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| **GeneLab RNAseq datasets processed from October 2019 to current** | |
| **Organism** | **Genome / Annotation Files Used** |
| Arabidopsis thaliana | Ensembl Plants release 44  Genome file:  ftp://ftp.ensemblgenomes.org/pub/plants/release-44/fasta/arabidopsis\_thaliana/dna/Arabidopsis\_thaliana.TAIR10.dna.toplevel.fa.gz  Annotation file:  ftp://ftp.ensemblgenomes.org/pub/plants/release-44/gtf/arabidopsis\_thaliana/Arabidopsis\_thaliana.TAIR10.44.gtf.gz |
| Bacillus subtilis | Ensembl Bacteria release 46  Genome file:  ftp://ftp.ensemblgenomes.org/pub/bacteria/release-46/fasta/bacteria\_0\_collection/bacillus\_subtilis\_subsp\_subtilis\_str\_168/dna/Bacillus\_subtilis\_subsp\_subtilis\_str\_168.ASM904v1.dna.toplevel.fa.gz  Annotation file:  ftp://ftp.ensemblgenomes.org/pub/bacteria/release-46/gtf/bacteria\_0\_collection/bacillus\_subtilis\_subsp\_subtilis\_str\_168/Bacillus\_subtilis\_subsp\_subtilis\_str\_168.ASM904v1.46.gtf.gz |
| Brassica rapa | Ensembl Plants release 43  Genome file:  ftp://ftp.ensemblgenomes.org/pub/plants/release-43/fasta/brassica\_rapa/dna/Brassica\_rapa.Brapa\_1.0.dna.toplevel.fa.gz  Annotation file:  ftp://ftp.ensemblgenomes.org/pub/plants/release-43/gtf/brassica\_rapa/Brassica\_rapa.Brapa\_1.0.43.gtf.gz |
| Drosophila melanogaster | Ensembl release 98  Genome file:  ftp://ftp.ensembl.org/pub/release-98/fasta/drosophila\_melanogaster/dna/Drosophila\_melanogaster.BDGP6.22.dna.toplevel.fa.gz  Annotation file:  ftp://ftp.ensembl.org/pub/release-98/gtf/drosophila\_melanogaster/Drosophila\_melanogaster.BDGP6.22.98.gtf.gz |
| ERCC | Thermo Fisher  Genome file:  https://assets.thermofisher.com/TFS-Assets/LSG/manuals/ERCC92.zip  (Note it’s the ERCC92.fa file in the zipped directory)  Annotation file:  https://assets.thermofisher.com/TFS-Assets/LSG/manuals/ERCC92.zip  (Note it’s the ERCC92.gtf file in the zipped directory) |
| Escherichia coli | Ensembl Bacteria release 47  Genome file:  ftp://ftp.ensemblgenomes.org/pub/bacteria/release-47/fasta/bacteria\_159\_collection/escherichia\_coli\_gca\_001284565/dna/Escherichia\_coli\_gca\_001284565.7790\_1\_86.dna.toplevel.fa.gz  Annotation file:  ftp://ftp.ensemblgenomes.org/pub/bacteria/release-47/gtf/bacteria\_159\_collection/escherichia\_coli\_gca\_001284565/Escherichia\_coli\_gca\_001284565.7790\_1\_86.47.gtf.gz |
| Homo sapiens | Ensembl release 98  Genome file:  ftp://ftp.ensembl.org/pub/release-98/fasta/homo\_sapiens/dna/Homo\_sapiens.GRCh38.dna.primary\_assembly.fa.gz  Annotation file:  ftp://ftp.ensembl.org/pub/release-98/gtf/homo\_sapiens/Homo\_sapiens.GRCh38.98.gtf.gz |
| Mus musculus | Ensembl release 96  Genome file:  ftp://ftp.ensembl.org/pub/release-96/fasta/mus\_musculus/dna/Mus\_musculus.GRCm38.dna.toplevel.fa.gz  Annotation file:  ftp://ftp.ensembl.org/pub/release-96/gtf/mus\_musculus/Mus\_musculus.GRCm38.96.gtf.gz |
| Mycobacterium marinum | Ensembl Bacteria release 47  Genome file:  ftp://ftp.ensemblgenomes.org/pub/bacteria/release-47/fasta/bacteria\_8\_collection/mycobacterium\_marinum\_m/dna/Mycobacterium\_marinum\_m.ASM1834v1.dna.toplevel.fa.gz  Annotation file:  ftp://ftp.ensemblgenomes.org/pub/bacteria/release-47/gtf/bacteria\_8\_collection/mycobacterium\_marinum\_m/Mycobacterium\_marinum\_m.ASM1834v1.47.gtf.gz |
| Oryzias latipes | Ensembl release 99  Genome file:  ftp://ftp.ensembl.org/pub/release-99/fasta/oryzias\_latipes/dna/Oryzias\_latipes.ASM223467v1.dna.toplevel.fa.gz  Annotation file:  ftp://ftp.ensembl.org/pub/release-99/gtf/oryzias\_latipes/Oryzias\_latipes.ASM223467v1.99.gtf.gz |
| Staphylococcus aures | Ensembl Bacteria release 47  Genome file:  ftp://ftp.ensemblgenomes.org/pub/bacteria/release-47/fasta/bacteria\_88\_collection/staphylococcus\_aureus\_subsp\_aureus\_gca\_000788115/dna/Staphylococcus\_aureus\_subsp\_aureus\_gca\_000788115.ASM78811v1.dna.toplevel.fa.gz  Annotation file:  ftp://ftp.ensemblgenomes.org/pub/bacteria/release-47/gtf/bacteria\_88\_collection/staphylococcus\_aureus\_subsp\_aureus\_gca\_000788115/Staphylococcus\_aureus\_subsp\_aureus\_gca\_000788115.ASM78811v1.47.gtf.gz |
| Streptococcus mutans | Ensembl Bacteria release 47  Genome file:  ftp://ftp.ensemblgenomes.org/pub/bacteria/release-47/fasta/bacteria\_12\_collection/streptococcus\_mutans\_ua159/dna/Streptococcus\_mutans\_ua159.ASM746v2.dna.toplevel.fa.gz  Annotation file:  ftp://ftp.ensemblgenomes.org/pub/bacteria/release-47/gtf/bacteria\_12\_collection/streptococcus\_mutans\_ua159/Streptococcus\_mutans\_ua159.ASM746v2.47.gtf.gz |