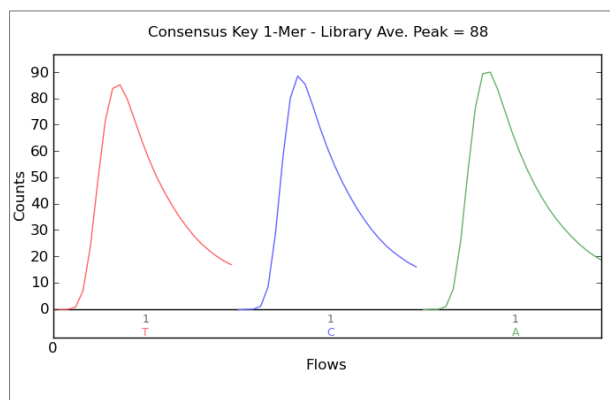
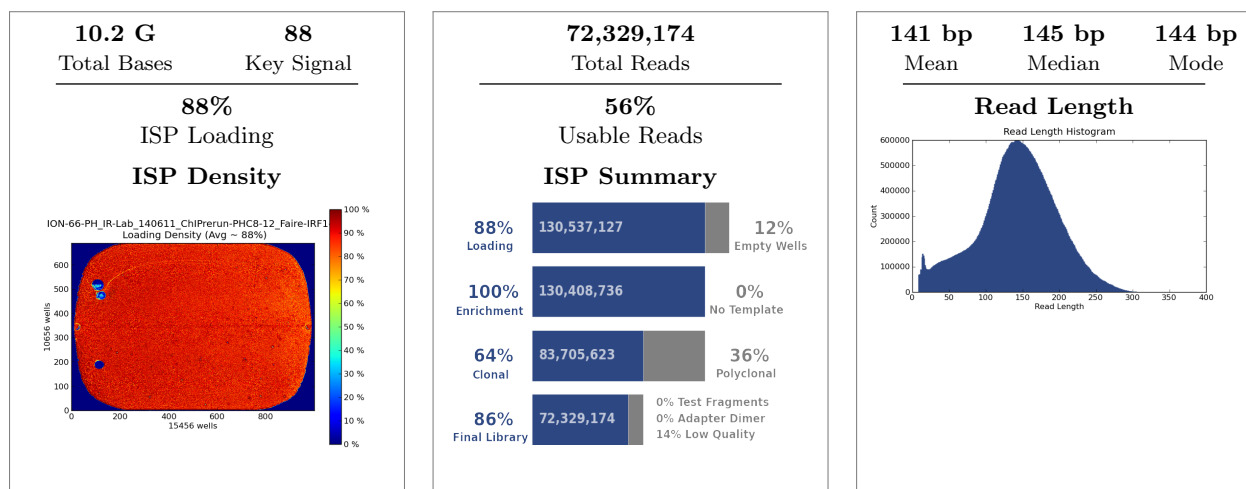


Run Summary



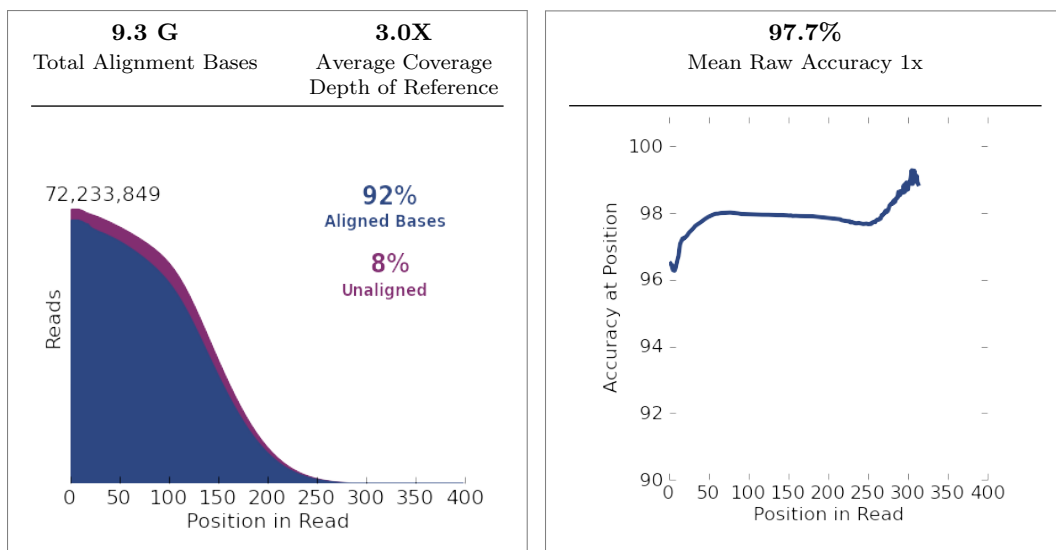
| | | |
|---------------------------|--------------------|--------------|
| Addressable Wells | 148,603,956 | |
| With ISPs | 130,537,127 | 87.8% |
| Live | 130,408,736 | 99.9% |
| Test Fragment | 346,579 | 00.3% |
| Library | 130,062,157 | 99.7% |
| Library ISPs | 130,062,157 | |
| Filtered: Polyclonal | 46,703,113 | 35.9% |
| Filtered: Low Quality | 10,748,211 | 08.3% |
| Filtered: Primer Dimer | 311,232 | 00.2% |
| Final Library ISPs | 72,329,174 | 55.6% |

Notes: PHlab-2ChIPrerun_PHC8-TCdox-BC12_PCH12-PIIdox-BC16_IRlab-2Faire-IRF1-Input-BC4-IRF2-faire-BC5

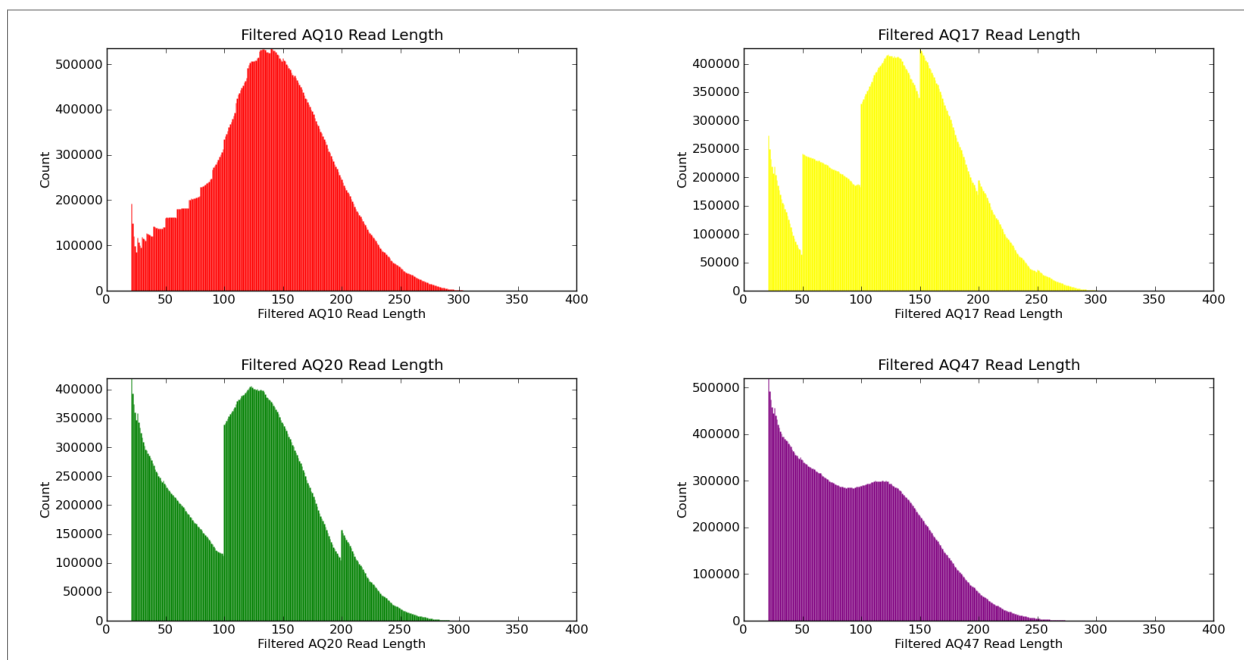
| Barcode Name | Sample | Bases | ≥ Q20 | Reads | Mean Read Length |
|---------------|--------|---------------|---------------|------------|------------------|
| No barcode | None | 84,296,318 | 63,172,781 | 834,133 | 101 bp |
| IonXpress_004 | IRF1 | 2,728,481,084 | 2,224,590,740 | 18,566,602 | 146 bp |
| IonXpress_005 | IRF2 | 2,666,102,190 | 2,206,734,232 | 18,851,166 | 141 bp |
| IonXpress_012 | PHC8 | 1,499,626,643 | 1,244,661,309 | 10,693,448 | 140 bp |
| IonXpress_016 | PHC12 | 3,244,419,475 | 2,668,793,236 | 23,288,499 | 139 bp |

| Test Fragment | Reads | Percent 50AQ17 | Read Length Histogram |
|---------------|----------------|----------------|-----------------------|
| TF_C | 233,949 | 72% | |

Alignment Summary *(aligned to Homo sapiens)*



| | AQ17 | AQ20 | Perfect |
|------------------------------------|-------|------|---------|
| Total Number of Bases [Mbp] | 7.1 G | 6 G | 4.7 G |
| Mean Length [bp] | 130 | 117 | 95 |
| Longest Alignment [bp] | 334 | 333 | 333 |
| Mean Coverage Depth | 2.3 | 2.0 | 1.5 |



Analysis Details

| | |
|----------------|---|
| Run Name | R_2014.06.11.04.15.32_user_ION-66-PH_IR-Lab_140611_ChIPrerun-PHC8-12_Faire-IRF1-2 |
| Run Date | June 11, 2014, 4:17 a.m. |
| Run Flows | 520 |
| Projects | PHLab_ChIPSeq |
| Sample | PHC8, PHC12, IRF2, IRF1 |
| Reference | |
| PGM | IONAS |
| Flow Order | TACGTACGTCTGAGCATCGATCGATGTACAGC |
| Library Key | TCAG |
| TF Key | ATCG |
| Chip Check | Passed |
| Chip Type | P1.1.17 |
| Chip Data | tiled |
| Barcode Set | IonXpress |
| Analysis Name | Auto_user_ION-66-PH_IR-Lab_140611_ChIPrerun-PHC8-12_Faire-IRF1-2_94 |
| Analysis Date | June 11, 2014, 8:08 p.m. |
| Analysis Flows | 0 |
| runID | NA363 |

Software Version

| | |
|-------------------|----------|
| Torrent_Suite | 4.0.2 |
| host | FW7DQV1 |
| ion-analysis | 4.0.6-1 |
| ion-dbreports | 4.0.39-1 |
| ion-gpu | 4.0.0-1 |
| ion-pipeline | 4.0.12-1 |
| ion-plugins | 4.0.37-1 |
| ion-protonupdates | 4.0.3 |
| ion-torrentr | 4.0.4-1 |
| LiveView | 1720 |
| DataCollect | 2801 |
| OIA | 4000 |
| OS | 17 |
| Graphics | 30 |