

Supplementary data for the genome assembly and annotation of the huemul (*Hippocamelus bisulcus*), associated with NCBI BioProject PRJNA1509444.

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This deposit provides supplementary data related to the nuclear genome assembly and complete mitochondrial genome of the huemul (*Hippocamelus bisulcus*), an endangered deer endemic to the Andean-Patagonian region of southern South America (NCBI BioProject PRJNA1509444).

It includes the complete mitochondrial genome and its MITOS2 annotation; the nuclear structural annotation (LiftOn) and predicted proteomes; the de novo repeat library (RepeatModeler) and the RepeatMasker annotation; nuclear and mitochondrial maximum-likelihood phylogenies (alignments together with IQ-TREE trees and reports); OrthoFinder comparative-genomics outputs across nine Cervidae proteomes and *Bos taurus*; and assembly and annotation quality-control summaries (BUSCO, QUAST).

The nuclear and mitochondrial genomes assembly and the quality-filtered Oxford Nanopore reads are not included here; they are available from NCBI under BioProject PRJNA1509444: the WGS assembly (GenBank JCCBWI000000000; version JCCBWI010000000) and the SRA reads SRR40078882 (Shehuen) and SRR40078881 (Coirón).

Associated preprint: Ousset et al. (2026), bioRxiv, <https://doi.org/10.64898/2026.09.04.747633> (under peer review).

Analysis scripts are available from the project GitHub repository: <https://github.com/judeland/huemul-genome-pipeline>

Large text files are gzip-compressed (.gz). A SHA-256 checksum manifest (CHECKSUMS_sha256.txt) and a README describing every file are included.

Files

huemul_genome_resources.zip			
	orthogroups_gene_count.tsv	740.9 kB	
	orthogroups_single_copy.txt	109.1 kB	
	06_QC		
	busco_genome_full_table.tsv	1.9 MB	
	busco_genome_summary.txt	969 Bytes	
	busco_proteome_full_table.tsv	1.7 MB	
	busco_proteome_summary.txt	713 Bytes	
	quast_report_vs_Ovirgianus.txt	2.9 kB	
	CHECKSUMS_sha256.txt	4.0 kB	
	README.md	4.2 kB	

Files (179.2 MB) ▼		
Name	Size	 Download all
huemul_genome_resources.zip md5:507059eb64df718625c93f7d209b60c5 	179.2 MB	 Preview  Download

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Is derived from

Dataset: <https://www.ncbi.nlm.nih.gov/bioproject/PRJNA1509444> (URL)

Is published in

Preprint: [10.64898/2026.09.04.747633](https://doi.org/10.64898/2026.09.04.747633) (DOI)

Is supplemented by

Software: <https://github.com/judeland/huemul-genome-pipeline> (URL)