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| **Data Folder** | **Files** | **Description** |
| 1.QualityControl | basicStatsAll.xlsx | Results before and after sequence quality control filtering |
| QualityScore\_After/BeforeFilter.png |
| SequenceGCContent\_After/BeforeFilter.png |
| 2.MappingStatistics | MappingStatistics.xlsx | Mapping result statistics |
| 3.GeneStructure | Gene Structure.xlsx | Gene structure analysis results |
| Gene Structure.png |
| 4.ReadsDistributionOn Chromosome | ChrDistribution.png | Reads distribution statistics on chromosomes |
| 5.Expression | all.counts.xlsx | The amount of gene expression obtained by sequencing |
| all.fpkm.xlsx |
| Corr.png | Correlation coefficient of the sample, box plot, etc. |
| 3D\_PCA.png |
| density.png |
| RPKMBox.png |
| RPKMViolin.png |
| 6.DifferenceExpression | \*.All.xlsx  \*.log2FC0.585.FDR0.05.xlsx | Differential screening results for Counts using DESeq2, significant difference gene standard Log2FC>0.585 or <-0.585, FDR<0.05 |
| Heatmap.png | Heat map results for all differential genes |
| MAplot.png | MAplot plotting results for all differential genes |
| Volcano.png | Volcano plotting results for all differential genes |
| 7.GOAnalysis | GOAnalysis | Results of significant functional analysis of significant differential genes using Fisher |
| 8.PathwayAnalysis | PathwayAnalysis | Results of Pathway significance analysis using Fisher for significant differential genes |
| 9.VennAnalysis | Venn-lcn2.xlsx  Venn-lcn2.png | lcn2-1DayVSsham和lcn2-1DayVSsham  Results of Wayne analysis |
| Venn-1Day.xlsx  Venn-1Day.png | SAH-siRNA-lcn2-1VSSAH-siRNA-NC-1d、SAH-siRNA-lcn2-1VSsham和SAH-siRNA-NC-1dVSsham  Results of ternary Wayne analysis |
| Venn-3Day.xlsx  Venn-3Day.png | SAH-siRNA-lcn2-3dayVSSAH-siRNA-NC-3d、SAH-siRNA-lcn2-3dayVSsham和SAH-siRNA-NC-3dVSshamResults of ternary Wayne analysis |
| 10.SeriesCluster | Prodiletable.xlsx | Trend analysis using the union of the ternary Wien analysis results; (Venn-1Day/Venn-3Day) |
| genetable.xlsx |
| profile |
| Sig.png |
| Number.png |
| Non.png |
| 11.Seriescluster-GOAnalysis | GOAnalysis | Results of significant functional analysis using Fisher's results for trend analysis |
| 12.Seriescluster-PathWayAnalysis | PathwayAnalysis | Results of Pathway significance analysis using Fisher's results for trend analysis |