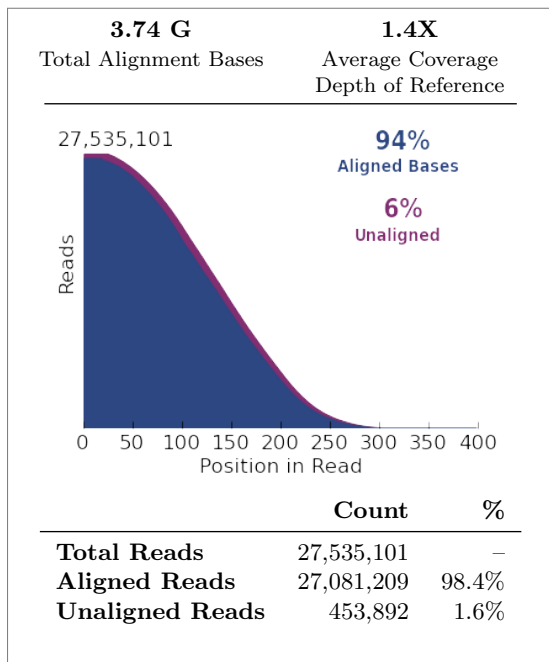
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	184,855,199	134,656,011	1,437,763	129 bp
IonXpress_006	none	4,049,537	3,579,109	35,147	115 bp
IonXpress_025	none	9,182,428	7,076,544	63,368	145 bp
IonXpress_027	none	3,879,080	3,080,601	31,222	124 bp
IonXpress_028	none	6,965,135	5,543,616	49,944	139 bp
IonXpress_029	none	14,834,007	11,592,808	108,896	136 bp
IonXpress_030	none	12,512,838	9,787,186	89,886	139 bp
IonXpress_032	DK3R1r-C1	303,155,977	233,773,163	2,031,406	149 bp
IonXpress_033	none	8,477,072	6,563,702	59,963	141 bp
IonXpress_034	none	4,036,785	3,244,285	31,039	130 bp
IonXpress_035	none	12,442,207	9,657,678	88,697	140 bp

Run Report for Auto_user_IONAS-343-DKlab_170424_DK3R1-12_447

IonXpress_036	none	28,126,722	22,780,258	208,503	135 bp
IonXpress_037	none	7,222,908	5,812,077	54,736	132 bp
IonXpress_038	DK3R2r-C2	313,895,359	243,940,865	2,073,352	151 bp
IonXpress_039	DK3R3r-C3	351,348,630	276,604,499	2,474,771	142 bp
IonXpress_040	DK3R4b-K23	293,404,841	227,569,015	2,049,128	143 bp
IonXpress_041	DK3R5-K2	290,199,585	232,365,560	2,181,338	133 bp
IonXpress_042	DK3R6-K3	236,205,116	185,534,536	1,586,921	149 bp
IonXpress_043	DK3R7-C1L4	379,639,107	293,653,564	2,564,939	148 bp
IonXpress_044	DK3R8-C2L4	331,991,868	262,686,574	2,316,573	143 bp
IonXpress_045	DK3R9r-C3L4	287,701,142	225,684,935	1,994,621	144 bp
IonXpress_046	DK3R10b-K23L4	326,750,101	254,314,259	2,251,092	145 bp
IonXpress_047	DK3R11-K2L4	318,081,721	250,806,898	2,209,027	144 bp
IonXpress_048	DK3R12-K3L4	437,703,229	338,997,704	2,980,532	147 bp

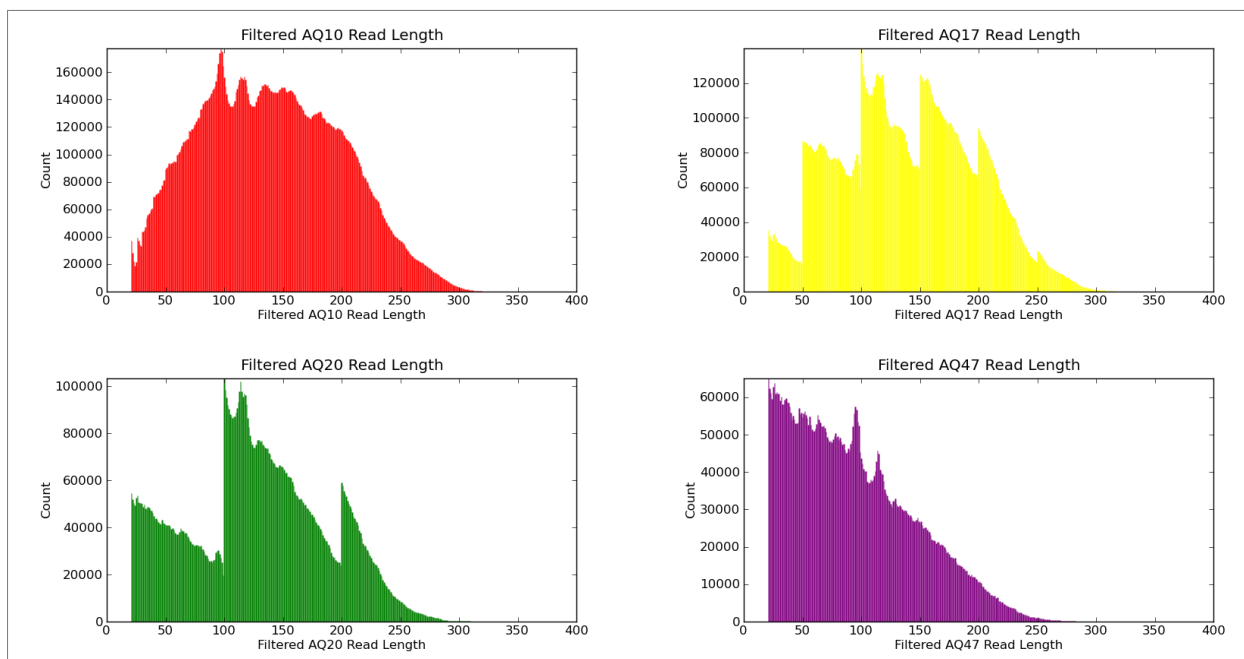
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	197,909	96%	
TF_1	221,081	85%	

Alignment Summary (aligned to *Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	2.45 G	1.41 G	669 M
Mean Length [bp]	139	128	93
Longest Alignment [bp]	350	350	317
Mean Coverage Depth	0.9	0.5	0.2



Analysis Details

Run Name	R_2017_04_25_10_53_17_user_IONAS-343-DKlab_170424_DK3R1-12
Run Date	April 25, 2017, 10:55 a.m.
Run Flows	520
Projects	LexoGen_QuantSeq , DKLab_3RNAseq
Sample	DK3R1r-C1, DK3R11-K2L4, DK3R3r-C3, DK3R4b-K23, DK3R8-C2L4, DK3R9r-C3L4, DK3R12-K3L4, DK3R7-C1L4, DK3R2r-C2, DK3R6-K3, DK3R10b-K23L4, DK3R5-K2
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DACD11995
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-343-DKlab_170424_DK3R1-12_447
Analysis Date	April 25, 2017, 7:59 p.m.
Analysis Flows	0
runID	DVW1L
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	April 25, 2017, 10:31 a.m.
Chef Instrument Name	CHEF00509
Sample Position	2
Tip Rack Barcode	455280061
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	Apr2017
Chip Expiration 2	Apr2017
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