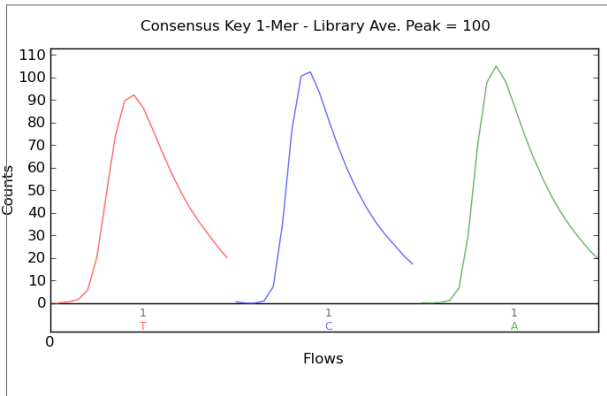
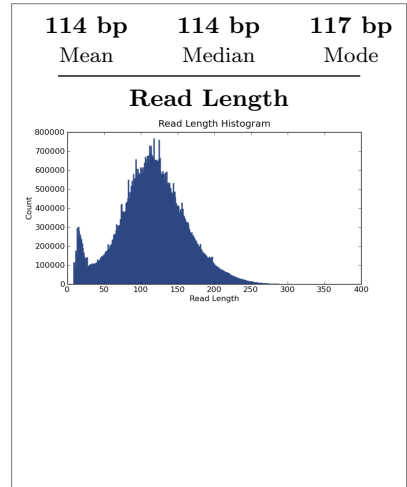
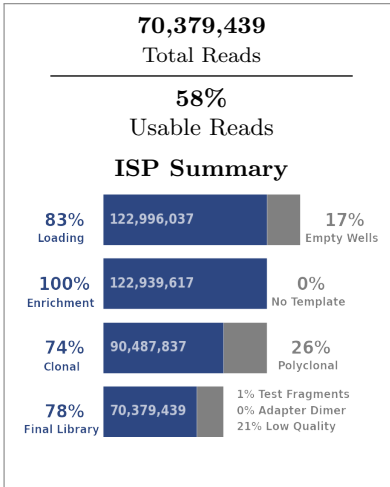
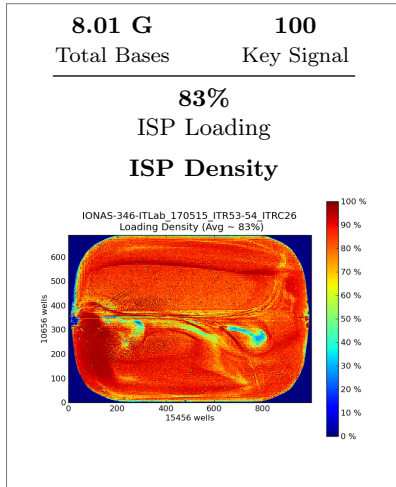


Run Summary



Addressable Wells	148,155,732	
With ISPs	122,996,037	83.0%
Live	122,939,617	100.0%
Test Fragment	1,066,568	00.9%
Library	121,873,049	99.1%
Library ISPs	121,873,049	
Filtered: Polyclonal	32,451,780	26.6%
Filtered: Low Quality	20,116,679	16.5%
Filtered: Adapter Dimer	48,958	00.0%
Final Library ISPs	70,379,439	57.7%

Notes: ITlab_7RNaseqSamples_ITRC2EPsamples

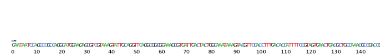
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	150,877,130	84,121,215	3,217,969	47 bp
IonXpressRNA_002	ITR53-Set9ko3	56,223	47,367	442	127 bp
IonXpressRNA_003	none	3,224,855,388	2,706,094,684	25,538,555	126 bp
IonXpressRNA_004	none	3,520,302,481	2,954,524,812	29,500,336	119 bp
IonXpressRNA_014	ITR54-Set9ko4	1,117,620	940,109	9,201	121 bp
IonXpressRNA_015	ITRC26-ko1A	13,360	11,051	119	112 bp
IonXpressRNA_016	none	1,113,871,831	944,092,780	12,110,658	92 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	652,655	96%	

TF_1

387,965

90%



Analysis Details

Run Name	R_2017_05_16_14_59_10_user_IONAS-346-ITLab_170515-ITR53-54_ITRC26
Run Date	May 16, 2017, 3:02 p.m.
Run Flows	520
Projects	ITLab_uRNA , ITLab_RNASeq
Sample Reference	ITR53-Set9ko3, ITR54-Set9ko4, ITRC26-ko1A
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DACD11972
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpressRNA
Analysis Name	Auto_user_IONAS-346-ITLab_170515-ITR53-54_ITRC26_449
Analysis Date	May 17, 2017, 12:02 a.m.
Analysis Flows	0
runID	T0X5Q
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 -min-read-length 8 -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	May 16, 2017, 11:01 a.m.
Chef Instrument Name	CHEF00509
Sample Position	2
Tip Rack Barcode	44C1100C1
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