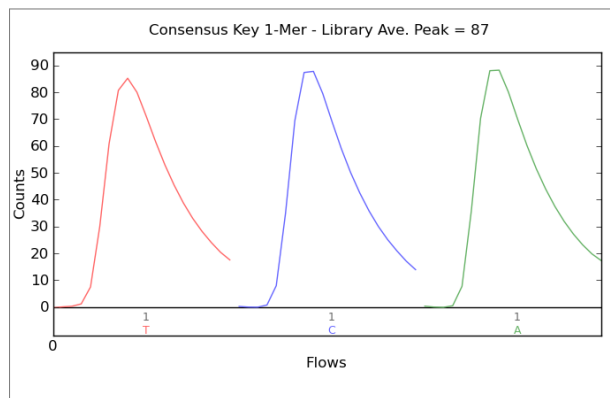
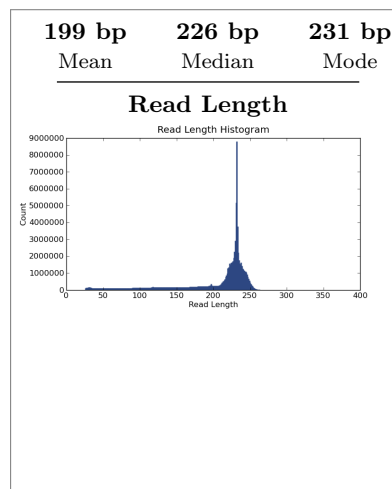
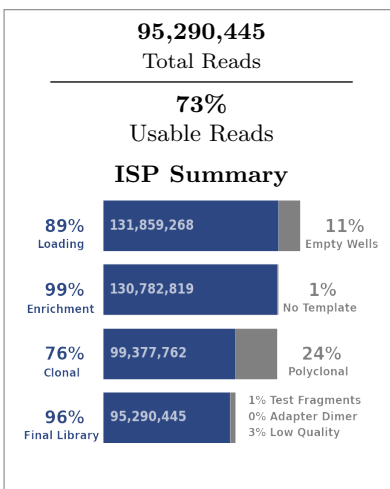
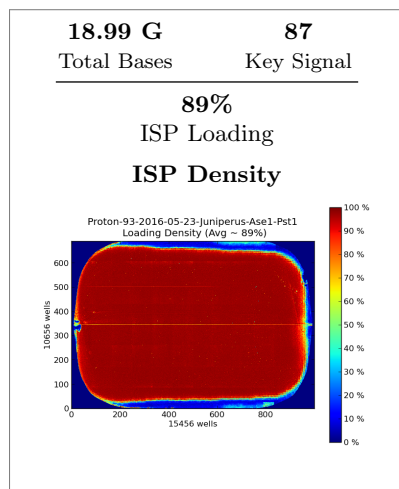


## Run Summary





<b>Addressable Wells</b>	<b>148,155,732</b>	
With ISPs	131,859,268	89.0%
Live	130,782,819	99.2%
Test Fragment	738,144	00.6%
Library	130,044,675	99.4%
<b>Library ISPs</b>	<b>130,044,675</b>	
Filtered: Polyclonal	31,405,057	24.1%
Filtered: Low Quality	4,151,112	03.2%
Filtered: Adapter Dimer	1,226	00.0%
<b>Final Library ISPs</b>	<b>95,290,445</b>	<b>73.3%</b>

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	277,576,784	197,183,428	2,040,433	136 bp
IonXpress_001	JCAR12	2,010,664,205	1,565,752,137	9,952,914	202 bp
IonXpress_003	JCAR9	2,011,560,063	1,561,100,718	9,981,752	202 bp
IonXpress_004	JCBF107	2,200,306,142	1,693,848,145	10,948,929	201 bp
IonXpress_005	JCBH6	2,046,096,109	1,586,728,829	10,167,813	201 bp
IonXpress_006	JCBH9	2,521,821,234	1,966,162,700	12,471,220	202 bp
IonXpress_007	JCFK5	1,686,088,105	1,296,647,201	8,432,003	200 bp
IonXpress_008	JCBF104	2,113,014,176	1,607,437,291	10,659,608	198 bp
IonXpress_009	JCLM29	2,121,568,562	1,638,771,832	10,562,855	201 bp
IonXpress_010	JCLM29_REP	2,005,515,250	1,535,308,374	10,071,906	199 bp

Run Report for Auto\_user\_Proton-93-2016-05-23-Juniperus-Ase1-Pst1\_154

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Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
<b>TF_C</b>	<b>363,609</b>	<b>76%</b>	 A read length histogram for TF_C showing a distribution of read lengths from 0 to 90. The x-axis is labeled with nucleotide bases (A, C, G, T) and their counts. A vertical blue line is positioned at approximately 90 on the x-axis.
<b>TF_1</b>	<b>309,291</b>	<b>90%</b>	 A read length histogram for TF_1 showing a distribution of read lengths from 0 to 140. The x-axis is labeled with nucleotide bases (A, C, G, T) and their counts. A vertical blue line is positioned at approximately 140 on the x-axis.

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## Alignment Summary (*aligned to* )

0	
Total Alignment Bases	Average Coverage Depth of Reference
alignment_rate_plot.png	
Count	%

%	
Mean Raw Accuracy 1x	
base_error_plot.png	

Alignment Quality			
	AQ17	AQ20	Perfect
Total Reads	0	-	
Aligned Reads	0	0	
Total Number of Bases [Mbp]	0	0	0
Mean Length [bp]	0	0	0
Longest Alignment [bp]	0	0	0
Mean Coverage Depth			

Filtered\_Alignments\_Q10.png

Filtered\_Alignments\_Q17.png

Filtered\_Alignments\_Q20.png

Filtered\_Alignments\_Q47.png

## Analysis Details

<b>Run Name</b>	R_2016_05_23_16_36_55_user_Proton-93-2016-05-23-Juniperus-Ase1-Pst1
<b>Run Date</b>	May 23, 2016, 5:04 p.m.
<b>Run Flows</b>	520
<b>Projects</b>	T4F_RAD_TRAINING
<b>Sample</b>	JCBF107, JCAR9, JCLM29, JCLM29_REP, JCBH6, JCAR12, JCFK5, JCBH9, JCBF104
<b>Reference</b>	
<b>Instrument</b>	Proton
<b>Flow Order</b>	TACGTACGTCTGAGCATCGATCGATGTACAGC
<b>Library Key</b>	TCAG
<b>TF Key</b>	ATCG
<b>Chip ID</b>	
<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_Proton-93-2016-05-23-Juniperus-Ase1-Pst1_154
<b>Analysis Date</b>	May 24, 2016, 1:52 a.m.
<b>Analysis Flows</b>	0
<b>runID</b>	49M34
<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 <sub>p</sub> 1.1.17 <sub>a</sub> mpliseq <sub>e</sub> 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

Ion Chef was not used for this run |

## Software Version

<b>Torrent_Suite</b>	5.0.4
<b>host</b>	4Q5QQV1
<b>ion-analysis</b>	5.0.13-1
<b>ion-chefupdates</b>	5.0.3
<b>ion-dbreports</b>	5.0.33-1
<b>ion-gpu</b>	5.0.0-1
<b>ion-pipeline</b>	5.0.16-1
<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