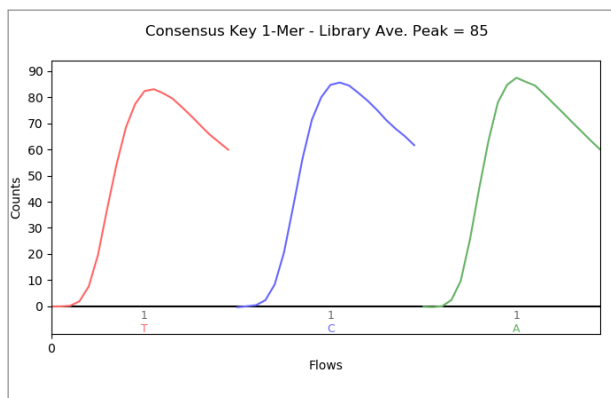
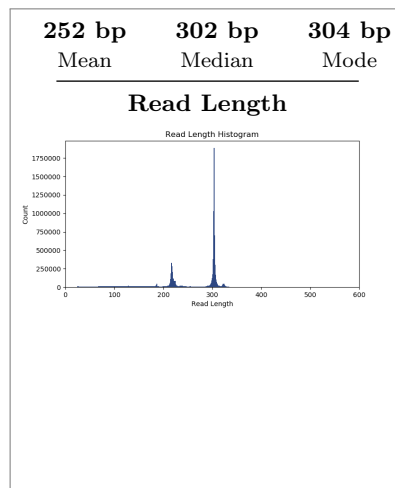
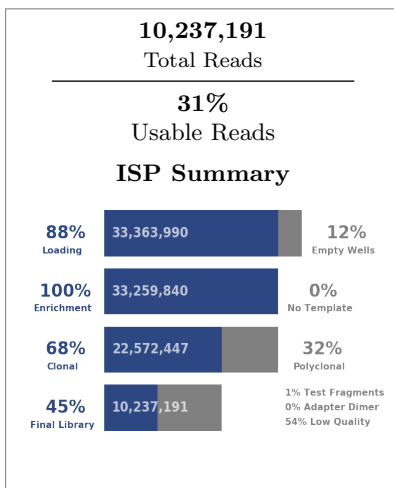
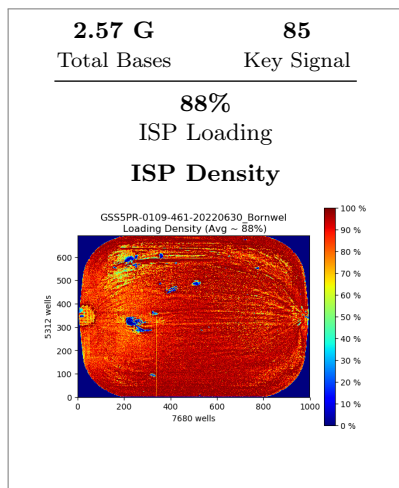











Run Summary

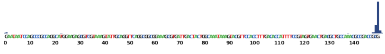


Addressable Wells	37,849,615	
With ISPs	33,363,990	88.1%
Live	33,259,840	99.7%
Test Fragment	276,576	00.8%
Library	32,983,264	99.2%
Library ISPs	32,983,264	
Filtered: Polyclonal	10,687,393	32.4%
Filtered: Low Quality	12,044,124	36.5%
Filtered: Adapter Dimer	14,556	00.0%
Final Library ISPs	10,237,191	31.0%

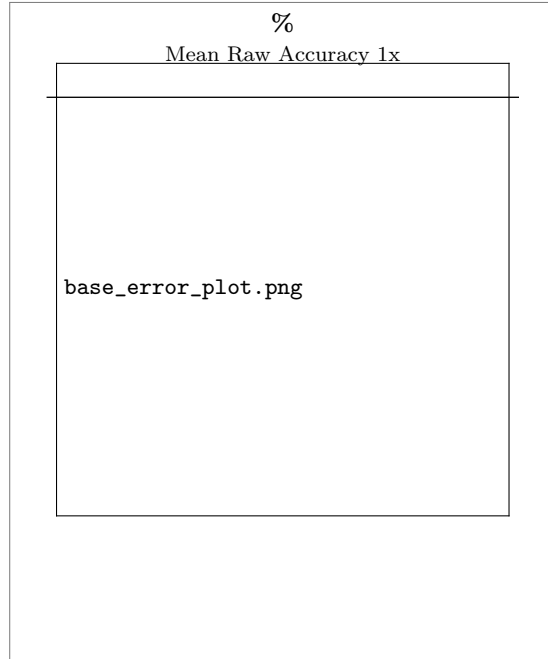
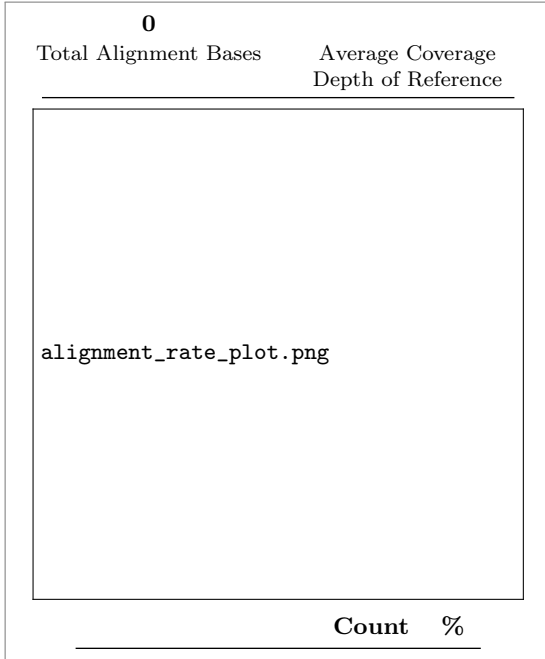
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length	Read Length Histogram
No barcode	none	194,989,221	144,607,815	927,015	210 bp	
IonCode_0609	E1	112,189,027	99,174,390	491,436	228 bp	
IonCode_0610	E2	113,081,467	100,061,148	479,862	235 bp	
IonCode_0611	E3	237,515,519	208,674,926	946,128	251 bp	
IonCode_0612	E4	120,904,841	106,637,977	483,137	250 bp	
IonCode_0613	E5	178,439,261	157,905,883	664,801	268 bp	
IonCode_0614	E6	137,204,770	121,036,516	515,277	266 bp	
IonCode_0615	E7	134,582,227	119,342,338	509,279	264 bp	

Run Report for Auto_user_GSS5PR-0109-461-20220630_Bornwel_822

IonCode_0616	E10	107,407,298	93,767,097	429,306	250 bp	
IonCode_0617	E11	137,470,791	121,904,402	500,689	274 bp	
IonCode_0618	E12	133,372,228	116,698,017	507,137	262 bp	
IonCode_0619	E13	143,608,542	126,313,785	550,662	260 bp	
IonCode_0620	E14	168,028,367	147,842,848	631,132	266 bp	
IonCode_0621	E15	186,850,241	165,479,615	685,626	272 bp	
IonCode_0622	E16	143,352,610	124,290,662	657,845	217 bp	
IonCode_0623	E17	166,562,148	146,296,926	619,985	268 bp	
IonCode_0624	E18	159,142,789	138,501,241	636,373	250 bp	

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_1	103,078	92	

Alignment Summary (*aligned to*)



Total Reads	0	-
Aligned Reads	0	0%

	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.2022_07_01_14_56_44_user_GSS5PR-0109-461-20220630_Bornwel
Run Date	July 1, 2022, 2:57 p.m.
Run Flows	850
Projects	
Samples	E18, E11, E10, E13, E12, E15, E14, E17, E16, E5, E4, E7, E6, E1, E3, E2
Reference	
Instrument	GSS5PR-0109
Operation Mode	Customer mode
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip Barcode	DAH03785
Chip Check	Passed
Chip Type	530
Chip Data	tiled
Chip Lot Number	Q23K26
Chip Wafer	07
Barcode Set	IonCode
Analysis Name	Auto_user_GSS5PR-0109-461-20220630_Bornwel_822
Analysis Date	July 1, 2022, 8:39 p.m.
Analysis Flows	0
runID	5JS95
BeadFind Args	justBeadFind -args-json /opt/ion/config/args.530_beadfind.json
Analysis Args	Analysis -args-json /opt/ion/config/args.530_analysis.json
Pre-BaseCaller	BaseCaller -trim-qual-cutoff 15 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -wells-normalization on
Calibration Args	Calibration -num-calibration-regions 1,1
BaseCaller Args	BaseCaller -trim-qual-cutoff 15 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -num-unfiltered 1000 -barcode-filter-postpone 1 -qual-filter true -qual-filter-slope 0.040 -qual-filter-offset 1.0 -wells-normalization on
Alignment Args	tmap mapall -q 50000 ... stage1 map4
IonStats Args	ionstats alignment
Analysis Parameters	default

Chef Summary

Chef Template Prep Information:

Chef Last Updated	July 1, 2022, 8:32 a.m.
Chef Instrument Name	CHEF00400
Chef Operation Mode	Customer Mode
Sample Position	2
Tip Rack Barcode	4B8060DEF
Chip Type 1	530v1
Chip Type 2	530v1
Chip Expiration 1	None
Chip Expiration 2	None
Templating Kit Type	Ion 510
amp; Ion 520	amp; Ion 530 Kit-Chef
Chef Flexible Workflow	
Reagent Expiration	220831
Reagent Lot Number	2348593
Reagent Part Number	A34018C
Reagent Cartridge Serial Number	None
Solution Lot Number	2348598
Solution Part Number	A27754C
Templating Protocol Planned	Chef Protocol - 400 bp
Solution Cartridge Serial Number	None
Solution Expiration	220731
Templating Protocol Executed	Chef Protocol - 400 bp
Chef Script Version	2005
Chef Package Version	IC.5.16.1
Start Time	June 30, 2022, 5:22 p.m.
Completion Time	July 1, 2022, 8:32 a.m.

S5 Consumables Summary

Chip Type	530v1
Chip Barcode	DAHH03785

Product Description	Part Number	Lot Number	Exp. Date	Remaining Uses
Ion S5 Cleaning Solution	100031096	2396654	2023/03/31	4
Ion S5 Sequencing Reagent	INS1012841B	2346429	2022/10/31	1
Ion S5 Wash Solution	100031091B	2440929	2023/02/28	1

Software Version

Torrent_Suite	5.16.1
host	GVW90Q2
ion-analysis	5.16.6-1
ion-dbreports	5.16.28-1
ion-gpu	5.16.1-1
ion-pipeline	5.16.14-1
ion-torrentpy	5.16.6-1
ion-torrentr	5.16.6-1
S5 Script	0.1.32
LiveView	2762
DataCollect	3976
OIA	51231
OS	35
Graphics	134
Ion_Chef	IC.5.16.1