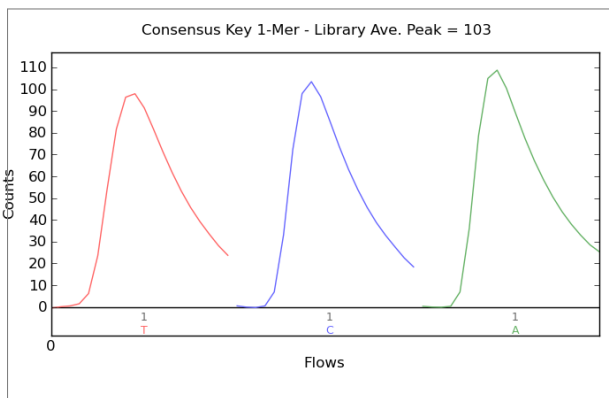
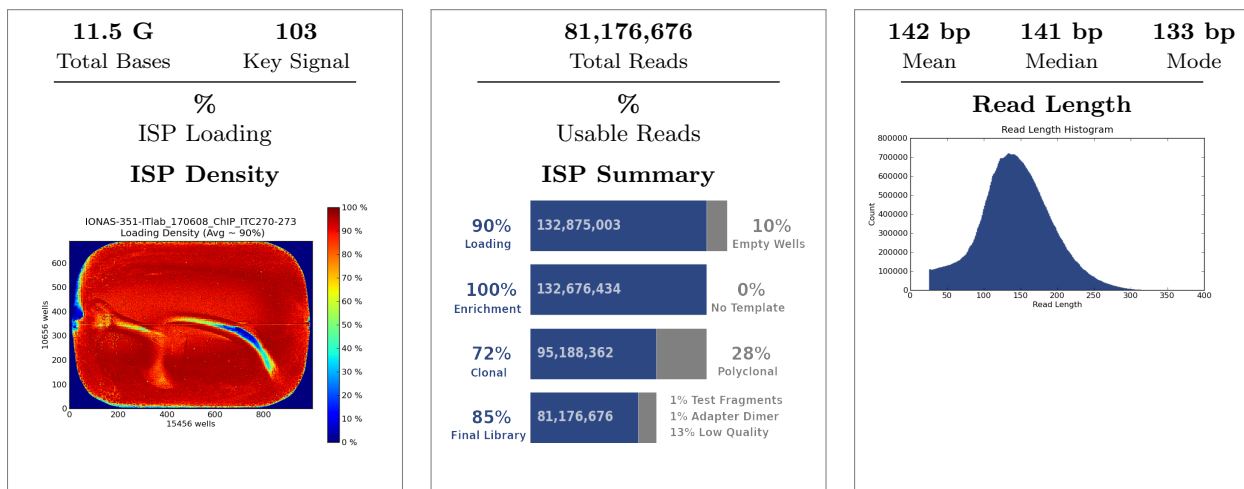


## Run Summary



**Addressable Wells**

- With ISPs
- Live
- Test Fragment
- Library

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**Library ISPs**

Filtered: Polyclonal	37,488,072
Filtered: Low Quality	12,832,177
Filtered: Adapter Dimer	1,014,546
<b>Final Library ISPs</b>	<b>81,176,676</b>

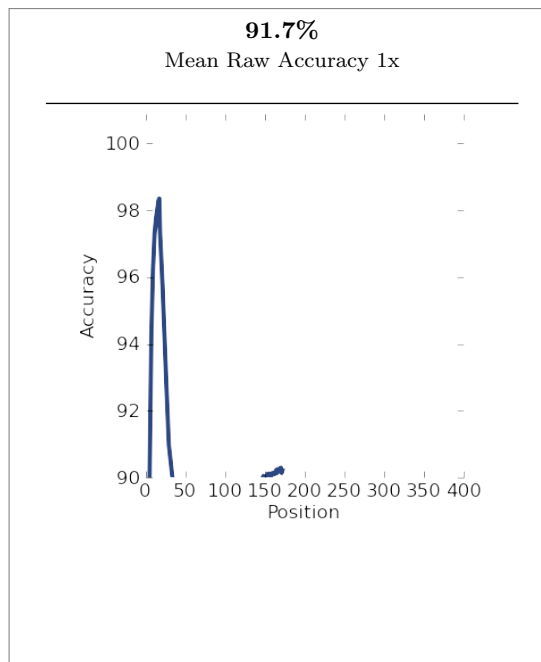
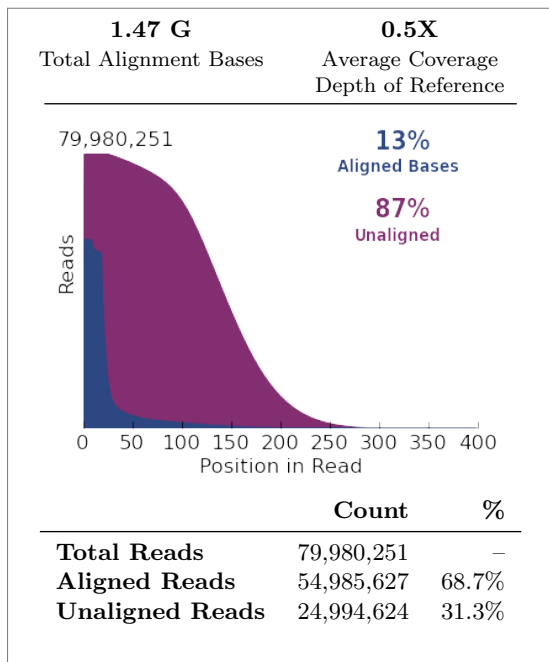
Notes: ITlab\_6MarousoSamples\_ITC270-273

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	150,080,202	120,829,481	1,158,667	130 bp
IonXpress_013	ITC270-Mar7	9,298,966	7,983,425	66,322	140 bp
IonXpress_014	ITC271-Mar8	2,507,221,433	2,121,266,012	17,169,750	146 bp
IonXpress_015	ITC272-Mar-Input7	2,418,340,284	2,078,967,237	17,287,813	140 bp
IonXpress_016	ITC273-Mar-Input8	2,859,404,044	2,433,227,955	20,610,443	139 bp
IonXpress_017	none	3,599,620,512	3,040,096,313	24,845,923	145 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>393,273</b>	<b>90%</b>	
<b>TF_1</b>	<b>403,108</b>	<b>91%</b>	

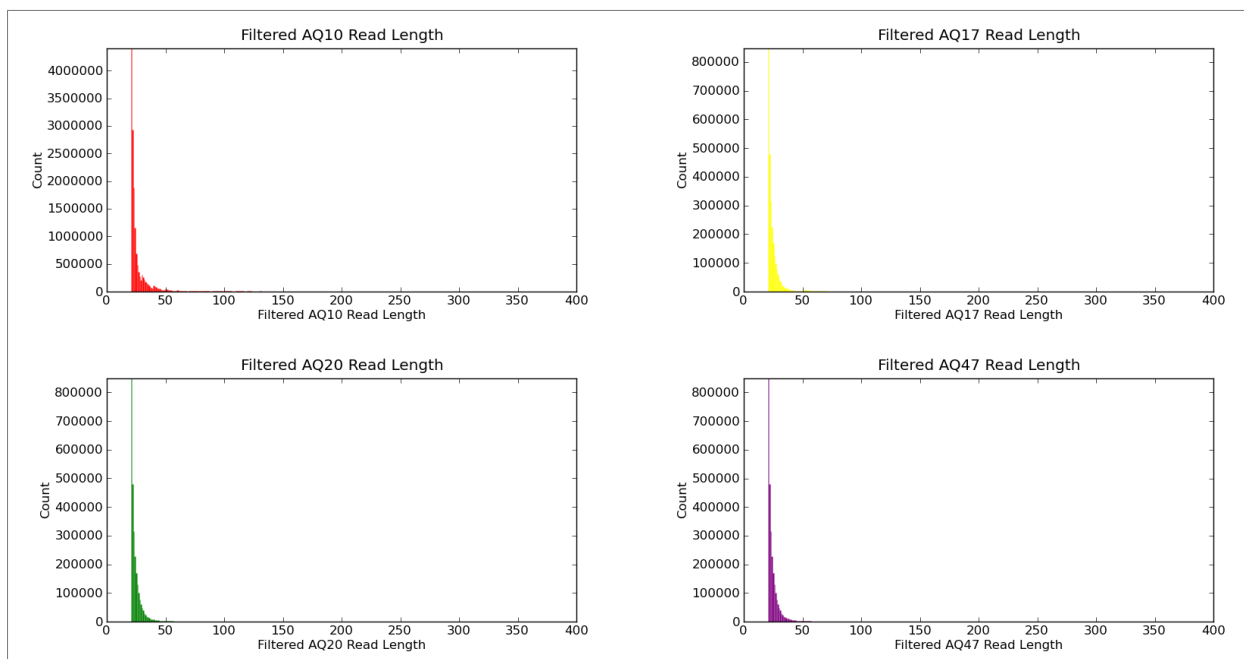


## Alignment Summary (aligned to *Mus musculus 10*)



**Alignment Quality**

	AQ17	AQ20	Perfect
<b>Total Number of Bases [Mbp]</b>	73.4 M	69.1 M	68.1 M
<b>Mean Length [bp]</b>	26	25	25
<b>Longest Alignment [bp]</b>	310	301	277
<b>Mean Coverage Depth</b>	0.0	0.0	0.0



## Analysis Details

<b>Run Name</b>	R_2017_06_09_16_10_21_user_IONAS-351-ITlab_170608_ChIP_ITC270-273
<b>Run Date</b>	June 9, 2017, 4:12 p.m.
<b>Run Flows</b>	520
<b>Projects</b>	ITLab_ChipSeq
<b>Sample</b>	ITC271-Mar8, ITC273-Mar-Imput8, ITC270-Mar7, ITC272-Mar-Imput7
<b>Reference</b>	
<b>Instrument</b>	IONAS
<b>Flow Order</b>	TACGTACGTCTGAGCATCGATCGATGTACAGC
<b>Library Key</b>	TCAG
<b>TF Key</b>	ATCG
<b>Chip ID</b>	DACD12014
<b>Chip Check</b>	Passed
<b>Chip Type</b>	P1.1.17
<b>Chip Data</b>	tiled
<b>Barcode Set</b>	IonXpress
<b>Analysis Name</b>	Auto_user_IONAS-351-ITlab_170608_ChIP_ITC270-273_454
<b>Analysis Date</b>	June 10, 2017, 4:49 a.m.
<b>Analysis Flows</b>	0
<b>runID</b>	MYB9H
<b>BeadFind Args</b>	justBeadFind -beadfind-minlivesnr 3 -region-size=216,224 -total-timeout 600
<b>Analysis Args</b>	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_p1.1.17_a <sup>mpliseq</sup> .xome.param.json
<b>Pre-BaseCaller Args for calibration</b>	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -max-phasing-levels 2
<b>Calibration Args</b>	Calibration
<b>BaseCaller Args</b>	BaseCaller -barcode-filter 0.01 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -num-unfiltered 1000 -barcode-filter-postpone 1
<b>Alignment Args</b>	tmap mapall ... stage1 map4
<b>IonStats Args</b>	ionstats alignment
<b>Analysis Parameters</b>	default

## Chef Summary

### Chef Template Prep Information:

<b>Chef Last Updated</b>	June 9, 2017, 11:31 a.m.
<b>Chef Instrument Name</b>	CHEF00509
<b>Sample Position</b>	2
<b>Tip Rack Barcode</b>	455280048
<b>Chip Type 1</b>	P1v3
<b>Chip Type 2</b>	P1v3
<b>Chip Expiration 1</b>	Apr2017
<b>Chip Expiration 2</b>	Apr2017
<b>Templating Kit Type</b>	Ion PI Hi-Q Chef Kit
<b>Reagent Expiration</b>	03710
<b>Reagent Lot Number</b>	1703710
<b>Reagent Part Number</b>	A27284C
<b>Solution Lot Number</b>	1703711
<b>Solution Part Number</b>	A27282C
<b>Solution Expiration</b>	03711
<b>Chef Script Version</b>	263
<b>Chef Package Version</b>	IC.5.0.1

### Software Version

<b>Torrent_Suite</b>	5.0.5
<b>host</b>	FW7DQV1
<b>ion-analysis</b>	5.0.13-1
<b>ion-chefupdates</b>	5.0.7
<b>ion-dbreports</b>	5.0.34-1
<b>ion-gpu</b>	5.0.0-1
<b>ion-pipeline</b>	5.0.17-1
<b>ion-plugins</b>	5.0.28-1
<b>ion-protonupdates</b>	5.0.3
<b>ion-torrentr</b>	5.0.0-1
<b>Script</b>	2.1.33
<b>LiveView</b>	2045
<b>DataCollect</b>	3220
<b>OIA</b>	5002
<b>OS</b>	30
<b>Graphics</b>	52
<b>Ion.Chef</b>	IC.5.0.1