|  |  |  |
| --- | --- | --- |
|  | **ISOexpresso** |  |
| **Reference**  **genome** | hg19/GRCh37  reference genome  (UCSC Feb.2009) | Hg38/GRCh38  reference genome  (UCSC Dec.2013) |
| **Reference transcriptome** | - | ref seq  (NCBI May. 2017) |
| **Data source** | TCGA  Cancer type : 30  Normal : 735  Tumor : 9499 | GEO  Cancer type : 1  Normal : 18  Tumor : 36 |
| **condition** | \*Solid tussue normal  \*Primary solid tumor  \*Recurrent solid tumor |  |
| **algorithm** | RSEM | RSEM |
| **Isoform defined** | UCSC | NCBI |
| **Differential expression**  **(FC)** | by median TPM | by edgeR |
| **Filter** | Gene | FC , Pvalue |
|  |  |  |

最大期望演算法expectation maximization(EM) algorithm