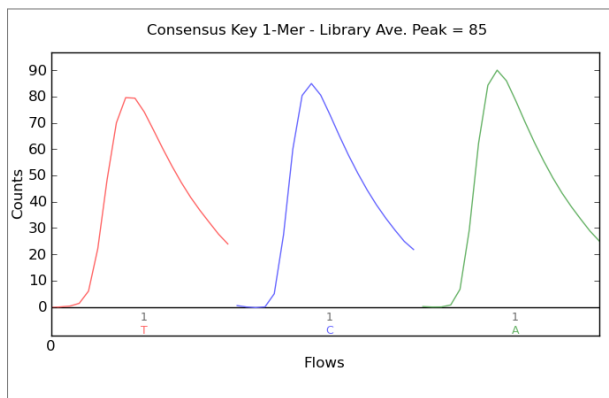
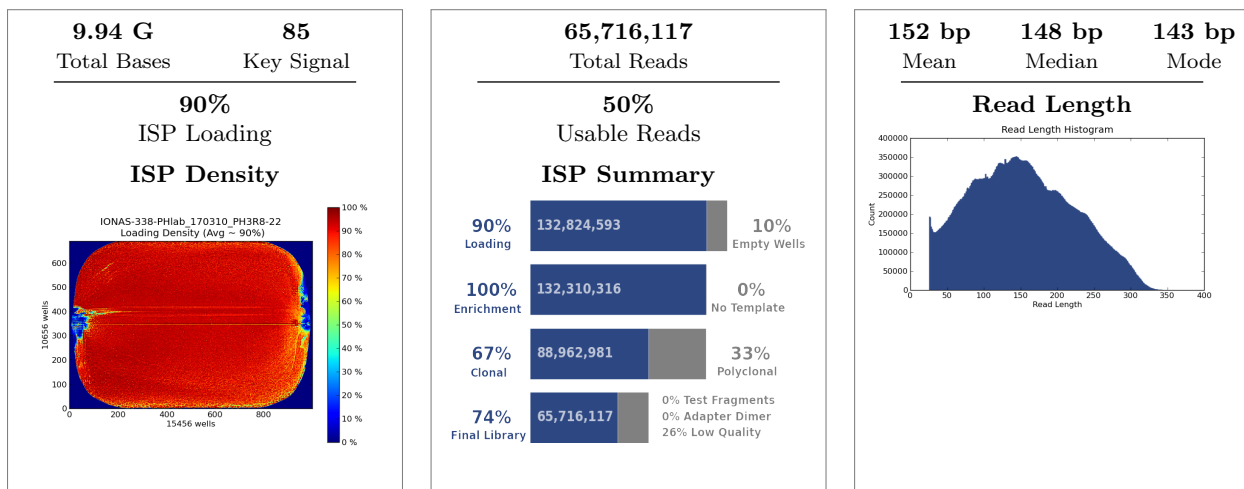


Run Summary





Addressable Wells	148,155,732	
With ISPs	132,824,593	89.7%
Live	132,310,316	99.6%
Test Fragment	243,620	00.2%
Library	132,066,696	99.8%
Library ISPs	132,066,696	
Filtered: Polyclonal	43,347,335	32.8%
Filtered: Low Quality	24,297,542	18.4%
Filtered: Adapter Dimer	52,419	00.0%
Final Library ISPs	65,716,117	49.8%

Notes: PHlab_AG-3RNA-6samples_PH3R8-14_VZ-3RNA-9samples_PH3R15-22

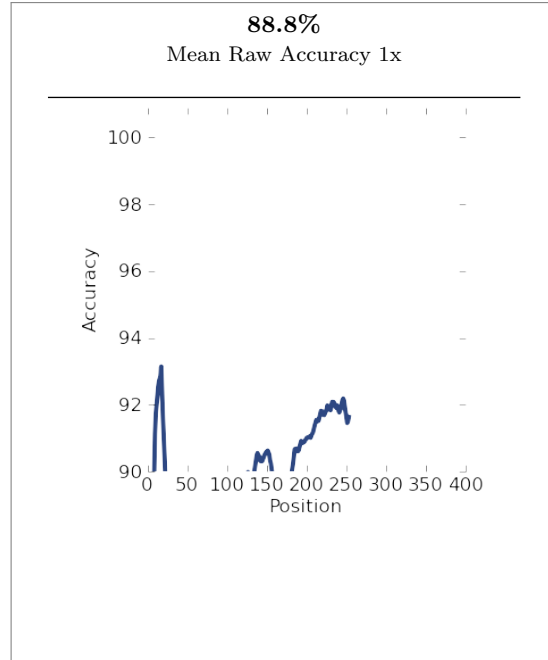
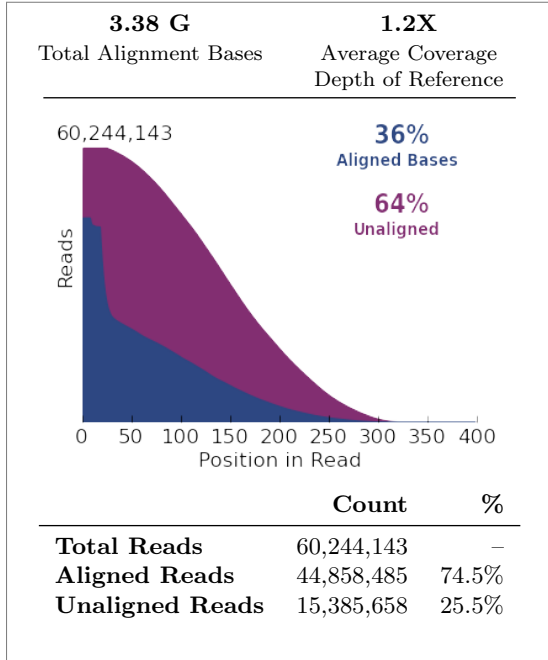
Barcode Name	Sample	Bases	≥ Q20	Reads	Mean Read Length
No barcode	none	619,106,931	423,931,676	5,157,268	120 bp
IonXpress_001	none	23,829,512	21,336,153	219,261	109 bp
IonXpress_003	none	23,479,074	21,188,321	187,845	125 bp
IonXpress_007	none	9,899,017	7,874,354	63,677	155 bp
IonXpress_010	none	16,989,922	14,477,427	163,743	104 bp
IonXpress_011	none	8,799,148	7,035,361	53,467	165 bp
IonXpress_012	none	10,170,944	8,737,680	97,044	105 bp
IonXpress_025	PH3R16-Ldc10-Ctrl3	658,760,574	505,414,389	4,239,902	155 bp
IonXpress_026	PH3R17-Ldc10-Ig3-1	573,274,672	453,070,089	3,619,708	158 bp
IonXpress_027	PH3R18-Ldc10-Ig3-2	699,161,672	546,633,751	4,372,074	160 bp

Run Report for Auto_user_IONAS-338-PHlab_170310_PH3R8-22_438

IonXpress_028	PH3R19-Ldc10-Ig3-3	690,360,248	540,817,938	4,231,633	163 bp
IonXpress_029	PH3R20-Ldc10-Ig4-1	734,402,494	567,676,400	4,791,413	153 bp
IonXpress_030	PH3R21-Ldc10-Ig4-2	577,074,772	445,507,394	3,740,621	154 bp
IonXpress_031	PH3R22-Ldc10-Ig4-3	650,378,776	499,929,641	4,294,651	151 bp
IonXpress_033	PH3R8-Con1	516,279,200	401,898,118	3,291,098	157 bp
IonXpress_034	PH3R9-Con2	598,952,569	467,854,125	3,956,636	151 bp
IonXpress_035	PH3R10-Con3	694,946,843	537,620,977	4,506,932	154 bp
IonXpress_036	PH3R11-Dox1	629,735,767	494,262,153	4,003,278	157 bp
IonXpress_037	PH3R12-Dox2	473,860,561	368,538,558	3,087,511	153 bp
IonXpress_038	PH3R13-Dox3	451,116,796	351,072,704	2,917,559	155 bp
IonXpress_039	PH3R14-Ldc10-Ctrl1	573,658,527	453,219,219	3,697,715	155 bp
IonXpress_040	PH3R15-Ldc10-Ctrl2	694,952,918	539,973,840	4,625,566	150 bp
IonXpress_045	none	13,436,485	10,467,464	82,809	162 bp

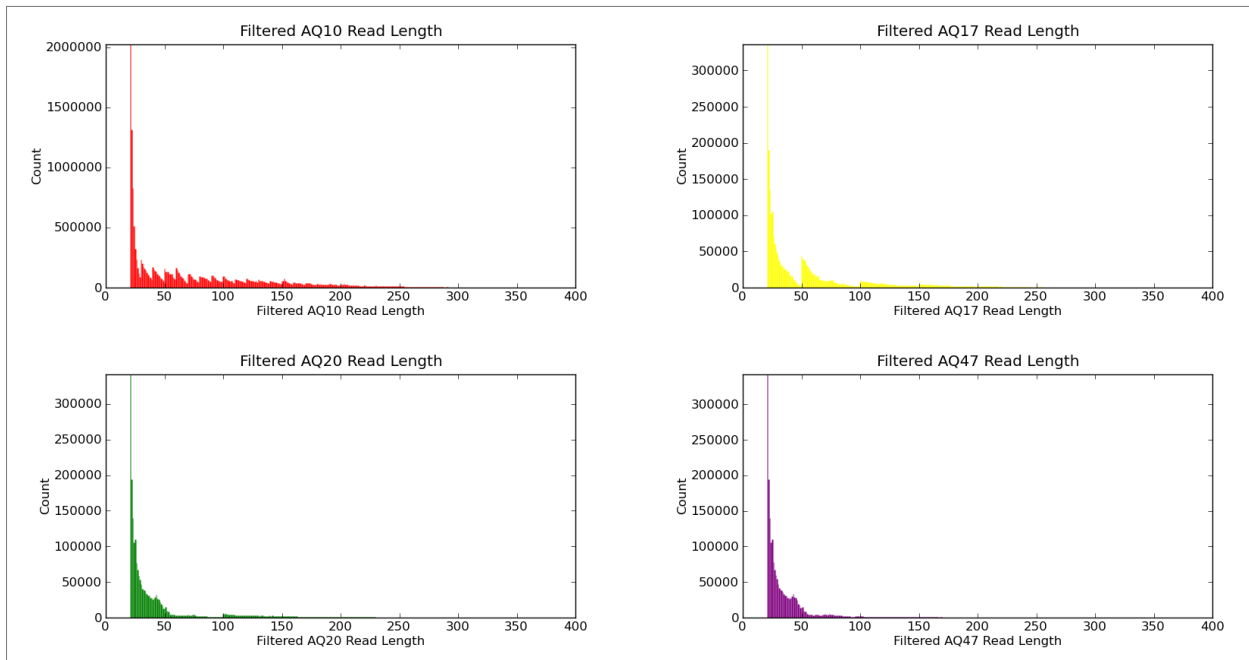
Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	189,548	91%	
TF_1	39,048	89%	

Alignment Summary (*aligned to Mus musculus 10*)



Alignment Quality

	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	154 M	97.99 M	76.2 M
Mean Length [bp]	59	45	37
Longest Alignment [bp]	346	328	312
Mean Coverage Depth	0.1	0.0	0.0



Analysis Details

Run Name	R_2017_03_10_12_21_37_user_IONAS-338-PHlab_170310_PH3R8-22
Run Date	March 10, 2017, 12:27 p.m.
Run Flows	520
Projects	PHLab_3RNAseq , LexoGen_QuantSeq
Sample	PH3R9-Con2, PH3R12-Dox2, PH3R18-Ldc10-Ig3-2, PH3R13-Dox3, PH3R10-Con3, PH3R17-Ldc10-Ig3-1, PH3R19-Ldc10-Ig3-3, PH3R8-Con1, PH3R11-Dox1, PH3R15-Ldc10-Ctrl2, PH3R21-Ldc10-Ig4-2, PH3R14-Ldc10-Ctrl1, PH3R20-Ldc10-Ig4-1, PH3R16-Ldc10-Ctrl3, PH3R22-Ldc10-Ig4-3
Reference	
Instrument	IONAS
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_IONAS-338-PHlab_170310_PH3R8-22_438
Analysis Date	March 10, 2017, 10:23 p.m.
Analysis Flows	0
runID	6MVAE
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	5.0.5
host	FW7DQV1
ion-analysis	5.0.13-1
ion-chefupdates	5.0.7
ion-dbreports	5.0.34-1
ion-gpu	5.0.0-1
ion-pipeline	5.0.17-1
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