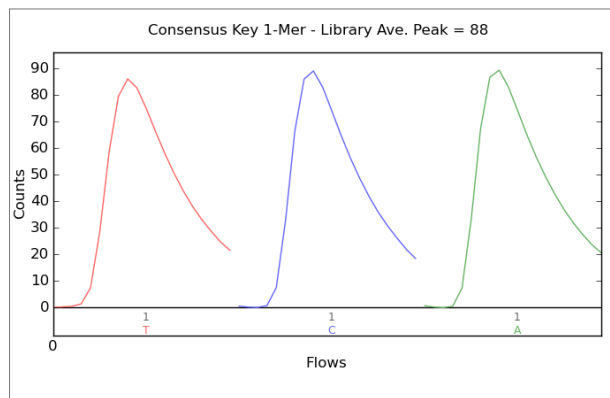
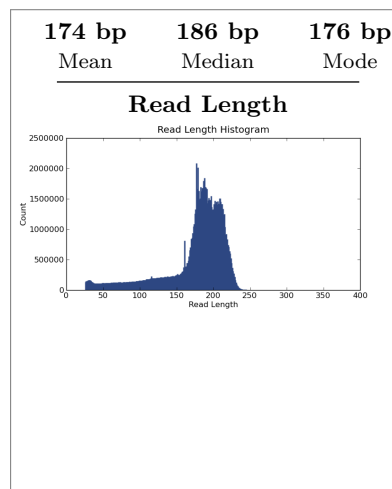
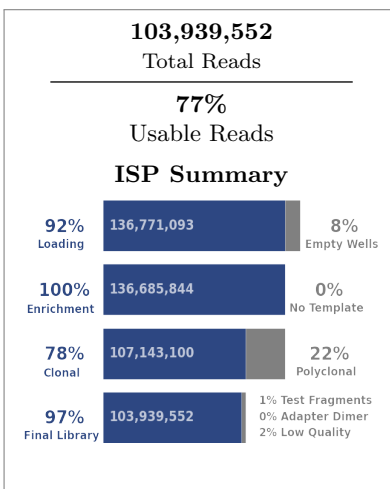
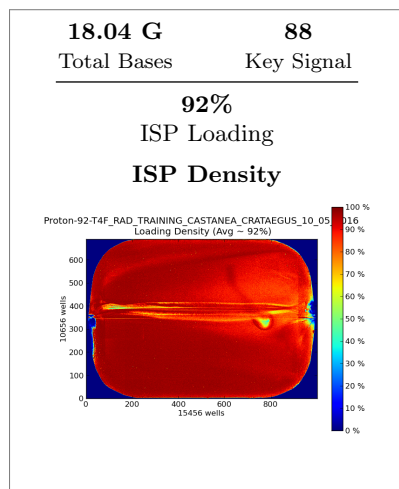


Run Summary


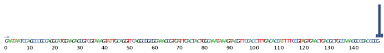


Addressable Wells	148,155,732	
With ISPs	136,771,093	92.3%
Live	136,685,844	99.9%
Test Fragment	936,117	00.7%
Library	135,749,727	99.3%
Library ISPs	135,749,727	
Filtered: Polyclonal	29,542,744	21.8%
Filtered: Low Quality	3,230,575	02.4%
Filtered: Adapter Dimer	2,293	00.0%
Final Library ISPs	103,939,552	76.6%

Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length
No barcode	none	219,204,482	154,399,707	1,907,309	115 bp
IonXpress_001	CL11202	904,912,688	738,772,619	5,380,011	168 bp
IonXpress_003	CL11208	793,951,957	653,378,992	4,704,443	169 bp
IonXpress_004	CL7109	926,334,709	757,393,632	5,475,773	169 bp
IonXpress_005	CL8107	941,135,428	771,628,030	5,589,484	168 bp
IonXpress_006	CM5101	1,245,085,020	1,013,839,429	7,410,139	168 bp
IonXpress_007	CM5107	881,651,195	721,178,940	5,265,313	167 bp
IonXpress_008	CM8153	1,170,144,502	949,073,238	6,994,050	167 bp
IonXpress_009	CM9114	989,772,642	809,649,706	5,878,845	168 bp
IonXpress_010	CM9114-rep	1,123,842,092	913,719,371	6,697,546	168 bp
IonXpress_011	CA04	1,500,760,186	1,151,788,584	8,380,448	179 bp
IonXpress_012	CA04-rep	1,489,122,368	1,157,481,753	8,131,914	183 bp

Run Report for
 Auto_user_Proton-92-T4F_RAD_TRAINING_CASTANEA_CRATAEGUS_10_05_2016_153

IonXpress_013	CA577	1,489,749,112	1,153,936,282	8,149,190	183 bp
IonXpress_014	CA577-rep	1,390,173,737	1,073,183,427	7,604,271	183 bp
IonXpress_015	CA737	1,459,998,565	1,134,314,696	8,018,406	182 bp
IonXpress_016	CA737-rep	1,511,689,165	1,159,053,123	8,349,271	181 bp

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	542,736	80%	
TF_1	290,295	90%	

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_05_10_14_02_14_user_Proton-92-T4F_RAD_TRAINING_CASTANEA_CRATAEGUS_10.05.2016
Run Date	May 10, 2016, 2:25 p.m.
Run Flows	520
Projects	T4F_RAD_TRAINING
Sample	CA04-rep, CM8153, CL11208, CA04, CA737, CM5107, CM5101, CL7109, CA577, CM9114-rep, CM9114, CL11202, CA577-rep, CA737-rep, CL8107
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-92-T4F_RAD_TRAINING_CASTANEA_CRATAEGUS_10.05.2016_153
Analysis Date	May 10, 2016, 11:36 p.m.
Analysis Flows	0
runID	QUID3
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