

ERGA Assembly Report

v24.04.03_beta

Tags: ERGA-BGE

TxID	69427
ToLID	xgAlbTers5
Species	Albinaria teres
Class	Gastropoda
Order	Stylommatophora

Genome Traits	Expected	Observed
Haploid size (bp)	1,601,490,426	1,732,817,941
Haploid Number	20 (source: ancestor)	31
Ploidy	2 (source: ancestor)	2
Sample Sex	Unknown	unknown

EBP metrics summary and curation notes

Obtained EBP quality metric for collapsed: 6.7.Q56

The following metrics were automatically flagged as below EBP recommended standards or different from expected:

- . Observed Haploid Number is different from Expected
- . Kmer completeness value is less than 90 for collapsed

Curator notes

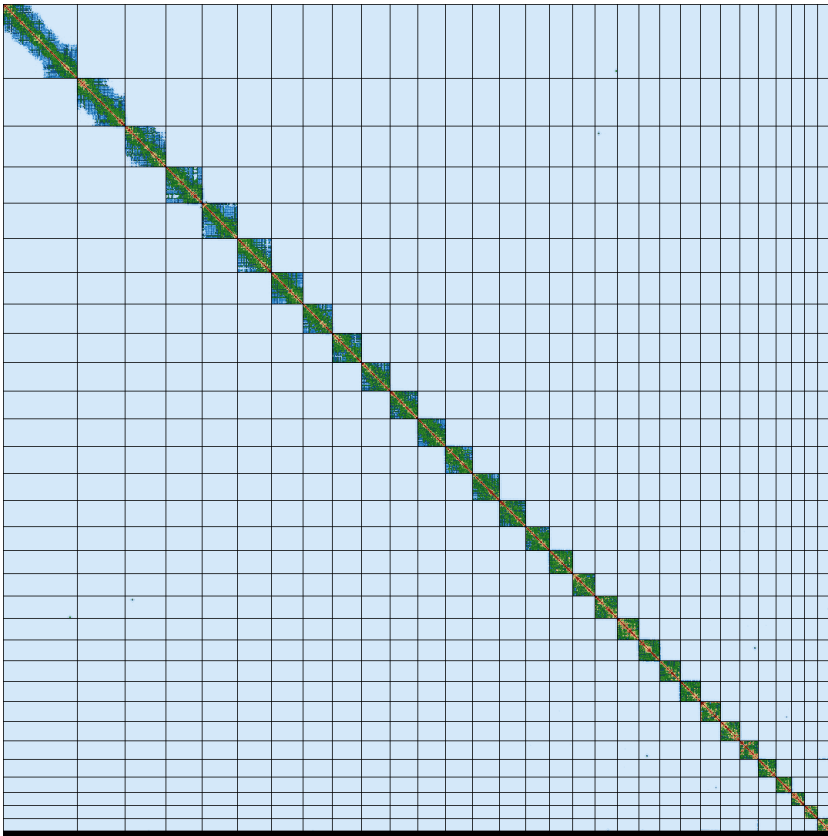
- . Interventions/Gb: None
- . Contamination notes: "None"
- . Other observations: "None"

Quality metrics table

Metrics	Pre-curation collapsed	Curated collapsed
Total bp	1,733,434,212	1,732,817,941
GC %	38.99	38.99
Gaps/Gbp	192.68	196.79
Total gap bp	33,400	35,100
Scaffolds	86	82
Scaffold N50	57,406,542	57,406,542
Scaffold L50	12	12
Scaffold L90	27	26
Contigs	420	423
Contig N50	7,880,036	7,880,036
Contig L50	74	74
Contig L90	224	224
QV	56.8685	56.8677
Kmer compl.	77.8995	77.8852
BUSCO sing.	96.1%	96.1%
BUSCO dupl.	3.5%	3.5%
BUSCO frag.	0.0%	0.0%
BUSCO miss.	0.4%	0.4%

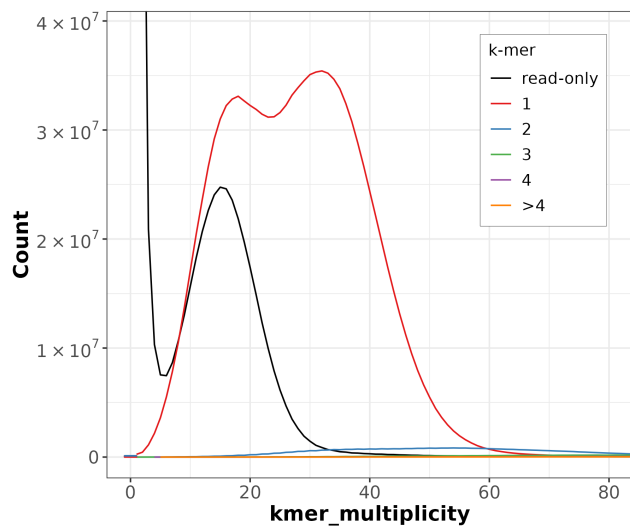
BUSCO 5.4.3 Lineage: eukaryota_odb10 (genomes:70, BUSCOs:255)

HiC contact map of curated assembly

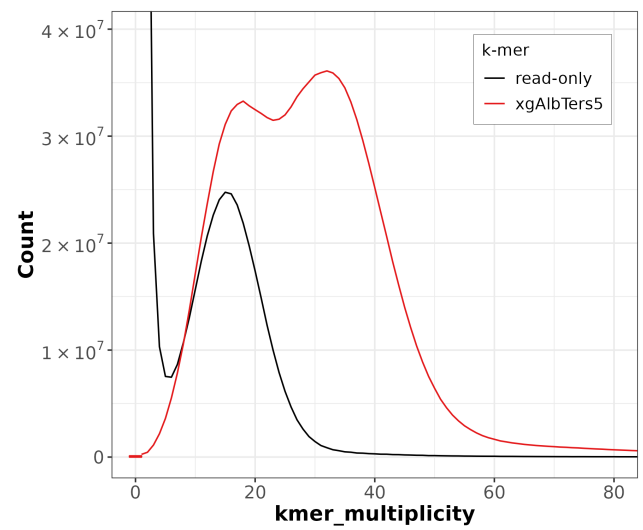


collapsed [\[LINK\]](#)

K-mer spectra of curated assembly

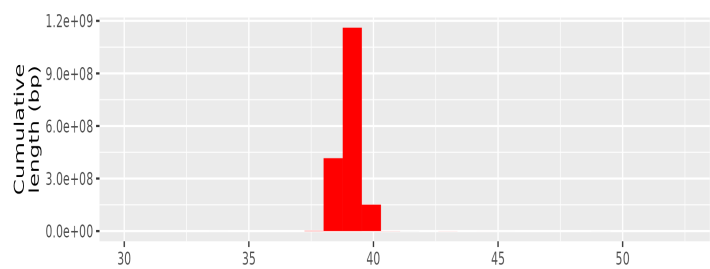


Distribution of k-mer counts per copy numbers found in asm

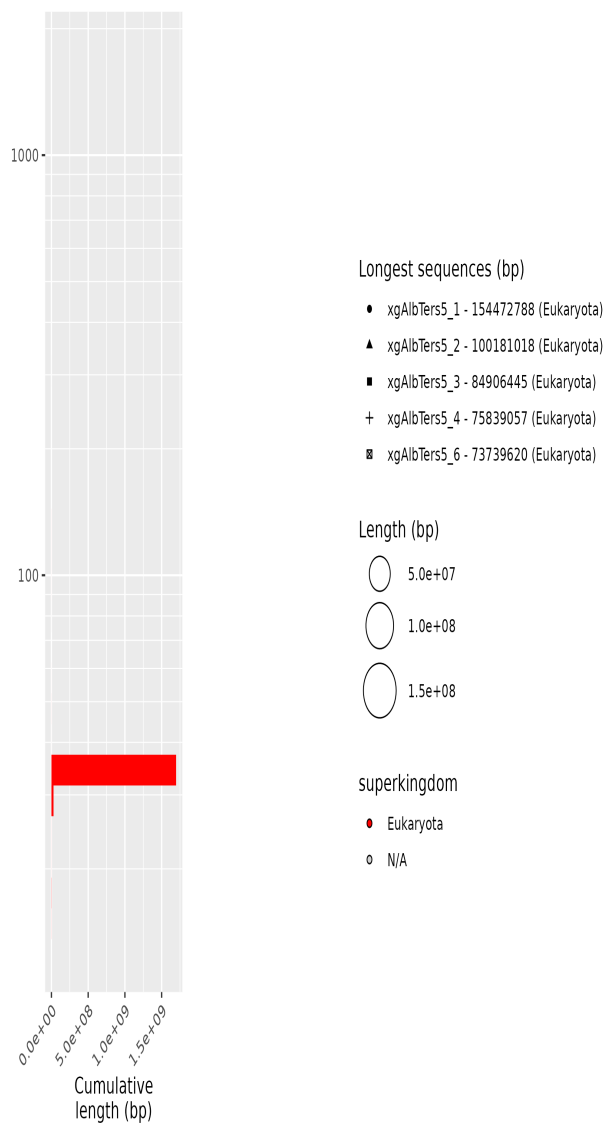
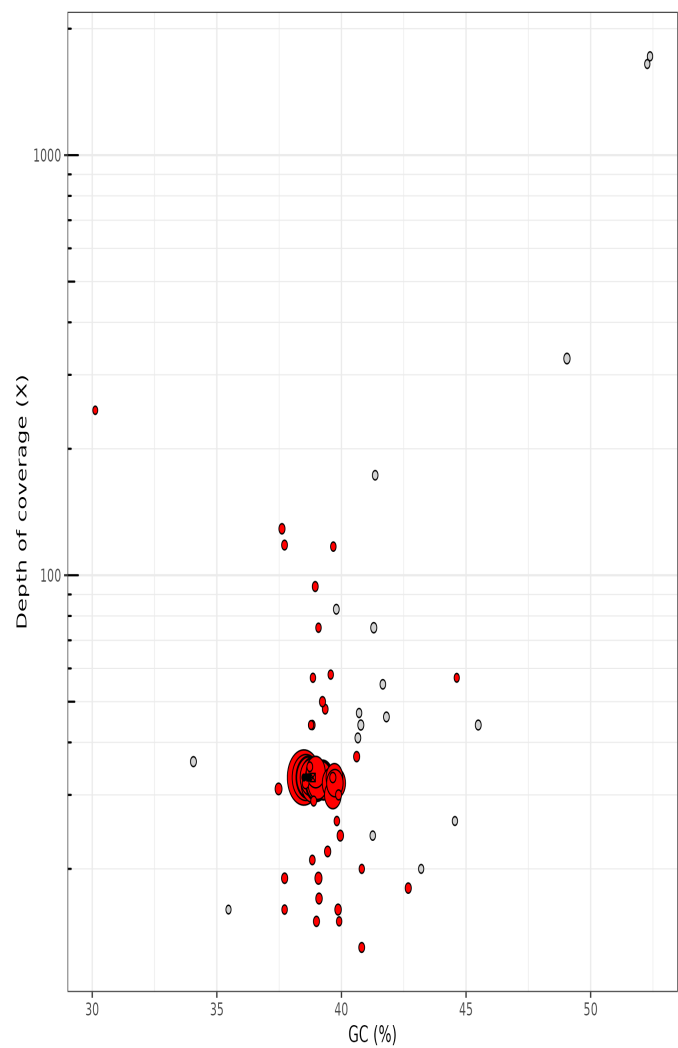


Distribution of k-mer counts coloured by their presence in reads/assemblies

Post-curation contamination screening



TAPAs summary Graph



collapsed. Bubble plot circles are scaled by sequence length, positioned by coverage and GC proportion, and coloured by taxonomy. Histograms show total assembly length distribution on each axis.

Data profile

Data	PACBIO Hifi	Arima (4-enz)
Coverage	36	33

Assembly pipeline

- **Hifiasm**
 - |_ *ver*: 0.19.5-r593
 - |_ *key param*: NA
- **purge_dups**
 - |_ *ver*: 1.2.5
 - |_ *key param*: NA

Curation pipeline

- **Hifiasm**
 - |_ *ver*: 0.19.5-r593
 - |_ *key param*: NA
- **purge_dups**
 - |_ *ver*: 1.2.5
 - |_ *key param*: NA
- **yahs**
 - |_ *ver*: 1.2
 - |_ *key param*: NA

Submitter: Lola Demirdjian

Affiliation: Genoscope

Date and time: 2024-07-25 15:02:42 CEST