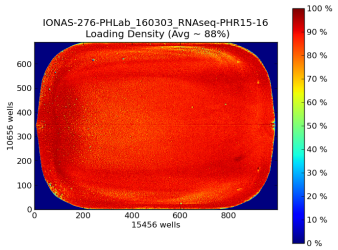
Run Summary

6.8 G Total Bases | **84** Key Signal

88% ISP Loading

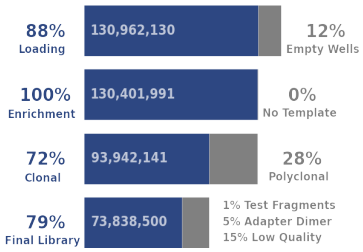
ISP Density



73,838,500 Total Reads

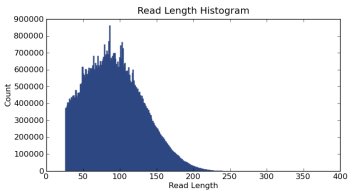
57% Usable Reads

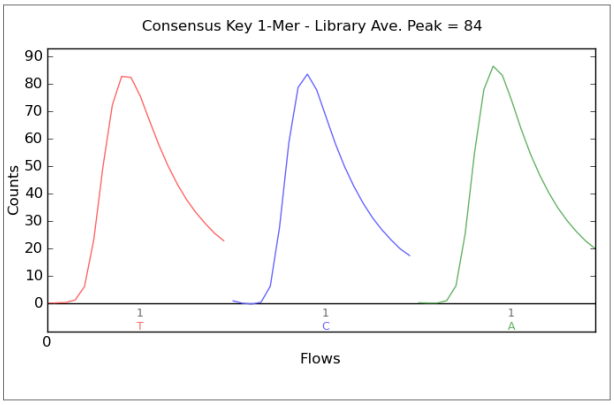
ISP Summary



92 bp Mean | **89 bp** Median | **85 bp** Mode

Read Length





Addressable Wells	**148,155,732**	
With ISPs	130,962,130	88.4%
Live	130,401,991	99.6%
Test Fragment	1,198,924	00.9%
Library	129,203,067	99.1%

Library ISPs	**129,203,067**	
Filtered: Polyclonal	36,459,850	28.2%
Filtered: Low Quality	15,760,522	12.2%
Filtered: Adapter Dimer	4,568,882	03.5%
Final Library ISPs	**73,838,500**	**57.1%**

Notes: PHLab_4RNA_PHR15-IGSH31CON1-bc7_PHR16-IGSH31CON2-bc8

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	93,070,343	62,548,651	1,089,949	85 bp
IonXpressRNA_007	PHR15-CON1	4,710,356,040	3,564,060,170	46,403,231	102 bp
IonXpressRNA_008	PHR16-CON2	1,999,593,237	1,506,027,254	26,345,161	76 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	**1,034,995**	**76%**	

Analysis Details

Run Name	R_2016_03_04_14_36_40_user_IONAS-276-PHLab_160303_RNAseq-PHR15-16
Run Date	March 4, 2016, 2:39 p.m.
Run Flows	520
Projects	PHLab_RNASeq
Sample	PHR15-CON1, PHR16-CON2
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DAAK00966
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpressRNA
Analysis Name	Auto_user_IONAS-276-PHLab_160303_RNAseq-PHR15-16_371
Analysis Date	March 5, 2016, 12:01 a.m.
Analysis Flows	0
runID	O95CW
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 –gpt /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 4, 2016, 10:33 a.m.
Chef Instrument Name	CHEF00509
Sample Position	1
Tip Rack Barcode	2522501AC
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	Nov2015
Chip Expiration 2	Apr2016
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