## Supplementary Materials for "A pan-cancer network analysis with integration of miRNA-gene targeting for multiomics datasets"

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- Data was published via the NCI Genomic Data Commons Legacy Archive. TCGA data omics data were downloaded and formatted using TCGA-Assembler software, version 2. The data must include: gene expression, miRNA expression, methylation and copy number variants. (portal.gdc.cancer.gov)
- The mirDIP: microRNA Data Integration Portal database of miRNAgene target interactions. (ophid.utoronto.ca/mirDIP/)
- NCI Pathway Interaction Database (PID): Schaefer CF, Anthony K, Krupa S, Buchoff J, Day M, Hannay T, Buetow KH. PID: the Pathway Interaction Database. Nucleic Acids Res. 2009 Jan; 37(Database issue):D674-9. doi: 10.1093/nar/gkn653. Epub 2008 Oct 2. PMID: 18832364; PMCID: PMC2686461.
- Example code can be found at github.com/Zhang-Data-Science-Research-Lab/miEMC-NetGSA-BRAF.
- Web-server can be found at zhang-lab.shinyapps.io/pathway-analysismirna/.