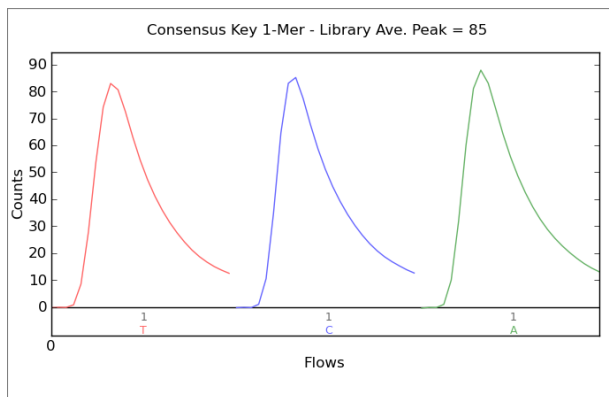
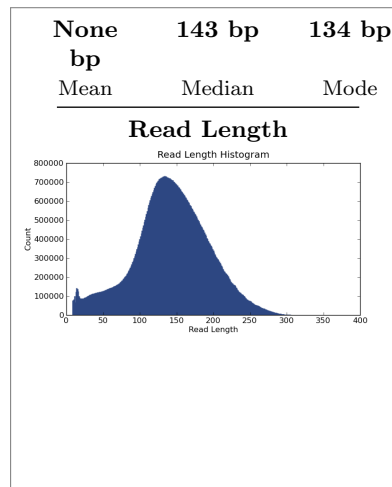
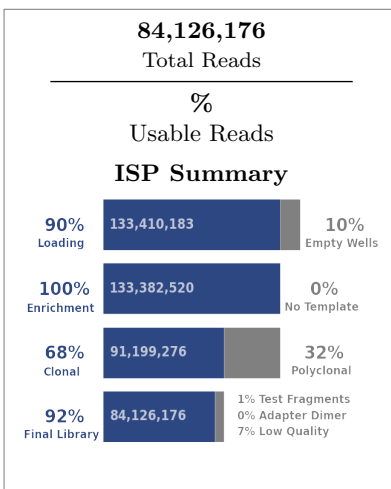
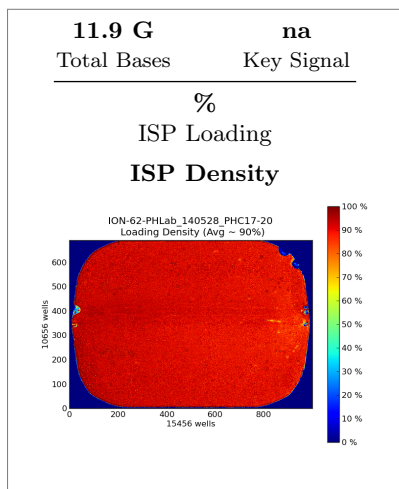


Run Summary



Addressable Wells

With ISPs	
Live	
Test Fragment	
Library	

Library ISPs

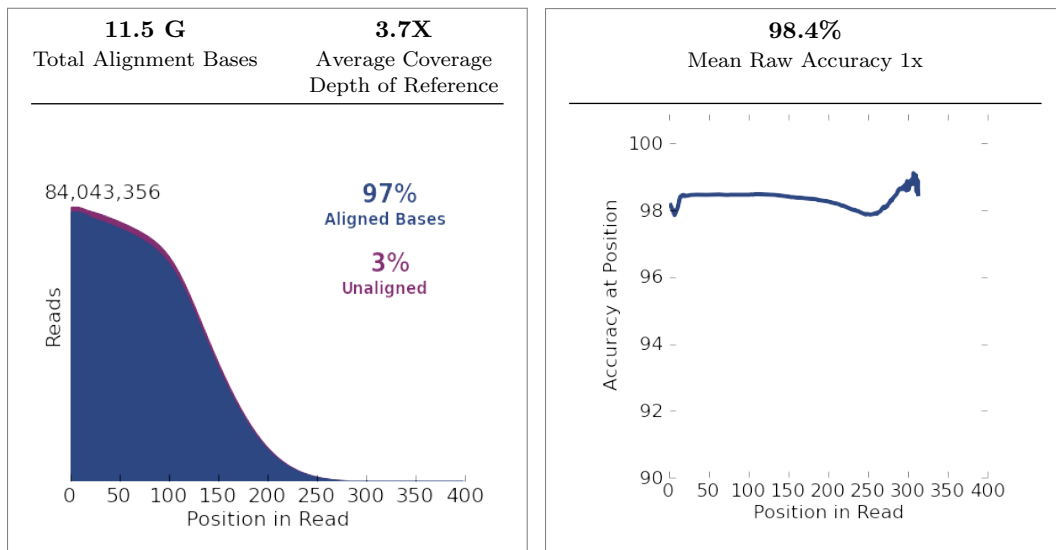
Filtered: Polyclonal	42,183,244
Filtered: Low Quality	5,879,551
Filtered: Primer Dimer	354,309
Final Library ISPs	84,126,176

Notes: PHlab_AG-4ChIPsamples_PHC17-HnrnpKcon-BC5_PHC18-HnrnpKdox-BC6_PHC19-bcatenincon-BC7_PHC20-bcatenindox-BC8

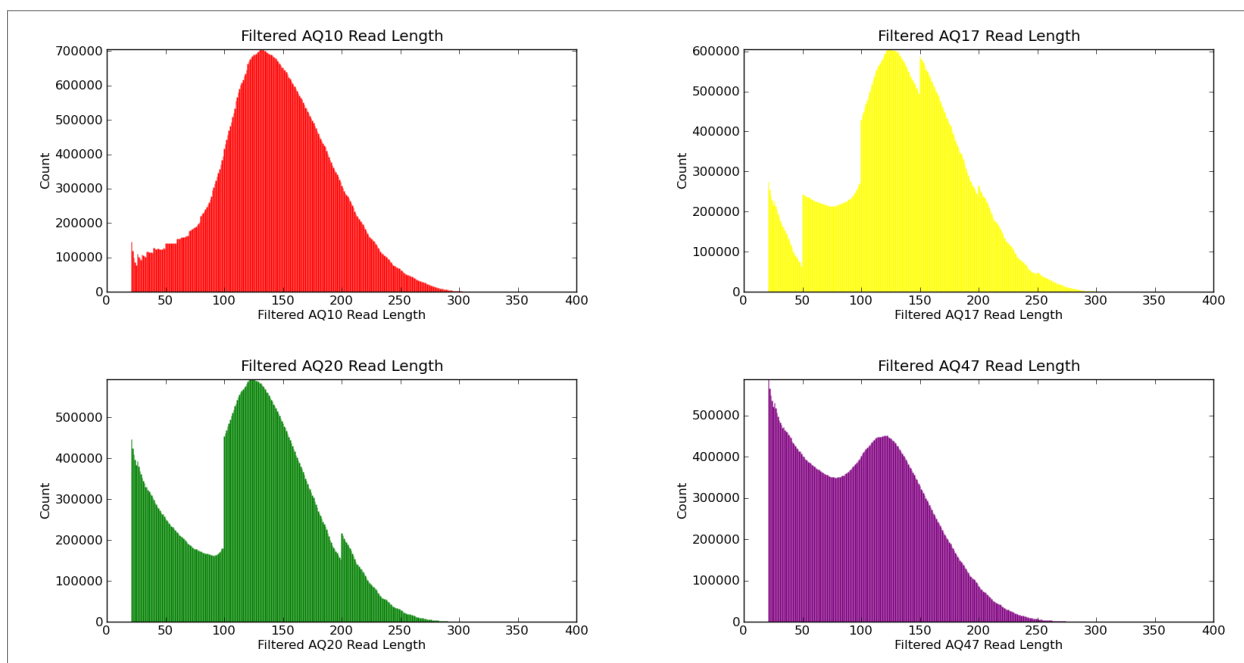
Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	None	74,903,142	60,308,185	605,168	123 bp
IonXpress_005	PHC17	2,615,762,442	2,196,459,105	18,646,048	140 bp
IonXpress_006	PHC18	4,415,515,328	3,735,621,982	31,288,136	141 bp
IonXpress_007	PHC19	3,528,796,111	2,948,167,326	24,402,936	144 bp
IonXpress_008	PHC20	1,268,762,043	1,053,080,513	9,101,043	139 bp
IonXpress_034	None	1,491,565	779,960	34,735	42 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	598,340	80%	

Alignment Summary *(aligned to Homo sapiens)*



	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	9.6 G	8.3 G	6.5 G
Mean Length [bp]	134	122	100
Longest Alignment [bp]	333	330	318
Mean Coverage Depth	3.1	2.7	2.1



Analysis Details

Run Name	R_2014.05.28_05.28.56_user_ION-62-PHLab_140528_PHC17-20
Run Date	May 28, 2014, 5:32 a.m.
Run Flows	520
Projects	PHLab_ChIPSeq
Sample	PHC20, PHC17, PHC19, PHC18
Reference	
PGM	IONAS
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_ION-62-PHLab_140528_PHC17-20_88
Analysis Date	May 28, 2014, 12:36 p.m.
Analysis Flows	0
runID	GBG20

Software Version

Torrent_Suite	4.0.2
host	FW7DQV1
ion-analysis	4.0.6-1
ion-dbreports	4.0.39-1
ion-gpu	4.0.0-1
ion-pipeline	4.0.12-1
ion-plugins	4.0.37-1
ion-protonupdates	4.0.3
ion-torrentr	4.0.4-1
LiveView	1720
DataCollect	2801
OIA	4000
OS	17
Graphics	30