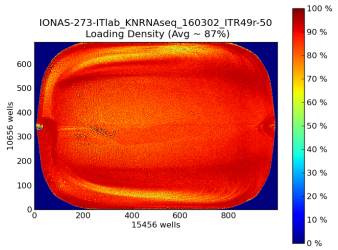
Run Summary

9.82 G Total Bases | **77** Key Signal

87% ISP Loading

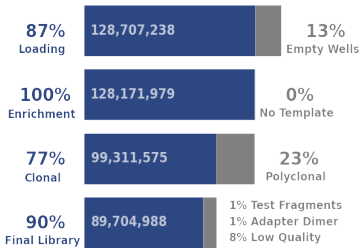
ISP Density



89,704,988 Total Reads

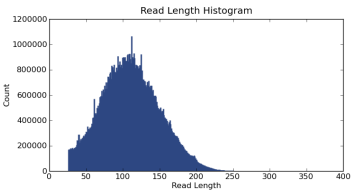
71% Usable Reads

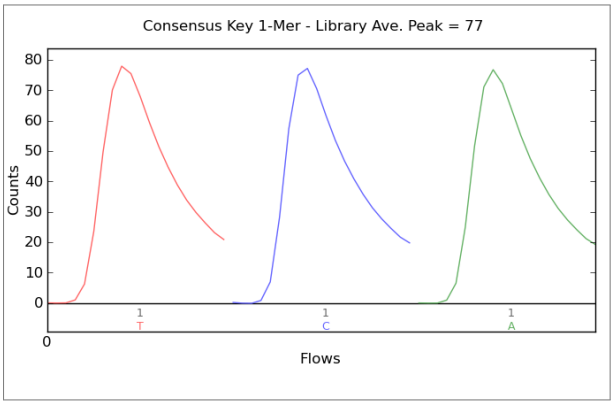
ISP Summary



109 bp Mean | **108 bp** Median | **111 bp** Mode

Read Length





Addressable Wells	**148,155,732**	
With ISPs	128,707,238	86.9%
Live	128,171,979	99.6%
Test Fragment	1,573,425	01.2%
Library	126,598,554	98.8%

Library ISPs	**126,598,554**	
Filtered: Polyclonal	28,860,404	22.8%
Filtered: Low Quality	9,071,162	07.2%
Filtered: Adapter Dimer	877,778	00.7%
Final Library ISPs	**89,704,988**	**70.9%**

Notes: ITlab_2KNRNAseq_ITR49r-wt1-bc15_ITR50-wt6-bc16

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	102,556,535	75,393,253	872,022	118 bp
IonXpressRNA_015	ITR49r-wt1	5,238,761,163	4,007,496,286	44,813,992	117 bp
IonXpressRNA_016	ITR50-wt6	4,481,161,055	3,520,185,404	44,018,367	102 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	**1,385,443**	**77%**	

Analysis Details

Run Name	R_2016_03_03_11_22_16_user_IONAS-273-ITlab_KNRNAseq_160302_ITR49r-50
Run Date	March 3, 2016, 11:24 a.m.
Run Flows	520
Projects	ITLab_RNASeq
Sample	ITR49r-wt1, ITR50-wt6
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	DAAK00956
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpressRNA
Analysis Name	Auto_user_IONAS-273-ITlab_KNRNAseq_160302_ITR49r-50_369
Analysis Date	March 3, 2016, 7:47 p.m.
Analysis Flows	0
runID	I9Q97
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/gpt$_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 3, 2016, 10:33 a.m.
Chef Instrument Name	CHEF00509
Sample Position	1
Tip Rack Barcode	2522501DC
Chip Type 1	P1v3
Chip Type 2	P1v3
Chip Expiration 1	Nov2015
Chip Expiration 2	Feb2016
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