

FTP Files

Additional Figures (FTP Figures)

RNA-Seq Trinity assemblies

ftp://ftp.broadinstitute.org/pub/vgb/cichlids/RNASeq_Assemblies/

- M_zebra.transcripts.tgz
- H_burtoni.transcripts.tgz
- N_brichardi.transcripts.tgz
- O_niloticus.transcripts.tgz
- P_nyererei.transcripts.tgz
- README.txt

Annotation

<ftp://ftp.broadinstitute.org/pub/vgb/cichlids/Annotation/>

- Protein_coding/
 - Orthology_data/
 - 121orthologsV2
 - full_orthologs
 - cDNA_Fastas/
 - Astatotilapia_burtoni.BROADAB2.cdna.fa.gz
 - Metriaclima_zebra.BROADMZ2.cdna.fa.gz
 - Neolamprologus_brichardi.BROADNB2.cdna.fa.gz
 - Oreochromis_niloticus.BROADON2.cdna.fa.gz
 - Pundamilia_nyererei.BROADPN2.cdna.fa.gz
 - Peptide_Files/
 - Astatotilapia_burtoni.BROADAB2.pep.all.fa.gz
 - Metriaclima_zebra.BROADMZ2.pep.all.fa.gz
 - Neolamprologus_brichardi.BROADNB2.pep.all.fa.gz
 - Oreochromis_niloticus.BROADON2.pep.all.fa.gz
 - Pundamilia_nyererei.BROADPN2.pep.all.fa.gz
 - GTF_Files/
 - Astatotilapia_burtoni.BROADAB2.gtf.gz
 - Metriaclima_zebra.BROADMZ2.gtf.gz
 - Neolamprologus_brichardi.BROADNB2.gtf.gz
 - Oreochromis_niloticus.BROADON2.gtf.gz
 - Pundamilia_nyererei.BROADPN2.gtf.gz
 - Annotation_Metadata/
 - GOterms.txt.gz
 - gene2goslim.gz
 - geneNamesTree.gz
 - gene2go.gz

- Inc_Annotation/
 - mzeb.Inc.final.gtf.gz
 - pnye.Inc.final.gtf.gz
 - abur.Inc.final.gtf.gz
 - nbri.Inc.final.gtf.gz
 - onil.Inc.final.gtf.gz

- TE_Annotation/
 - Abur_final_TE.bed.gz
 - Mzeb_final_TE.bed.gz
 - Nbri_final_TE.bed.gz
 - Onil_final_TE.bed.gz
 - Pnye_final_TE.bed.gz

Gene Expression

ftp://ftp.broadinstitute.org/pub/vgb/cichlids/Gene_Expression/

- cuffReleaseV2.sqlite
- cuffReleaseV2unique.sqlite

Transposable Elements

ftp://ftp.broadinstitute.org/pub/vgb/cichlids/Transposable_Elements/

- Okada/
 - H_burtoni_v1.contigs.fasta.out.gz
 - M_zebra_v0.contigs.fasta.out.gz
 - N_brichardi_v1.contigs.fasta.out.gz
 - O_niloticus_wgs_v1.contigs.fasta.out.gz
 - P_nyererei_v1.contigs.fasta.out.gz

- Meyer/
 - H_burtoni_RepeatMasker.out.gz
 - M_zebra_RepeatMasker.out.gz
 - M_zebra_v0.masked.gz
 - N_brichardi_RepeatMasker.out.gz
 - N_brichardi_v0.masked.gz
 - O_niloticus_RepeatMasker.out.gz
 - O_niloticus_wgs_v1.masked.gz
 - P_nyererei_RepeatMasker.out.gz
 - P_nyererei_v0.masked.gz
 - TECLASS.txt.gz
 - te.gz

- 108 Benjamini, Y. a. H., Y. Controlling the false discovery rate: a practical and powerful approach to multiple testing. *J Roy Statist Soc Ser B (Methodological)* **57**, 289-300 (1995).
- 109 Computing, T. R. F. f. S. R, 2004-2013.
- 110 Cingolani, P. *et al.* A program for annotating and predicting the effects of single nucleotide polymorphisms, SnpEff: SNPs in the genome of *Drosophila melanogaster* strain w1118; iso-2; iso-3. *Fly* **6**, 80-92 (2012).
- 111 Falcon, S. & Gentleman, R. Using GOstats to test gene lists for GO term association. *Bioinformatics* **23**, 257-258 (2007).