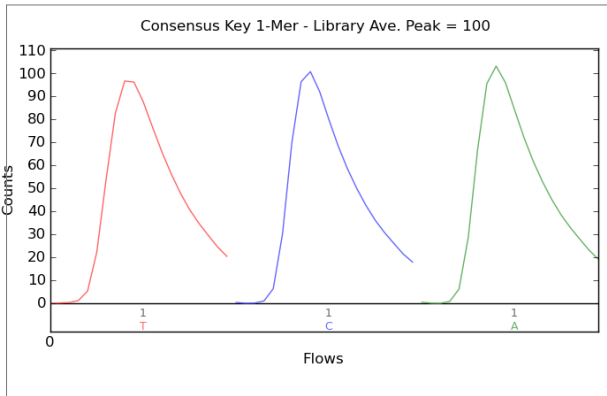
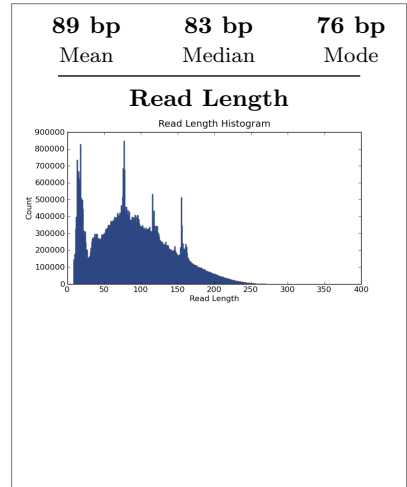
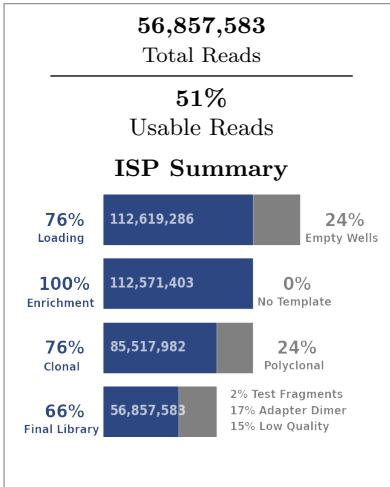
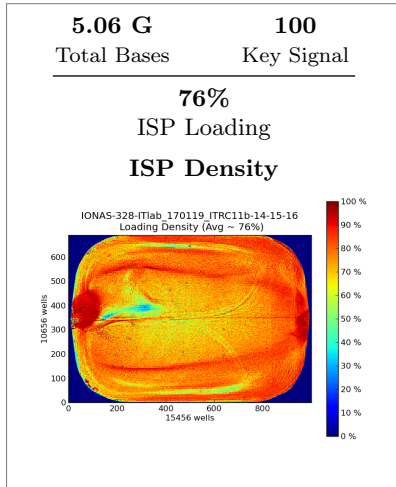


Run Summary



Addressable Wells	148,155,732	
With ISPs	112,619,286	76.0%
Live	112,571,403	100.0%
Test Fragment	1,969,774	01.7%
Library	110,601,629	98.3%
Library ISPs	110,601,629	
Filtered: Polyclonal	27,053,421	24.5%
Filtered: Low Quality	13,208,604	11.9%
Filtered: Adapter Dimer	14,112,025	12.8%
Final Library ISPs	56,857,583	51.4%

Notes: ITlab_4uRNAs_wtvsko_EUStrept

Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	138,780,363	58,341,868	5,068,239	27 bp
IonXpressRNA_001	ITRC11b-wt2EUstrep	1,713,837,163	1,439,520,847	18,078,075	95 bp
IonXpressRNA_002	ITRC14-wt1EUstrep	791,930,504	664,079,706	9,022,978	88 bp
IonXpressRNA_003	ITRC15-SET8ko1EUstrep	1,938,372,752	1,623,037,533	18,082,361	107 bp
IonXpressRNA_004	ITRC16-SET8ko2EUstrep	472,767,994	406,452,379	6,601,622	72 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,883,637	93%	

Analysis Details

Run Name	R_2017_01_20_11.06_39_user_IONAS-328-ITlab_170119_ITRC11b-14-15-16
Run Date	Jan. 20, 2017, 11:08 a.m.
Run Flows	520
Projects	ITLab_uRNA
Sample	ITRC16-SET8ko2EUstrep, ITRC11b-wt2EUstrep, ITRC15-SET8ko1EUstrep, ITRC14-wt1EUstrep
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DABE25246
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpressRNA
Analysis Name	Auto_user_IONAS-328-ITlab_170119_ITRC11b-14-15-16_429
Analysis Date	Jan. 20, 2017, 6:03 p.m.
Analysis Flows	0
runID	3005Q
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	Jan. 20, 2017, 11:05 a.m.
Chef Instrument Name	CHEF00509
Sample Position	2
Tip Rack Barcode	252190053
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	May2016
Chip Expiration 2	May2016
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