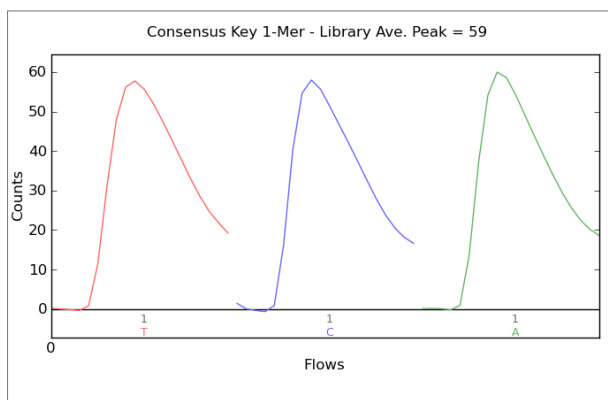
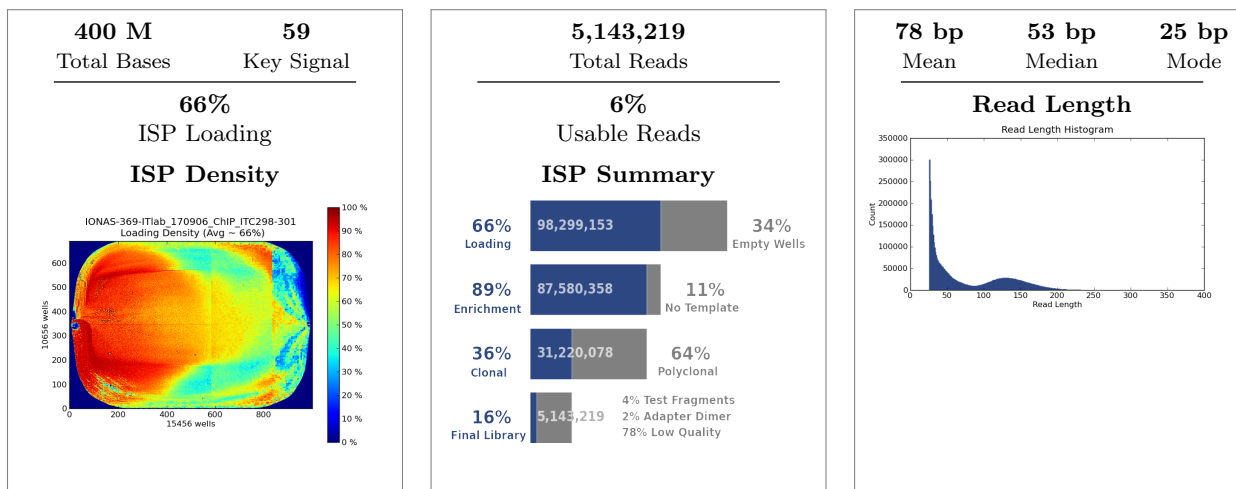


Run Summary



| Addressable Wells | | 148,155,732 |
|-------------------|------------|-------------|
| With ISPs | 98,299,153 | 66.3% |
| Live | 87,580,358 | 89.1% |
| Test Fragment | 2,019,272 | 02.3% |
| Library | 85,561,086 | 97.7% |

| Library ISPs | | 85,561,086 |
|---------------------------|------------------|--------------|
| Filtered: Polyclonal | 56,360,280 | 65.9% |
| Filtered: Low Quality | 24,507,354 | 28.6% |
| Filtered: Adapter Dimer | 750,352 | 00.9% |
| Final Library ISPs | 5,143,219 | 06.0% |

Notes: ITlab-Tereza_8ChIPseqs_PhosphoSeryn2POLII_Evaggelia_8ChIPseqs_POLII_PartRerunSeq170726

| Barcode Name | Sample | Bases | $\geq Q20$ | Reads | Mean Read Length |
|---------------|--------------------------|-------------|------------|-----------|------------------|
| No barcode | none | 15,343,152 | 8,827,276 | 282,363 | 54 bp |
| IonXpress_009 | ITC298-PolII- Untrwt3 | 91,538,473 | 54,206,004 | 1,169,381 | 78 bp |
| IonXpress_010 | ITC299-PolII- Untrwt4 | 122,611,102 | 73,075,742 | 1,523,498 | 80 bp |
| IonXpress_011 | ITC300-PolII- Untrko1 | 87,194,906 | 50,670,112 | 1,149,036 | 76 bp |
| IonXpress_012 | ITC301-PolII- Untrko3 | 83,096,919 | 50,372,326 | 1,017,887 | 82 bp |

| Test Fragment | Reads | Percent 50AQ17 | Read Length Histogram |
|---------------|----------------|----------------|-----------------------|
| TF_C | 834,500 | 0% | |

Alignment Summary (*aligned to*)

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

| % | |
|----------------------|--|
| Mean Raw Accuracy 1x | |
| base_error_plot.png | |

| Alignment Quality | | | |
|-----------------------------|------|------|---------|
| | AQ17 | AQ20 | Perfect |
| Total Reads | 0 | - | |
| Aligned Reads | 0 | 0 | |
| 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_2017_09_07_15_12_04_user_IONAS-369-ITlab_170906_ChIP_ITC298-301 |
| Run Date | Sept. 7, 2017, 3:14 p.m. |
| Run Flows | 520 |
| Projects | ITLab_ChipSeq |
| Sample | ITC298-PolIII-Untrwt3, ITC300-PolIII-Untrko1, ITC299-PolIII-Untrwt4, ITC301-PolIII-Untrko3 |
| Reference | |
| Instrument | IONAS |
| Flow Order | TACGTACGTCTGAGCATCGATCGATGTACAGC |
| Library Key | TCAG |
| TF Key | ATCG |
| Chip ID | DACJ02540 |
| Chip Check | Passed |
| Chip Type | P1.1.17 |
| Chip Data | tiled |
| Barcode Set | IonXpress |
| Analysis Name | Auto_user_IONAS-369-ITlab_170906_ChIP_ITC298-301_473 |
| Analysis Date | Sept. 7, 2017, 10:59 p.m. |
| Analysis Flows | 0 |
| runID | CKA4W |
| 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

Chef Template Prep Information:

| | |
|-----------------------------|---------------------------|
| Chef Last Updated | Sept. 7, 2017, 11:04 a.m. |
| Chef Instrument Name | CHEF00509 |
| Sample Position | 1 |
| Tip Rack Barcode | 25217011C |
| Chip Type 1 | P1v3 |
| Chip Type 2 | P1v3 |
| Chip Expiration 1 | Oct2017 |
| Chip Expiration 2 | Oct2017 |
| Templating Kit Type | Ion PI IC 200 Kit |
| Reagent Expiration | 151225 |
| Reagent Lot Number | 0023442 |
| Reagent Part Number | 100023442 |
| Solution Lot Number | 0022894 |
| Solution Part Number | 100022894 |
| Solution Expiration | 72757 |
| Chef Script Version | 263 |
| Chef Package Version | IC.5.0.1 |

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 |
| Ion.Chef | IC.5.0.1 |