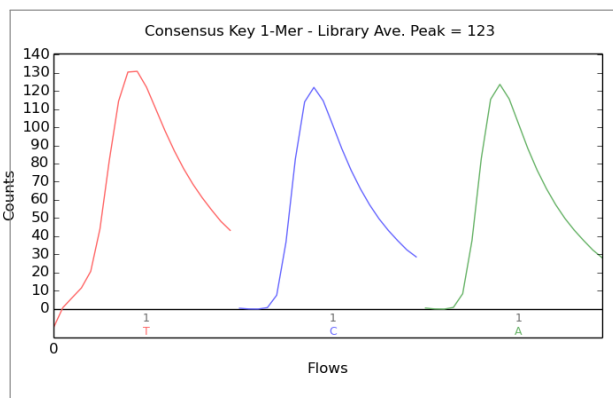
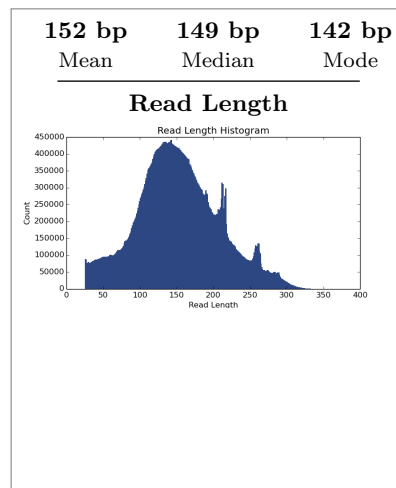
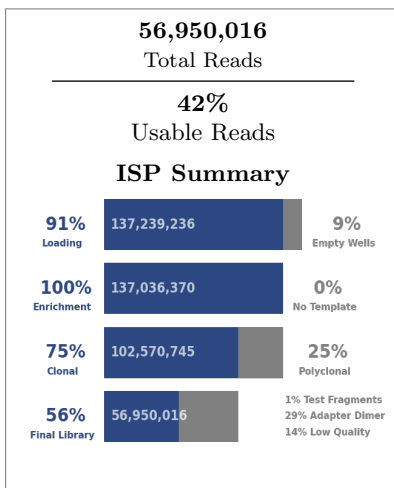
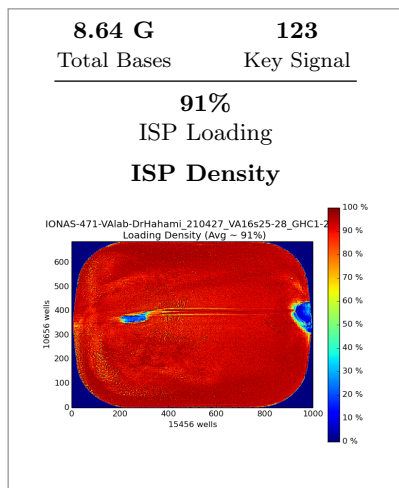


Run Summary



Addressable Wells	151,539,288	
With ISPs	137,239,236	90.6%
Live	137,036,370	99.9%
Test Fragment	1,044,042	00.8%
Library	135,992,328	99.2%

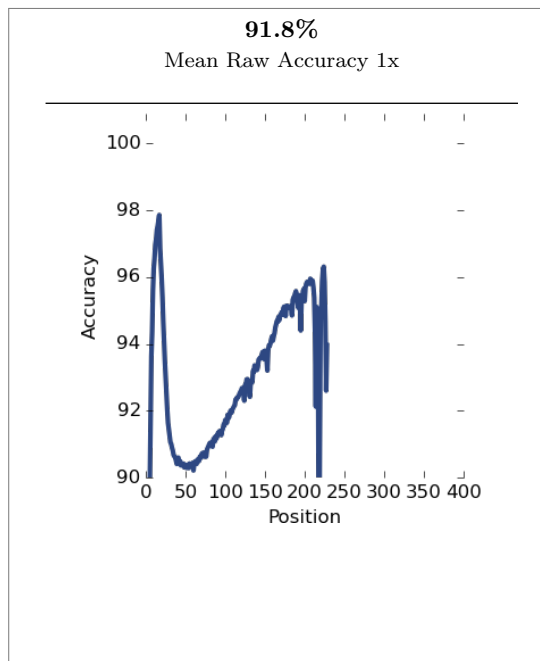
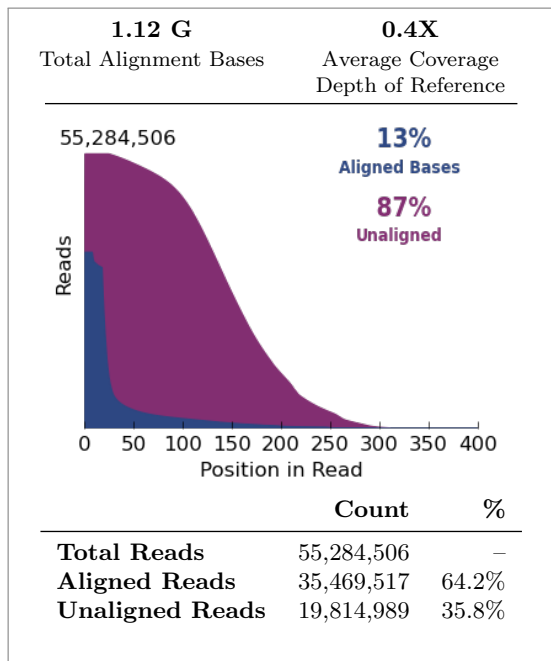
Library ISPs	135,992,328	
Filtered: Polyclonal	34,465,625	25.3%
Filtered: Low Quality	15,002,852	11.0%
Filtered: Adapter Dimer	29,573,835	21.7%
Final Library ISPs	56,950,016	41.9%

Notes: VA16s-25to28_DrHahami-GHC-1to4

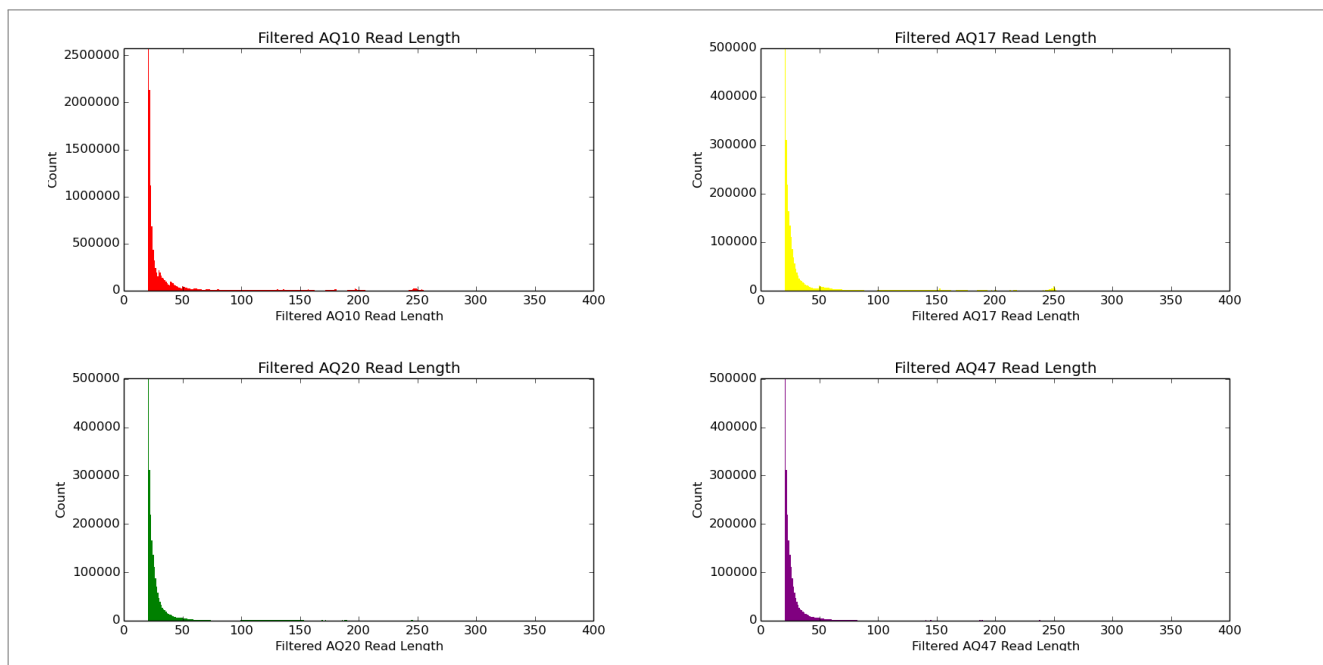
Barcode Name	Sample	Bases	$\geq Q20$	Reads	Mean Read Length	Read Length Histogram
No barcode	none	212,419,945	166,366,700	1,468,299	144 bp	
IonXpress_001	GHC1_NAP2a321	155,044,421	1,828,738,666	14,965,767	143 bp	
IonXpress_002	GHC2_HAP2a321	134,084,835	2,030,120,096	16,396,943	142 bp	
IonXpress_005	GHC5_Input-N3rd	3,270,403,029	2,798,030,746	20,710,438	157 bp	
IonXpress_010	VA16s25_C3.1gutt1	17,893,887	99,177,176	590,262	199 bp	
IonXpress_011	VA16s26_C3.2gutt2	1,400,050	220,591,817	1,283,182	203 bp	
IonXpress_012	VA16s27_C3.4gutt2	2,922,539	104,978,061	600,387	204 bp	
IonXpress_013	VA16s25_C3.5gutt5	150,894,201	127,316,939	737,527	204 bp	

Test Fragment	Reads	Percent 50AQ17	Read Length Histogram
TF_C	622,916	94	
TF_1	376,618	91	

Alignment Summary *(aligned to Mus musculus 10)*



Alignment Quality			
	AQ17	AQ20	Perfect
Total Number of Bases [Mbp]	88.98 M	69.1 M	63.8 M
Mean Length [bp]	39	32	29
Longest Alignment [bp]	335	335	317
Mean Coverage Depth	0.0	0.0	0.0



Analysis Details

Run Name	R.2021.04.27.13.33.26_user_IONAS-471-VALab-DrHahami.210427_VA16s25-28_GHC1-2-5
Run Date	April 27, 2021, 1:34 p.m.
Run Flows	520
Projects	VALab_16Sseq , DrHahami_ChIPseq
Samples	VA16s25_C3.1gut, VA16s26_C3.2gut, GHC2_HAP2a3rd, VA16s25_C3.5gut, GHC1_NAP2a3rd, GHC5_Input-N3rd, VA16s27_C3.4gut
Reference	
Instrument	IONAS
Operation Mode	Customer mode
Flow Order	TACGTACGTCTGAGCATCGATCGATGTACAGC
Library Key	TCAG
TF Key	ATCG
Chip Barcode	
Chip Check	Passed
Chip Type	P1.1.17
Chip Data	tiled
Chip Lot Number	Q0XG98
Chip Wafer	24
Barcode Set	IonXpress
Analysis Name	Auto_user_IONAS-471-VALab-DrHahami.210427_VA16s25-28_GHC1-2-5_684
Analysis Date	April 28, 2021, 3:23 a.m.
Analysis Flows	0
runID	WKOLM
BeadFind Args	justBeadFind -args-json /opt/ion/config/args_P1.1.17_beadfind.json
Analysis Args	Analysis -args-json /opt/ion/config/args_P1.1.17_analysis.json
Pre-BaseCaller	BaseCaller -trim-qual-cutoff 15 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -max-phasing-levels 2
Calibration Args	Calibration
BaseCaller Args	BaseCaller -trim-qual-cutoff 15 -barcode-filter-minreads 10 -phasing-residual-filter=2.0 -max-phasing-levels 2 -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	5.12.1
host	FW7DQV1
ion-analysis	5.12.27-1
ion-dbreports	5.12.60-1
ion-gpu	5.12.1-1
ion-pipeline	5.12.17-1
ion-torrentpy	5.12.21-1
ion-torrentr	5.12.23-1
Script	2.1.46
LiveView	2514
DataCollect	3738
OIA	51206
OS	35
Graphics	134