RNASeq data analysis working document

<https://support.bioconductor.org/p/p134370/>

<https://github.com/lulab/training/blob/master/proj_exRNA/example_small/diffexp.DESeq2.R>

<https://support.bioconductor.org/p/134070/>

qPCR design resources

To calculate TM et al

<http://insilico.ehu.es/tm.php?primer=TAGGTTTTATATCTTTAGACTG&basic=1&cp=200&cs=50&cmg=0>

To check miRbase, to confirm RNA length

<https://www.mirbase.org/cgi-bin/mirna_entry.pl?acc=MI0000282>

Primer design considerations

<https://www.unlv.edu/genomics/equipment-services/primer-design-considerations>

designing primers for full length genes using primer blast

<https://www.ncbi.nlm.nih.gov/tools/primer-blast/primertool.cgi?ctg_time=1659401324&job_key=qaN2aJD-nVa6aJhtlQ28X-8WrW3CBbZwww>

Rules for primer design

<https://www.unlv.edu/genomics/equipment-services/primer-design-considerations>

<https://www.bio-rad.com/en-ca/applications-technologies/qpcr-assay-design-optimization?ID=LUSO7RIVK>

BTG1

<https://www.ncbi.nlm.nih.gov/tools/primer-blast/primertool.cgi?ctg_time=1659382261&job_key=Ymi9oBktFIUzv4S6idqgiPPBsbre0qqn3w>

PRG2

<https://www.ncbi.nlm.nih.gov/tools/primer-blast/primertool.cgi?ctg_time=1659381944&job_key=YGq_oVD3XV96YVhkVQR8Vi8fbWQCDHZ5Aw>

GHITM

<https://www.ncbi.nlm.nih.gov/tools/primer-blast/primertool.cgi?ctg_time=1659373533&job_key=WlCFD0TGSW5uUFNVXjV3ZyQuZlUJPX1ICA>

ADO

<https://www.ncbi.nlm.nih.gov/tools/primer-blast/primertool.cgi?ctg_time=1659381088&job_key=DQfSzD33MF8XYTVkOAQRVkIfAGRvDBt5bg>

Papers

<https://www.future-science.com/doi/10.2144/btn-2019-0065>

tool for designing primers for small non coding RNA

PS: I am not sure if this tool works for me

<https://www.future-science.com/doi/10.2144/btn-2019-0065\>

miR-199b

<https://www.ncbi.nlm.nih.gov/tools/primer-blast/primertool.cgi?ctg_time=1659581306&job_key=urBl7OGD7CvLFfYQ-3DSIoFrwxCseNgNrQ>

A tool I found, an excel spreadsheet saved as ‘tool for designing miRNA qRTPCR primers’ in the i’cloud folder

R

DESeq2

<https://bioconductor.org/packages/release/bioc/vignettes/DESeq2/inst/doc/DESeq2.html#countmat>

<https://bioconductor.org/packages/release/bioc/vignettes/DESeq2/inst/doc/DESeq2.R>

<https://support.bioconductor.org/p/9145601/>

<https://support.bioconductor.org/p/p134370/>

<https://support.bioconductor.org/p/111685/#111691>

IGV

<https://igv.org/workshops/BroadApril2017/IGV_SlideDeck.pdf>

<https://software.broadinstitute.org/software/igv/>

<https://software.broadinstitute.org/software/igv/UserGuide>

<https://www.biostars.org/p/9509326/>