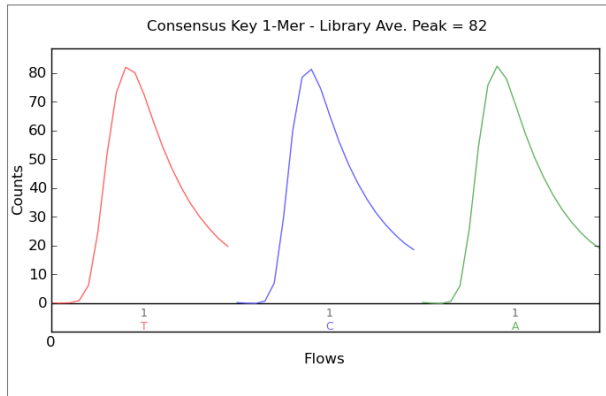
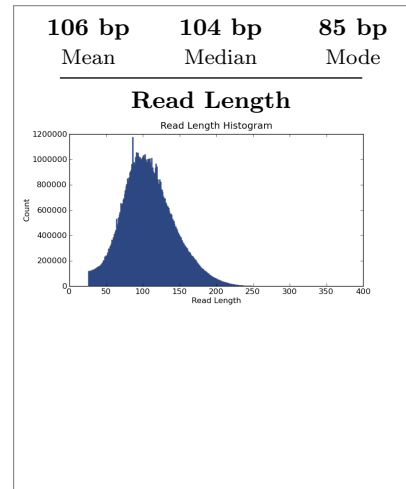
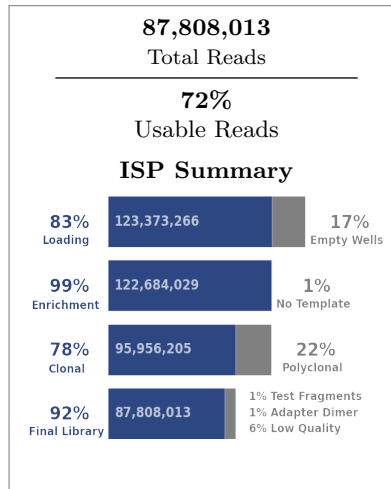
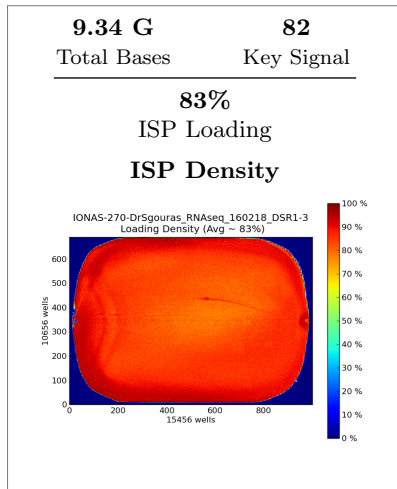


Run Summary



Addressable Wells		148,155,732
With ISPs	123,373,266	83.3%
Live	122,684,029	99.4%
Test Fragment	1,483,269	01.2%
Library	121,200,760	98.8%

Library ISPs		121,200,760
Filtered: Polyclonal	26,727,824	22.1%
Filtered: Low Quality	6,142,604	05.1%
Filtered: Adapter Dimer	541,011	00.4%
Final Library ISPs	87,808,013	72.4%

Notes: DrSgouras_12RNAseq_DSR1-cagAKO1-bc1_DSR2-cagAKO2-bc2_DSR3-ABCC1-bc3

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	157,111,654	117,372,598	1,321,575	119 bp
IonXpressRNA_001	DSR1-cagAKO1	2,953,426,411	2,277,680,039	26,483,035	112 bp
IonXpressRNA_002	DSR2-cagAKO2	3,184,210,065	2,494,912,073	30,817,434	103 bp
IonXpressRNA_003	DSR3-ABCC1	3,049,304,936	2,414,918,846	29,181,587	104 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	1,219,942	81%	

RNASeqAnalysis

Reference: hg19

Barcode Name	Sample	Total Reads	Aligned Reads	Percent Aligned	Mean Read Length	Genes Detected	Isoforms Detected
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Analysis Details

Run Name	R_2016_02_19_14_10_46_user_IONAS-270-DrSgouras_RNAseq_160218_DSR1-3
Run Date	Feb. 19, 2016, 2:13 p.m.
Run Flows	520
Projects	DrSgouras_RNAseq
Sample	DSR1-cagAKO1, DSR2-cagAKO2, DSR3-ABCC1
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DA0052314
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpressRNA
Analysis Name	Auto_user_IONAS-270-DrSgouras_RNAseq_160218_DSR1-3_365
Analysis Date	Feb. 19, 2016, 10:29 p.m.
Analysis Flows	0
runID	HHBZT
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	Feb. 19, 2016, 10:36 a.m.
Chef Instrument Name	CHEF00509
Sample Position	1
Tip Rack Barcode	252060061
Chip Type 1	P1v2
Chip Type 2	P1v2
Chip Expiration 1	None
Chip Expiration 2	None
Templating Kit Type	ION PROTON IC 200 KIT
Reagent Expiration	01987
Reagent Lot Number	0023442
Reagent Part Number	100023442
Solution Lot Number	0022894
Solution Part Number	100022894
Solution Expiration	01986
Chef Script Version	261
Chef Package Version	IC.5.0.0

Software Version

Torrent_Suite	5.0.2
host	FW7DQV1
ion-analysis	5.0.7-1
ion-chefupdates	5.0.1
ion-dbreports	5.0.19-1
ion-gpu	5.0.0-1
ion-pipeline	5.0.12-1
ion-plugins	5.0.17-1
ion-protonupdates	5.0.2
ion-torrentr	5.0.0-1
Script	2.1.33
LiveView	2040
DataCollect	3191
OIA	5002
OS	29
Graphics	52
Ion.Chef	IC.5.0.0