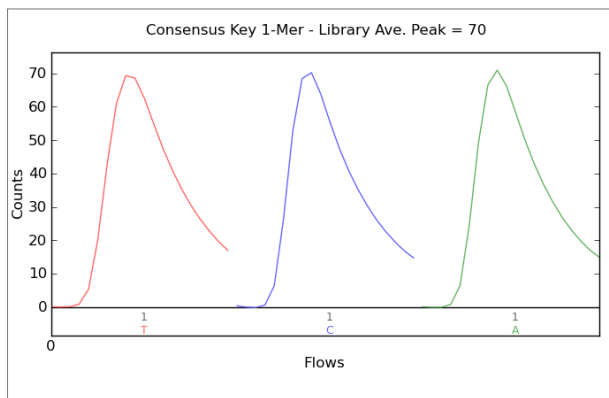
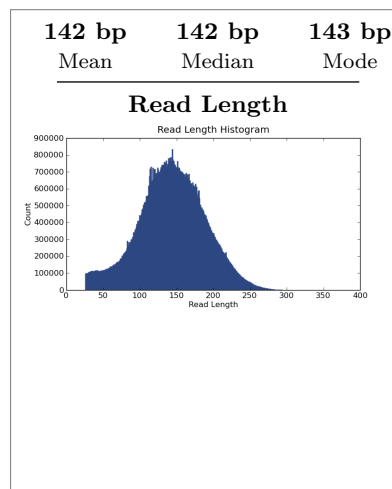
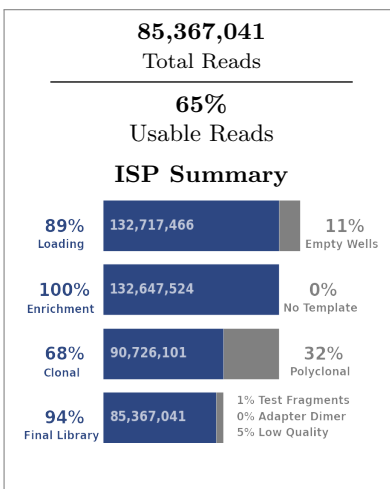
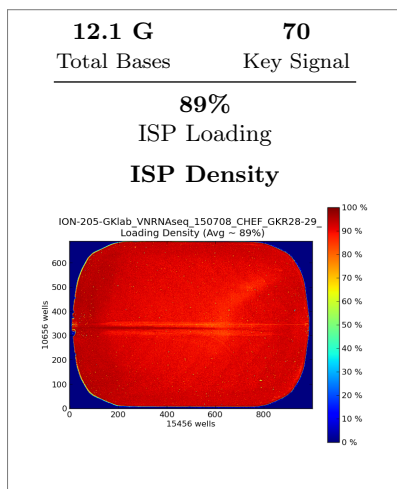


Run Summary



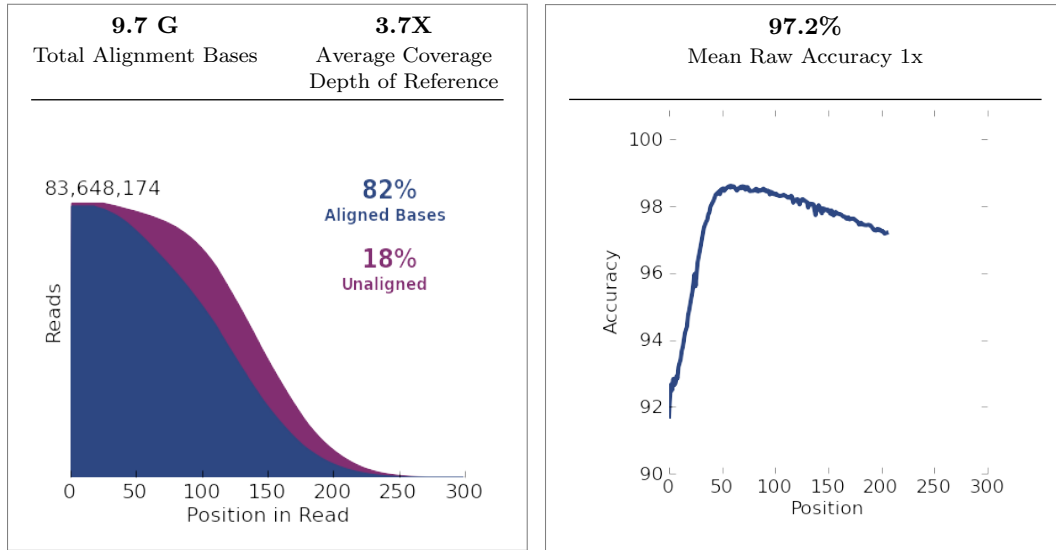
Addressable Wells	148,603,956	
With ISPs	132,717,466	89.3%
Live	132,647,524	99.9%
Test Fragment	690,480	00.5%
Library	131,957,044	99.5%
Library ISPs	131,957,044	
Filtered: Polyclonal	41,921,423	31.8%
Filtered: Low Quality	4,555,006	03.5%
Filtered: Primer Dimer	158,252	00.1%
Final Library ISPs	85,367,041	64.7%

Notes: GKlab_VN-18RNAsamples_GKR28-III3h-bc9_GKR29-III6h-bc10

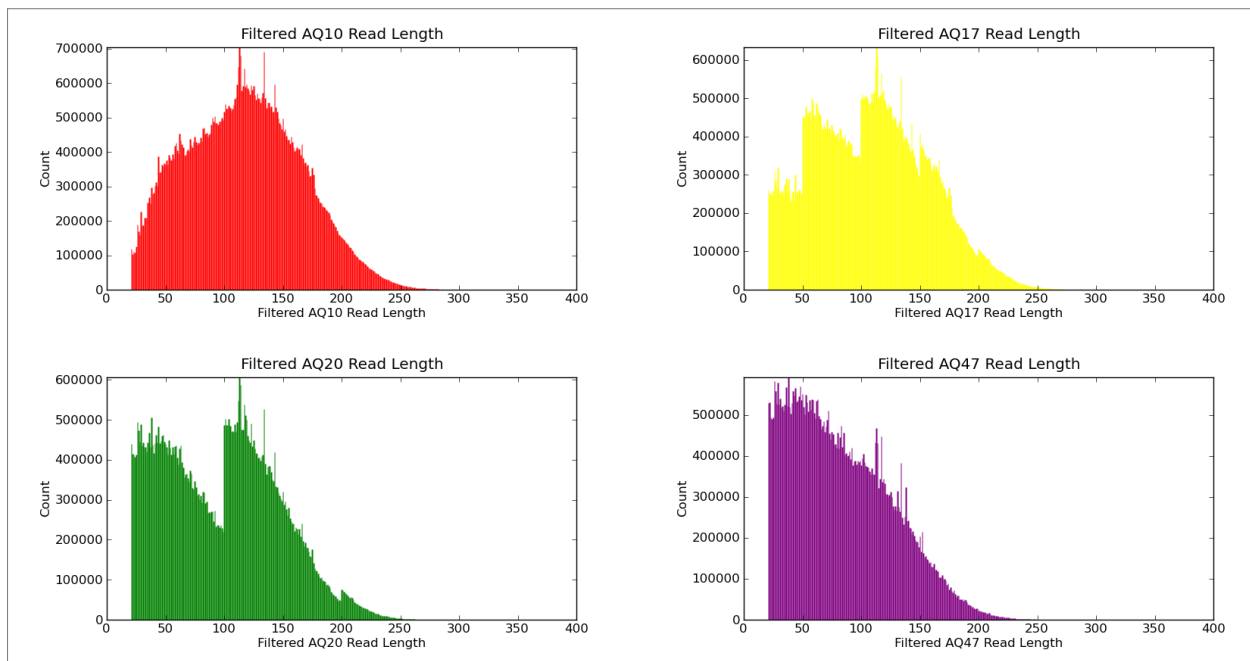
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	233,000,491	181,251,575	1,717,524	136 bp
IonXpressRNA_009	GKR28-III3h	5,135,827,759	4,176,381,903	34,256,443	150 bp
IonXpressRNA_010	GKR29-III6h	6,739,785,371	5,585,693,967	49,391,731	136 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	599,013	69%	

Alignment Summary *(aligned to Mus musculus)*



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	7 G	5.9 G	4.9 G
Mean Length [bp]	108	98	83
Longest Alignment [bp]	326	309	296
Mean Coverage Depth	2.7	2.3	1.9



Analysis Details

Run Name	R_2015_07_10_12.30.50_user_ION-205-GKlab_VNRNAseq_150708_CHEF_GKR28-29_
Run Date	July 10, 2015, 12:32 p.m.
Run Flows	520
Projects	GKLab_RNASeq
Sample	GKR28-III3h, GKR29-III6h
Reference	
Instrument	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpressRNA
Analysis Name	Auto_user_ION-205-GKlab_VNRNAseq_150708_CHEF_GKR28-29_289
Analysis Date	July 11, 2015, 1:57 a.m.
Analysis Flows	0
runID	ALDG1

Chef Summary

Chef Instrument Name	CHEF00509
Sample Position	2
Tip Rack Barcode	252180152
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	151225
Reagent Lot Number	0023442
Reagent Part Number	100023442
Solution Lot Number	0022894
Solution Part Number	100022894
Solution Expiration	151231
Chef Version	IC.4.4.2
Chef Software Last Update Date	July 10, 2015, 8:33 a.m.

Software Version

Torrent_Suite	4.4.3
host	FW7DQV1
ion-analysis	4.4.11-1
ion-chefupdates	4.4.5
ion-dbreports	4.4.38-1
ion-gpu	4.4.1-1
ion-pipeline	4.4.15-1
ion-plugins	4.4.23-1
ion-protonupdates	4.4.3
ion-torrentr	4.4.0-1
LiveView	1930
DataCollect	3030
OIA	4402
OS	27
Graphics	38
Ion_Chef	IC.4.4.2