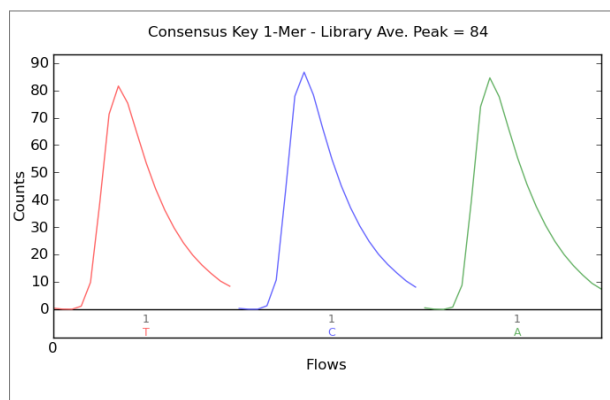
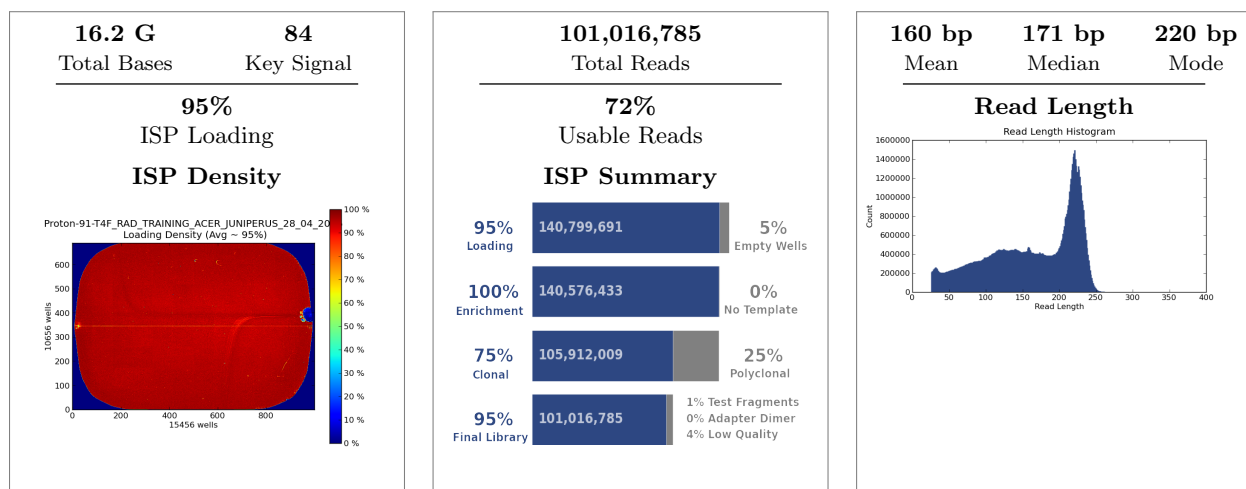


Run Summary





Addressable Wells	148,155,732	
With ISPs	140,799,691	95.0%
Live	140,576,433	99.8%
Test Fragment	774,192	00.6%
Library	139,802,241	99.4%
Library ISPs	139,802,241	
Filtered: Polyclonal	34,664,424	24.8%
Filtered: Low Quality	5,868,345	04.2%
Filtered: Adapter Dimer	77,268	00.1%
Final Library ISPs	101,016,785	72.3%

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	314,944,592	206,560,602	2,755,254	114 bp
IonXpress_001	JCAR12	1,374,933,161	1,006,404,370	8,257,190	167 bp
IonXpress_003	JCAR9	836,340,174	616,806,093	5,028,943	166 bp
IonXpress_004	JCBF107	756,077,836	554,251,913	4,467,124	169 bp
IonXpress_005	JCBH6	299,742,199	219,444,690	1,785,275	168 bp
IonXpress_006	JCBH9	1,675,669,028	1,218,350,172	10,014,200	167 bp
IonXpress_007	JCFK5	1,031,050,002	753,105,046	6,182,629	167 bp
IonXpress_008	JCLM10	588,831,086	427,241,627	3,587,201	164 bp
IonXpress_009	JCLM29	595,960,358	432,668,204	3,536,099	169 bp
IonXpress_010	JCLM29_REP	340,973,487	245,473,111	2,036,691	167 bp
IonXpress_011	ASP0746	794,613,941	553,556,122	5,408,190	147 bp
IonXpress_012	ASPLB056	944,805,414	668,488,166	6,009,968	157 bp

Run Report for
Auto_user_Proton-91-T4F_RAD_TRAINING_ACER_JUNIPERUS_28.04.2016_152

IonXpress_013	BW0265	1,042,867,576	738,913,643	6,613,074	158 bp
IonXpress_014	MV1024	961,519,590	678,462,351	6,115,564	157 bp
IonXpress_015	NRW2015	836,143,535	590,465,080	5,406,632	155 bp
IonXpress_016	NRW2020	970,367,098	679,533,315	6,206,280	156 bp
IonXpress_017	NW4038	923,139,876	646,869,134	5,863,921	157 bp
IonXpress_018	S3065	900,814,089	639,417,123	5,650,234	159 bp
IonXpress_019	NRW2020_REP	965,023,350	687,586,034	6,088,168	159 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	339,280	65%	
TF_1	360,091	86%	

Alignment Summary (*aligned to*)

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

%	
Mean Raw Accuracy 1x	
base_error_plot.png	

Alignment Quality			
	AQ17	AQ20	Perfect
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

Run Name	R_2016.04.28.15.03.27_user_Proton-91-T4F_RAD_TRAINING_ACER_JUNIPERUS_28.04.2016
Run Date	April 28, 2016, 3:06 p.m.
Run Flows	520
Projects	T4F_RAD_TRAINING
Sample	MV1024, BW0265, NRW2020.REP, NW4038, NRW2015, S3065, ASPLB056, JCBF107, JCAR9, JCLM29, NRW2020, ASP0746, JCLM29.REP, JCLM10, JCBH6, JCAR12, JCFK5, JCBH9
Reference	
Instrument	Proton
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip ID	
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Barcode Set	IonXpress
Analysis Name	Auto_user_Proton-91-T4F_RAD_TRAINING_ACER_JUNIPERUS_28.04.2016_152
Analysis Date	April 29, 2016, 1:46 a.m.
Analysis Flows	0
runID	SEAXX
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 -gopt /opt/ion/config/gopt _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

Ion Chef was not used for this run |

Software Version

Torrent_Suite	5.0.4
host	4Q5QQV1
ion-analysis	5.0.13-1
ion-chefupdates	5.0.3
ion-dbreports	5.0.33-1
ion-gpu	5.0.0-1
ion-pipeline	5.0.16-1
ion-plugins	5.0.28-1
ion-protonupdates	5.0.3
ion-torrentr	5.0.0-1
Script	2.1.33
LiveView	2045
DataCollect	3220
OIA	5002
OS	30
Graphics	52