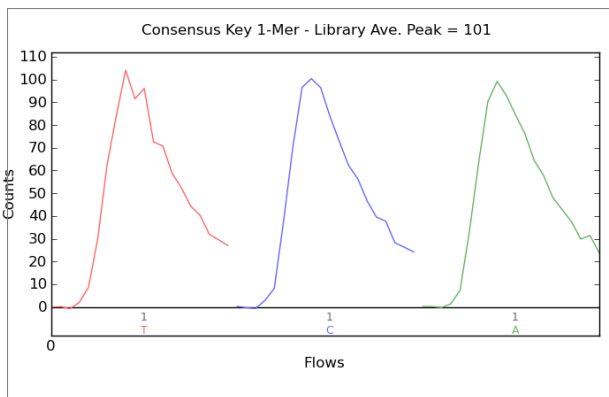
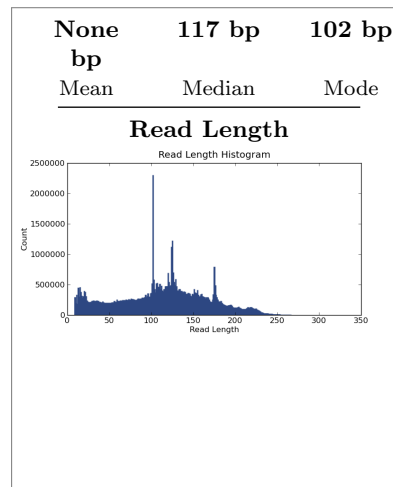
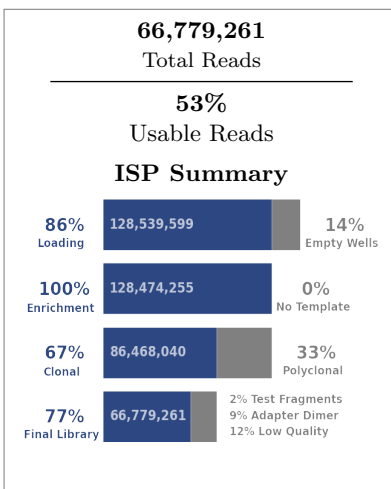
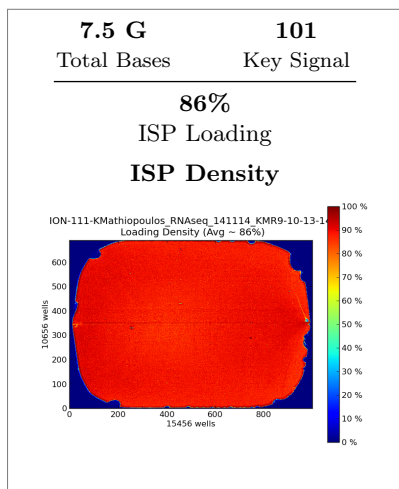


## Run Summary



| Addressable Wells | <b>150,242,922</b> |       |
|-------------------|--------------------|-------|
| With ISPs         | 128,539,599        | 85.6% |
| Live              | 128,474,255        | 99.9% |
| Test Fragment     | 1,862,403          | 01.4% |
| Library           | 126,611,852        | 98.6% |

| Library ISPs              | <b>126,611,852</b> |              |
|---------------------------|--------------------|--------------|
| Filtered: Polyclonal      | 42,006,215         | 33.2%        |
| Filtered: Low Quality     | 9,876,406          | 07.8%        |
| Filtered: Primer Dimer    | 7,964,744          | 06.3%        |
| <b>Final Library ISPs</b> | <b>66,779,261</b>  | <b>52.7%</b> |

Notes: KMathiopoulos-24RNAsamples\_KMR9-S103HeM2-bc1\_KMR10-S103HeF2-bc4\_KMR13-886HeM2-bc11\_KMR20-KMR14-886HeF2-bc12

| Barcode Name     | Sample | Bases         | ≥ Q20         | Reads      | Mean Read Length |
|------------------|--------|---------------|---------------|------------|------------------|
| No barcode       | none   | 222,341,950   | 129,051,226   | 3,402,201  | 65 bp            |
| IonXpressRNA_001 | KMR9   | 1,334,730,962 | 1,025,011,235 | 13,234,776 | 100 bp           |
| IonXpressRNA_004 | KMR10  | 532,237,168   | 393,084,658   | 6,097,763  | 87 bp            |
| IonXpressRNA_011 | KMR13  | 2,669,438,509 | 2,057,946,145 | 21,650,571 | 123 bp           |
| IonXpressRNA_012 | KMR14  | 2,766,144,833 | 2,086,111,723 | 22,336,070 | 123 bp           |

| Test Fragment | Reads            | Percent 50AQ17 | Read Length Histogram |
|---------------|------------------|----------------|-----------------------|
| <b>TF_C</b>   | <b>1,446,030</b> | <b>41%</b>     |                       |



Filtered\_Alignments\_Q10.png

Filtered\_Alignments\_Q17.png

Filtered\_Alignments\_Q20.png

Filtered\_Alignments\_Q47.png

## Analysis Details

|                       |  |
|-----------------------|--|
| <b>Run Name</b>       | R_2014.11.14_12.40.40_user_ION-111-KMathiopoulos_RNAseq_141114_KMR9-10-13-14 |
| <b>Run Date</b>       | Nov. 14, 2014, 12:44 p.m.  |
| <b>Run Flows</b>      | 500  |
| <b>Projects</b>       | DrMathiopoulos_RNAseq  |
| <b>Sample</b>         | KMR14, KMR9, KMR10, KMR13  |
| <b>Reference</b>      |  |
| <b>PGM</b>            | IONAS  |
| <b>Flow Order</b>     | TACGTACGTCTGAGCATCGATCGATGTACAGC   |
| <b>Library Key</b>    | TCAG   |
| <b>TF Key</b>         | ATCG   |
| <b>Chip Check</b>     | Passed   |
| <b>Chip Type</b>      | P1.1.17  |
| <b>Chip Data</b>      | tiled  |
| <b>Barcode Set</b>    | IonXpressRNA   |
| <b>Analysis Name</b>  | Auto_user_ION-111-KMathiopoulos_RNAseq_141114_KMR9-10-13-14_170              |
| <b>Analysis Date</b>  | Nov. 14, 2014, 7:34 p.m.   |
| <b>Analysis Flows</b> | 0  |
| <b>runID</b>          | ILWRH  |

## Software Version

|                          |          |
|--------------------------|----------|
| <b>Torrent_Suite</b>     | 4.2.1    |
| <b>host</b>              | FW7DQV1  |
| <b>ion-analysis</b>      | 4.2.18-1 |
| <b>ion-chefupdates</b>   | 4.2.0    |
| <b>ion-dbreports</b>     | 4.2.22-1 |
| <b>ion-gpu</b>           | 4.2.2-1  |
| <b>ion-pipeline</b>      | 4.2.12-1 |
| <b>ion-plugins</b>       | 4.2.28-1 |
| <b>ion-protonupdates</b> | 4.2.2    |
| <b>ion-torrentr</b>      | 4.2.1-1  |
| <b>LiveView</b>          | 1835     |
| <b>DataCollect</b>       | 2929     |
| <b>OIA</b>               | 4201     |
| <b>OS</b>                | 21       |
| <b>Graphics</b>          | 34       |