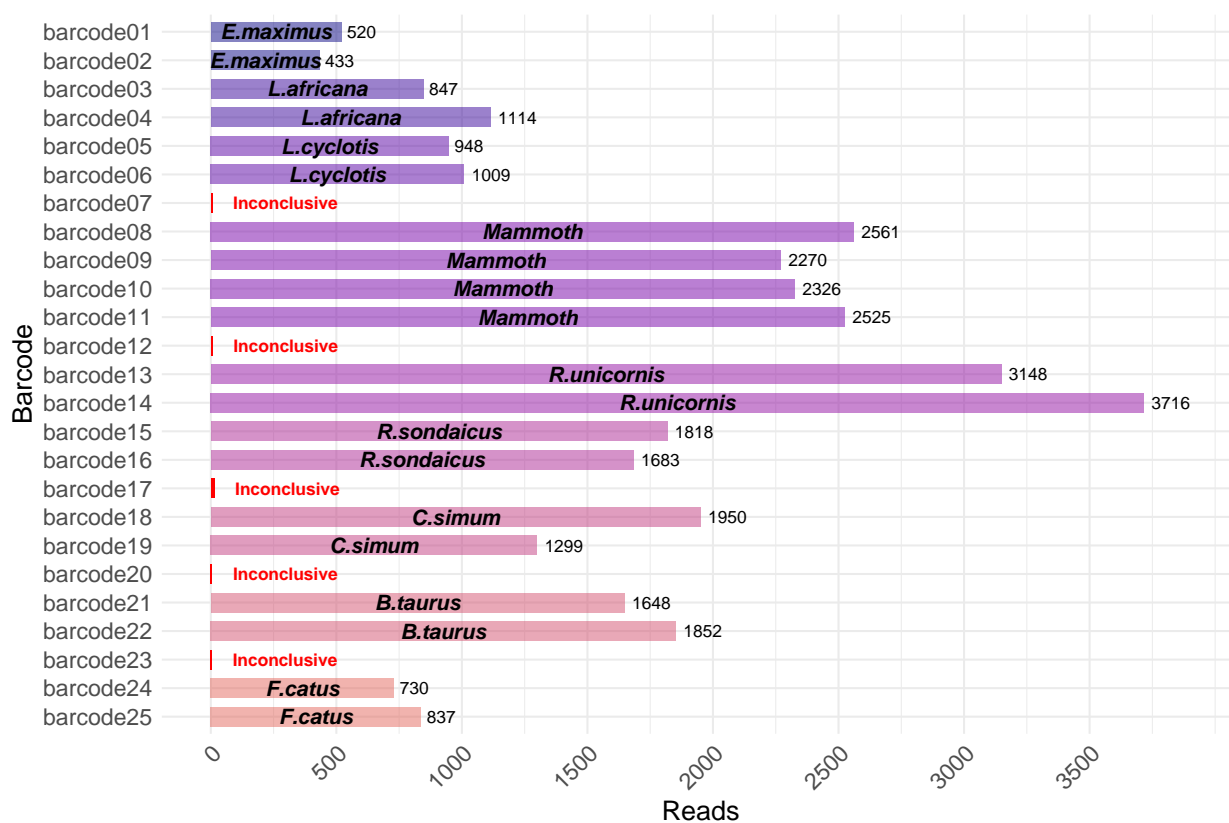


Date: 03 July 2025

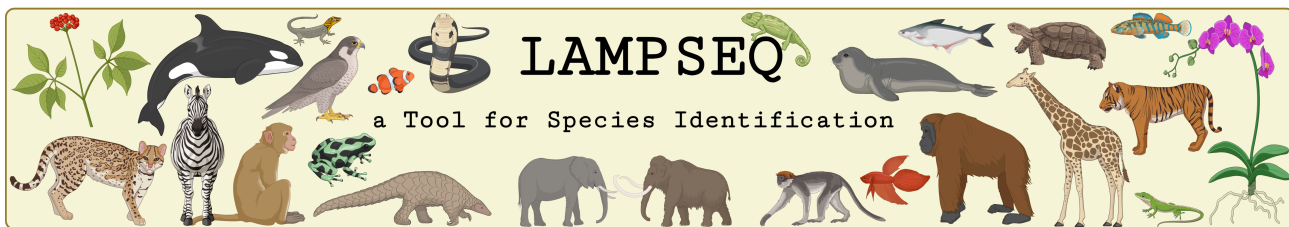
Samples Analysed: test_data

LAMPSEQ Version: 1.1

LAMPSEQ Overview



Alert: CITES species detected in barcode01, barcode02, barcode03, barcode04, barcode05, barcode06, barcode13, barcode14, barcode15, barcode16, barcode18, barcode19

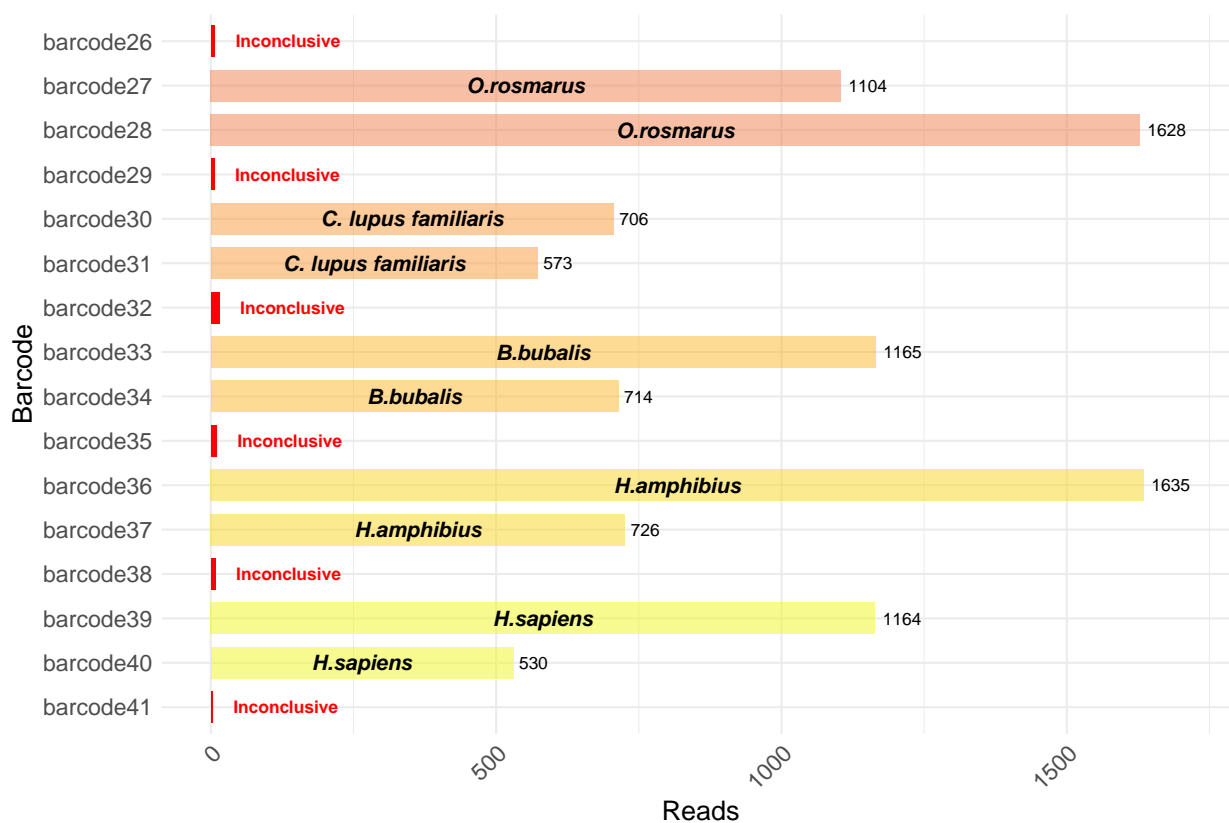


Date: 03 July 2025

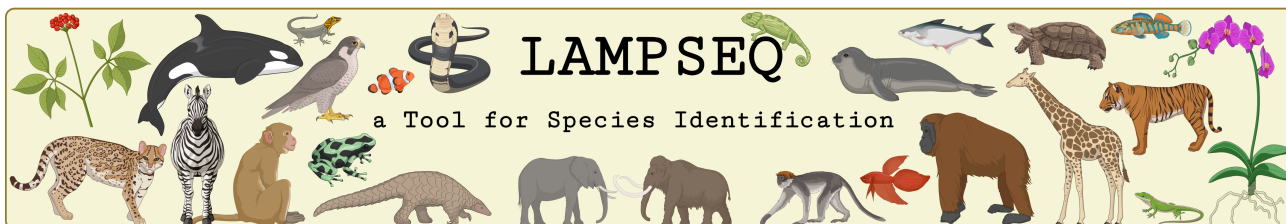
Samples Analysed: test_data

LAMPSEQ Version: 1.1

LAMPSEQ Overview



Alert: CITES species detected in barcode27, barcode28, barcode36, barcode37

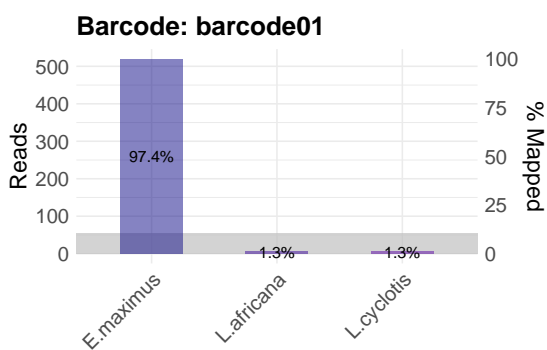


Date: 03 July 2025

Samples Analysed: test_data

LAMPSEQ Version: 1.1

LAMPSEQ Per-Sample Summary

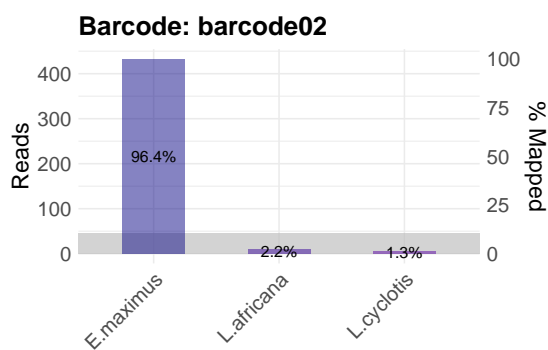


Aligned Species

LAMPSEQ-ID: Asian elephant

E.maximus

CITES Appendix I

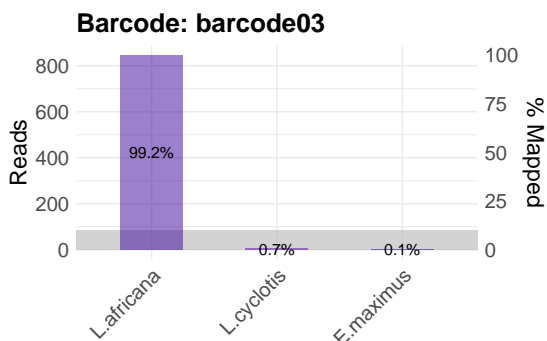


Aligned Species

LAMPSEQ-ID: Asian elephant

E.maximus

CITES Appendix I

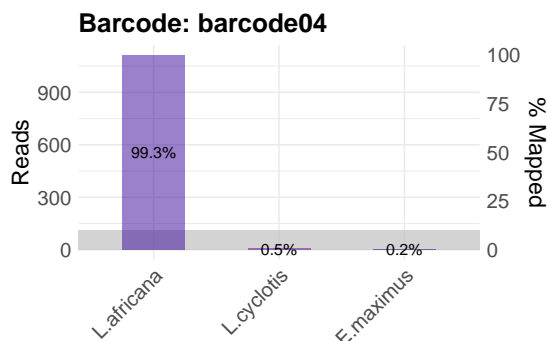


Aligned Species

LAMPSEQ-ID: African savannah elephant

L.africana

CITES Appendix I

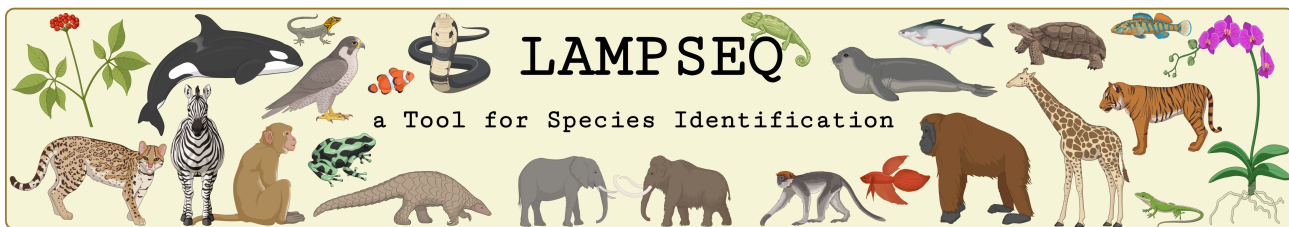


Aligned Species

LAMPSEQ-ID: African savannah elephant

L.africana

CITES Appendix I

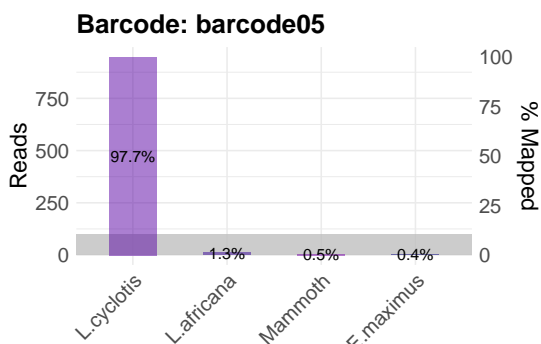


Date: 03 July 2025

Samples Analysed: test_data

LAMPSEQ Version: 1.1

LAMPSEQ Per-Sample Summary

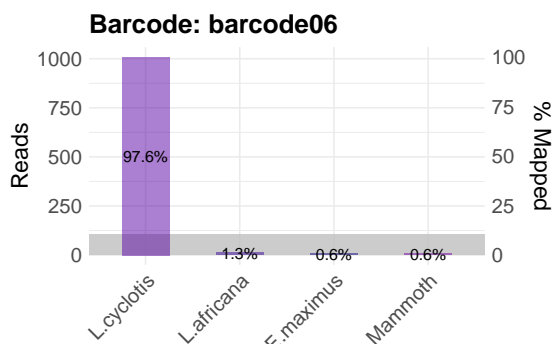


Aligned Species

LAMPSEQ-ID: African forest elephant

L.cyclotis

CITES Appendix I

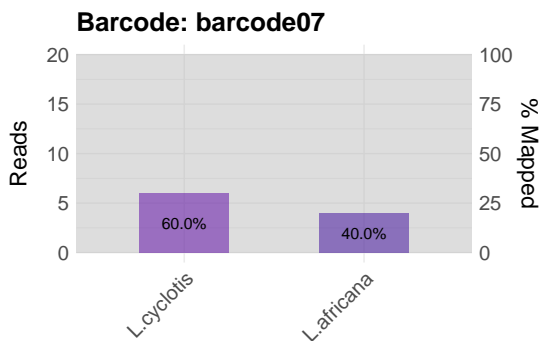


Aligned Species

LAMPSEQ-ID: African forest elephant

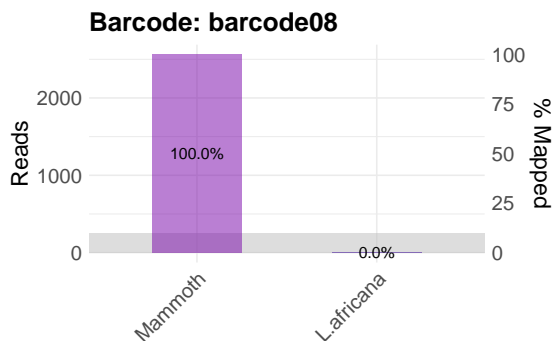
L.cyclotis

CITES Appendix I



Aligned Species

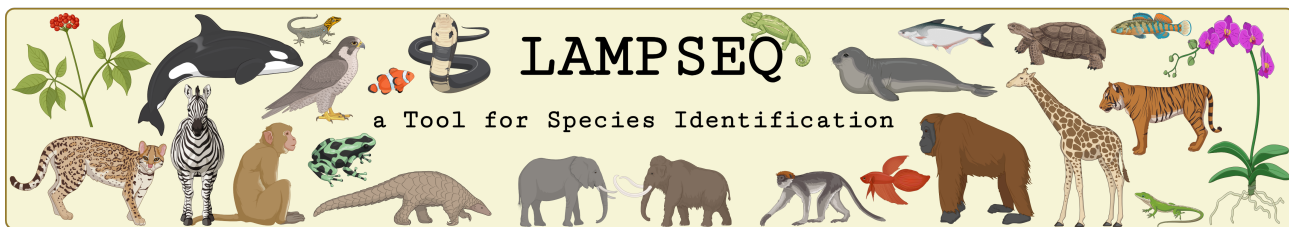
LAMPSEQ-ID: Inconclusive



Aligned Species

LAMPSEQ-ID: Mammoth

Mammoth

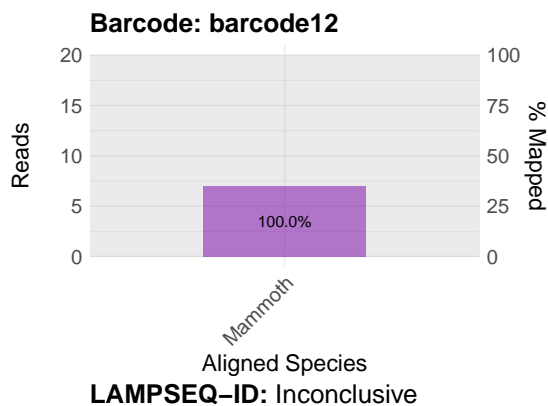
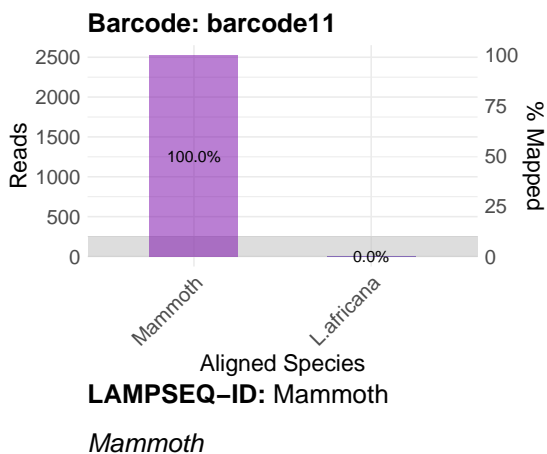
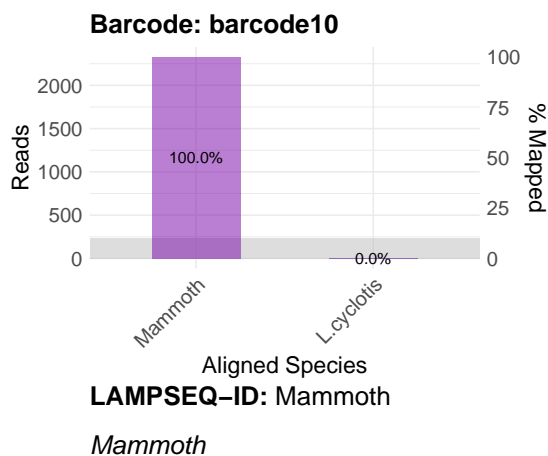
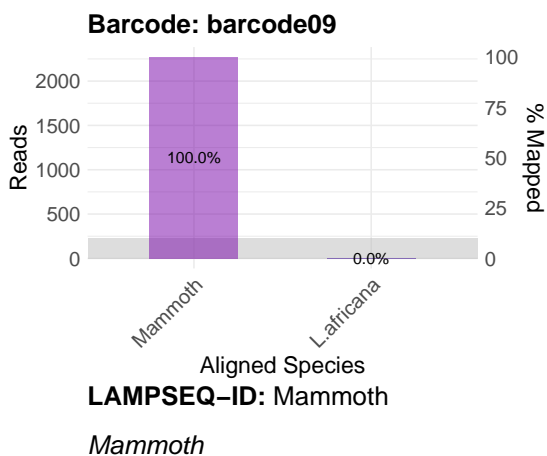


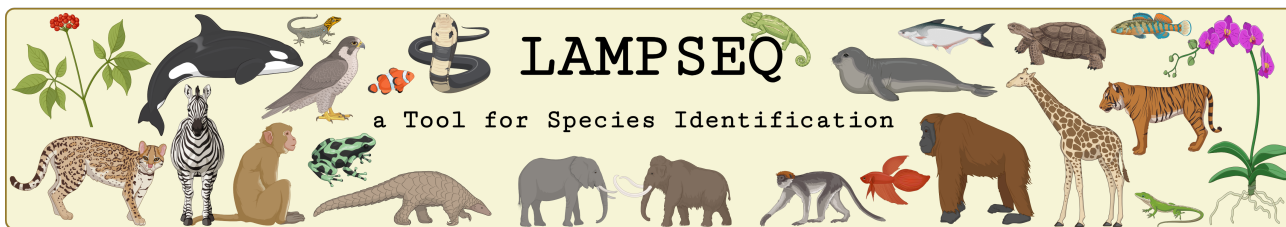
Date: 03 July 2025

Samples Analysed: test_data

LAMPSEQ Version: 1.1

LAMPSEQ Per-Sample Summary



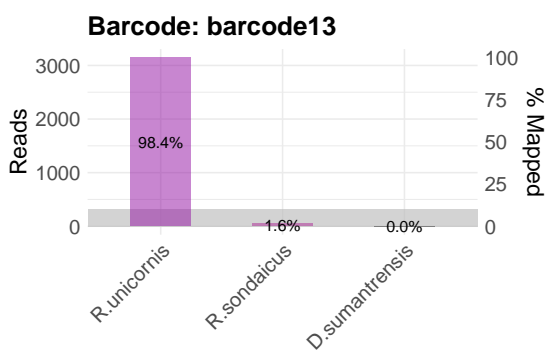


Date: 03 July 2025

Samples Analysed: test_data

LAMPSEQ Version: 1.1

LAMPSEQ Per-Sample Summary

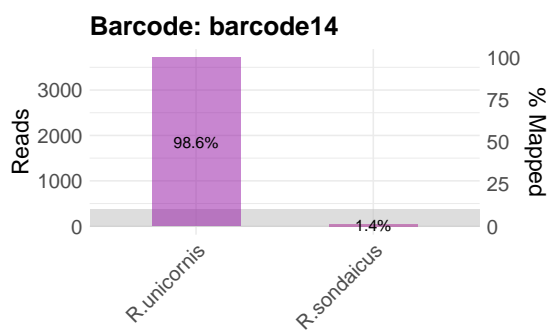


Aligned Species

LAMPSEQ-ID: Great Indian rhinoceros

R.unicornis

CITES Appendix I

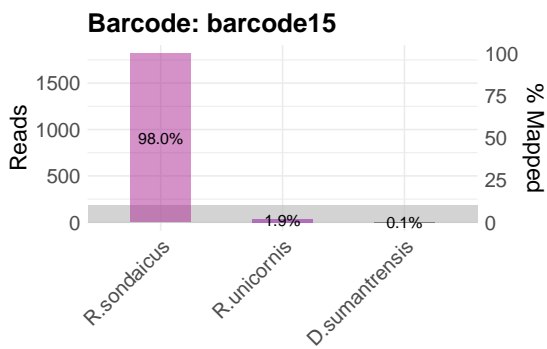


Aligned Species

LAMPSEQ-ID: Great Indian rhinoceros

R.unicornis

CITES Appendix I

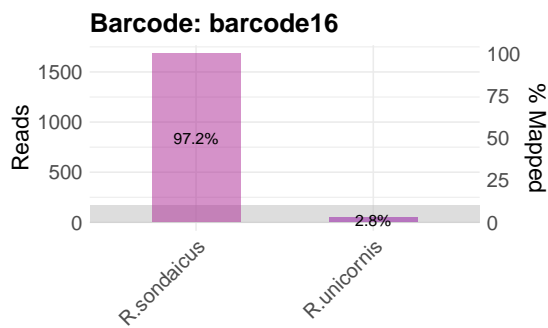


Aligned Species

LAMPSEQ-ID: Javan rhinoceros

R.sondaicus

CITES Appendix I

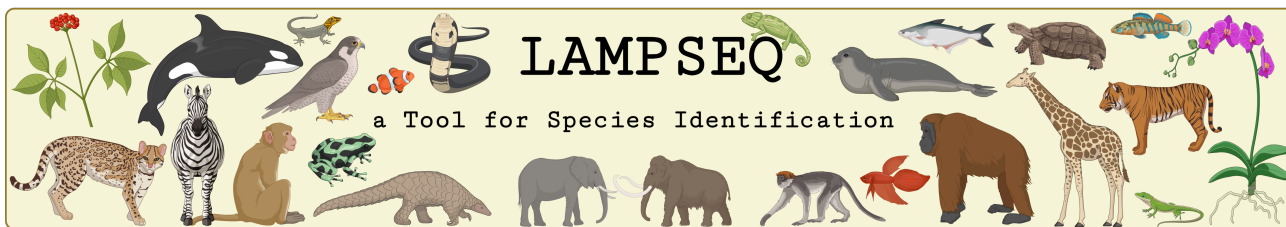


Aligned Species

LAMPSEQ-ID: Javan rhinoceros

R.sondaicus

CITES Appendix I

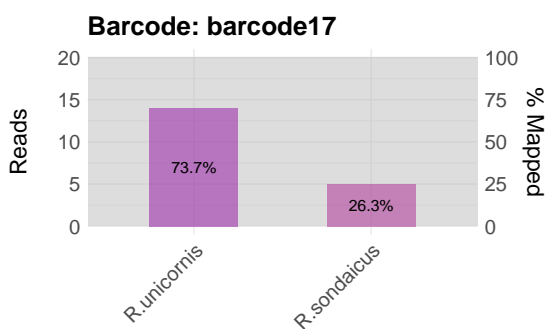


Date: 03 July 2025

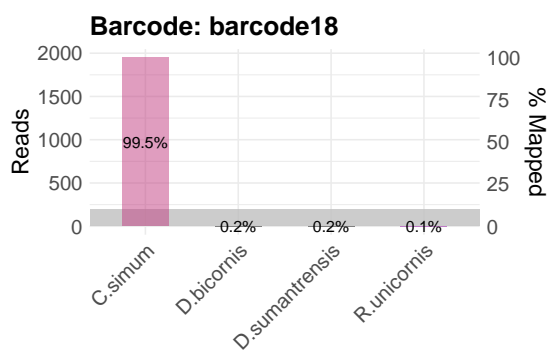
Samples Analysed: test_data

LAMPSEQ Version: 1.1

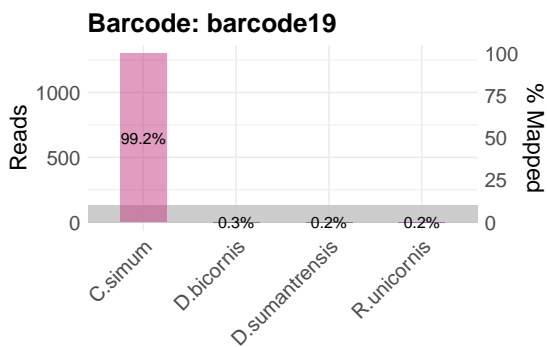
LAMPSEQ Per-Sample Summary



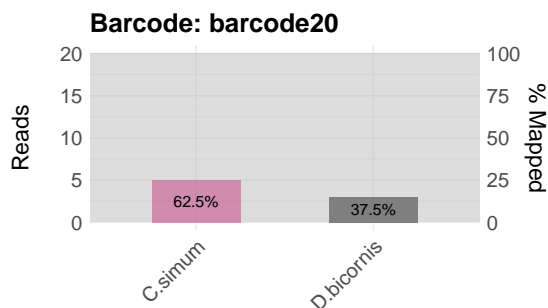
Aligned Species
LAMPSEQ-ID: Inconclusive



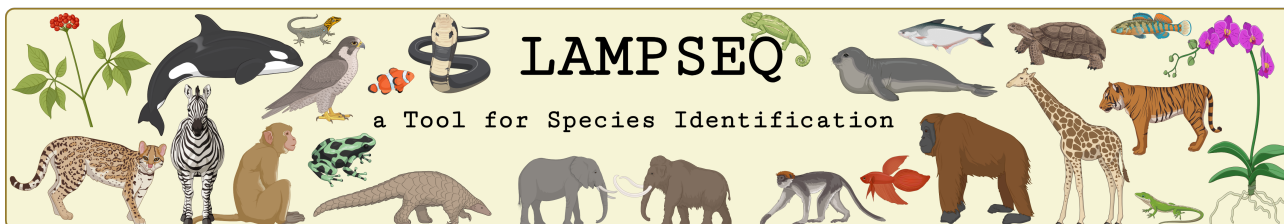
Aligned Species
LAMPSEQ-ID: White rhinoceros
C.simum
CITES Appendix I



Aligned Species
LAMPSEQ-ID: White rhinoceros
C.simum
CITES Appendix I



Aligned Species
LAMPSEQ-ID: Inconclusive

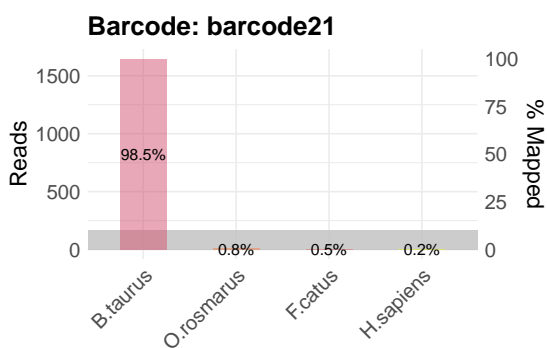


Date: 03 July 2025

Samples Analysed: test_data

LAMPSEQ Version: 1.1

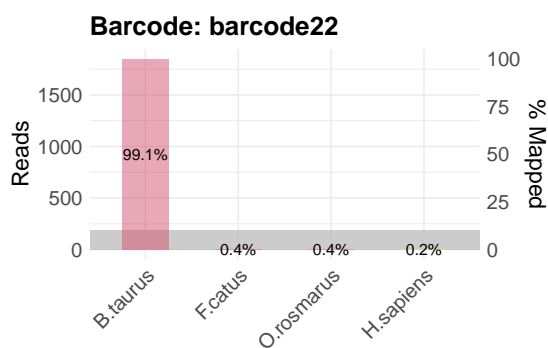
LAMPSEQ Per-Sample Summary



Aligned Species

LAMPSEQ-ID: Cow

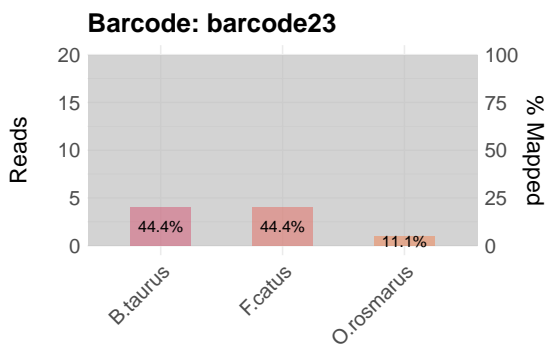
B.taurus



Aligned Species

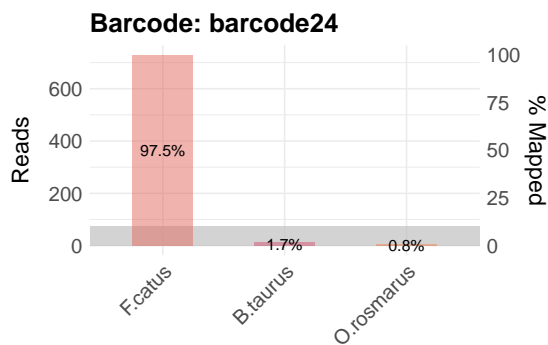
LAMPSEQ-ID: Cow

B.taurus



Aligned Species

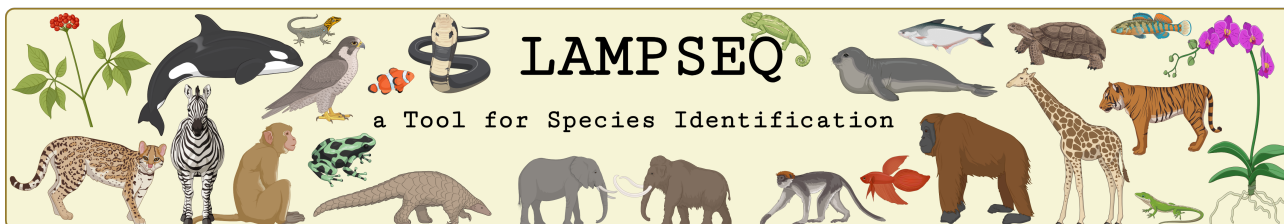
LAMPSEQ-ID: Inconclusive



Aligned Species

LAMPSEQ-ID: Cat

F.catus

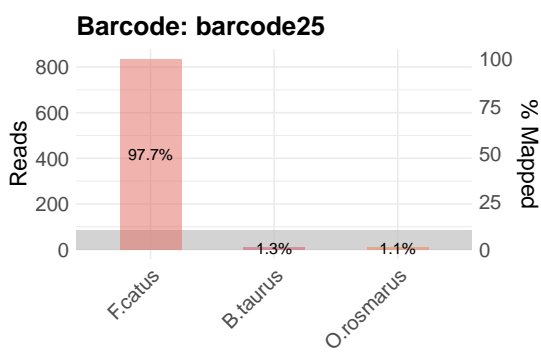


Date: 03 July 2025

Samples Analysed: test_data

LAMPSEQ Version: 1.1

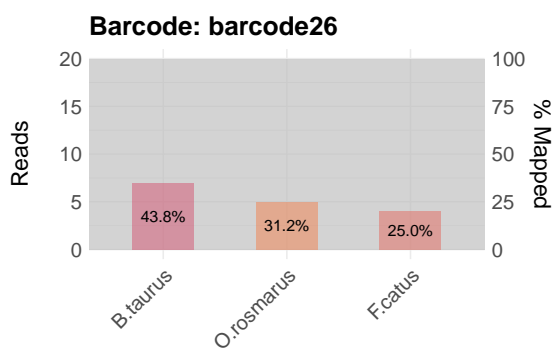
LAMPSEQ Per-Sample Summary



Aligned Species

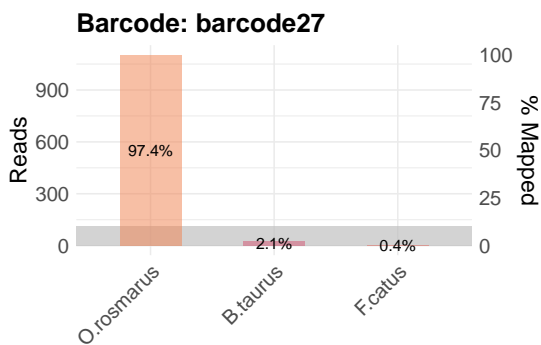
LAMPSEQ-ID: Cat

F.catus



Aligned Species

LAMPSEQ-ID: Inconclusive

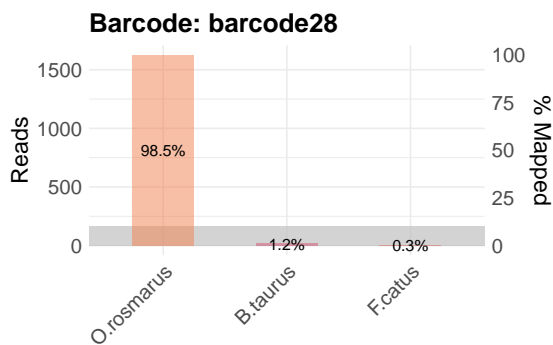


Aligned Species

LAMPSEQ-ID: Walrus

O.rosmarus

CITES Appendix III

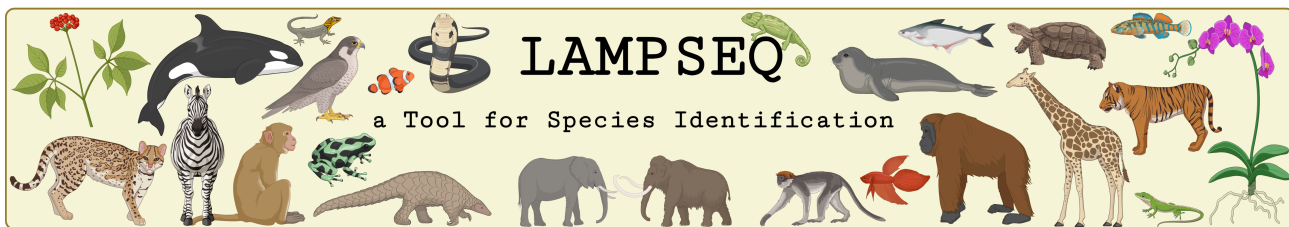


Aligned Species

LAMPSEQ-ID: Walrus

O.rosmarus

CITES Appendix III

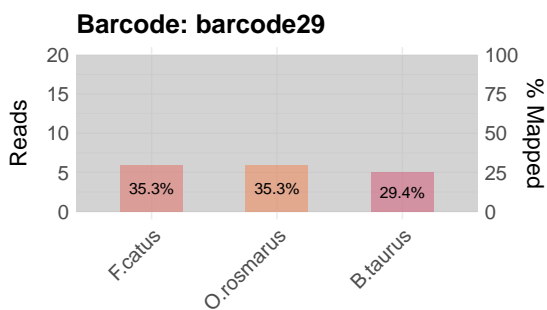


Date: 03 July 2025

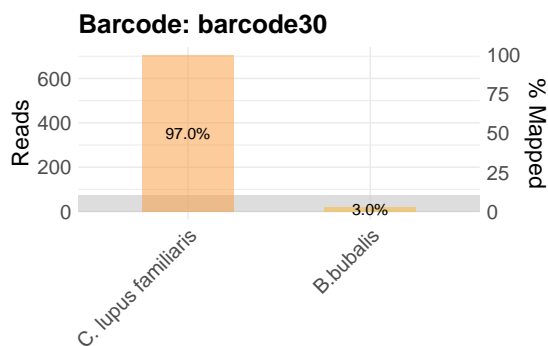
Samples Analysed: test_data

LAMPSEQ Version: 1.1

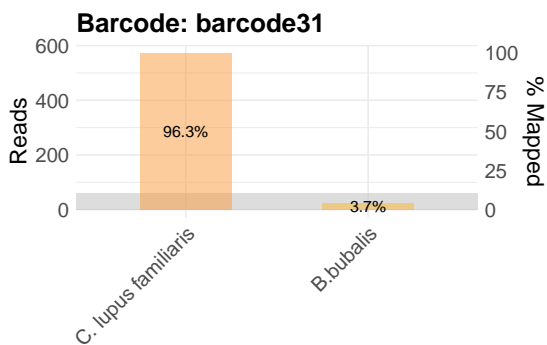
LAMPSEQ Per-Sample Summary



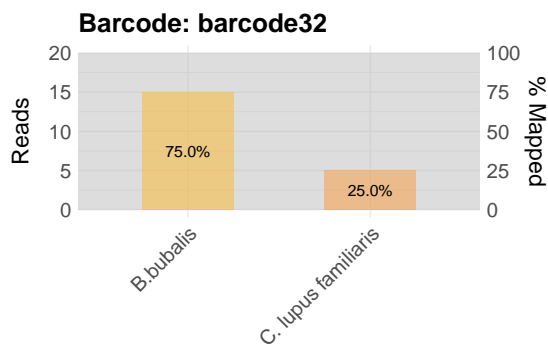
Aligned Species
LAMPSEQ-ID: Inconclusive



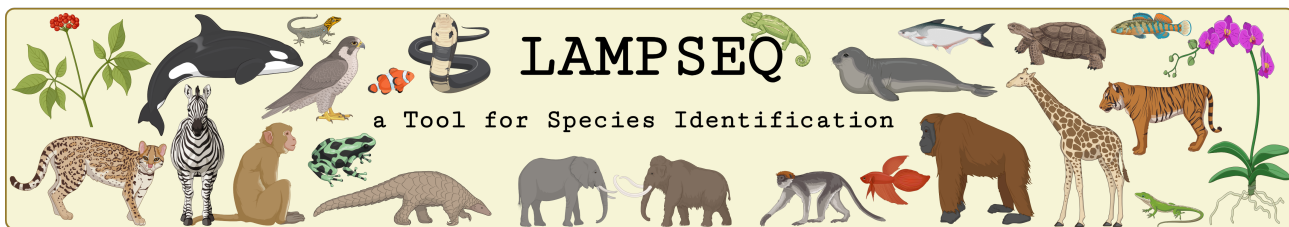
Aligned Species
LAMPSEQ-ID: Dog
C. lupus familiaris



Aligned Species
LAMPSEQ-ID: Dog
C. lupus familiaris



Aligned Species
LAMPSEQ-ID: Inconclusive

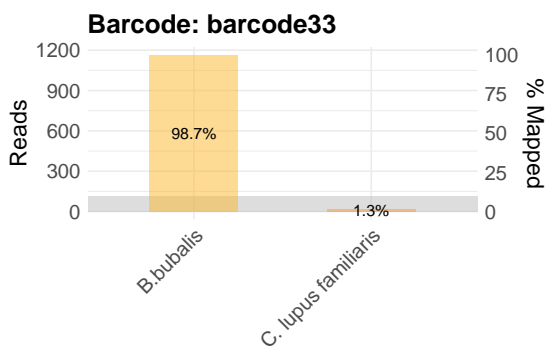


Date: 03 July 2025

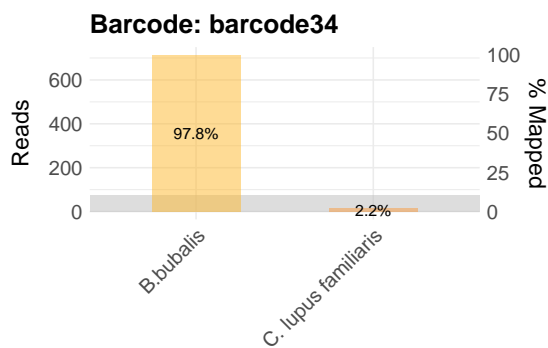
Samples Analysed: test_data

LAMPSEQ Version: 1.1

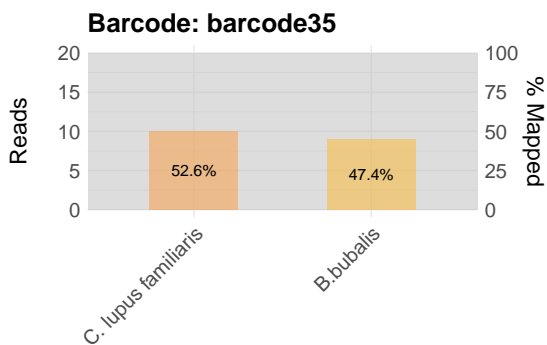
LAMPSEQ Per-Sample Summary



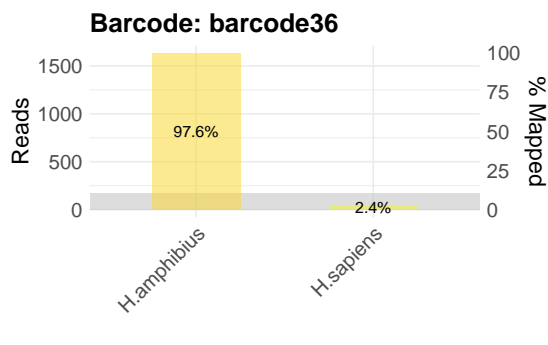
Aligned Species
LAMPSEQ-ID: Water Buffalo
B.bubalis



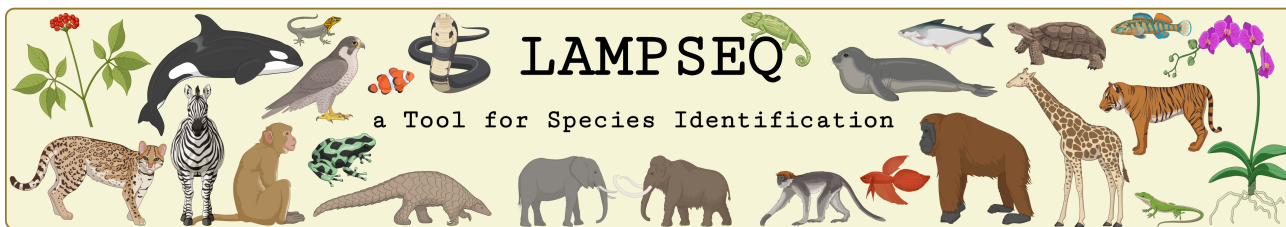
Aligned Species
LAMPSEQ-ID: Water Buffalo
B.bubalis



Aligned Species
LAMPSEQ-ID: Inconclusive



Aligned Species
LAMPSEQ-ID: Hippopotamus
H.amphibius
CITES Appendix II

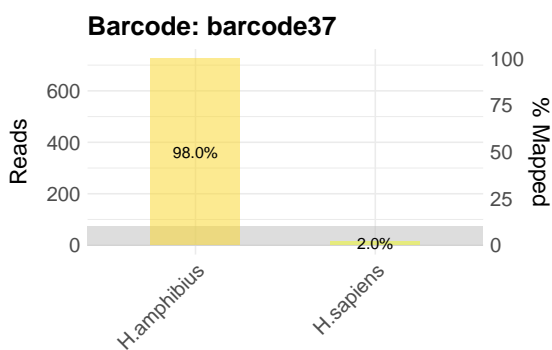


Date: 03 July 2025

Samples Analysed: test_data

LAMPSEQ Version: 1.1

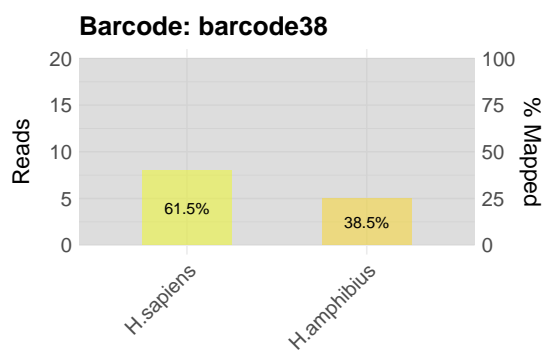
LAMPSEQ Per-Sample Summary



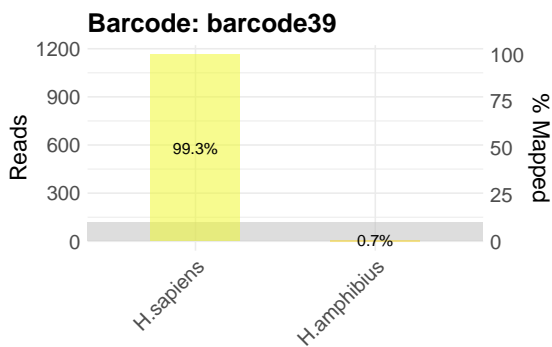
Aligned Species
LAMPSEQ-ID: Hippopotamus

H.amphibius

CITES Appendix II

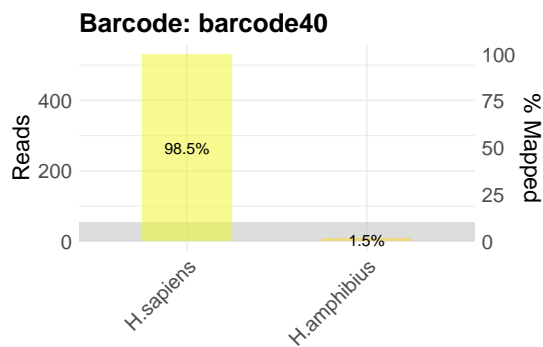


Aligned Species
LAMPSEQ-ID: Inconclusive



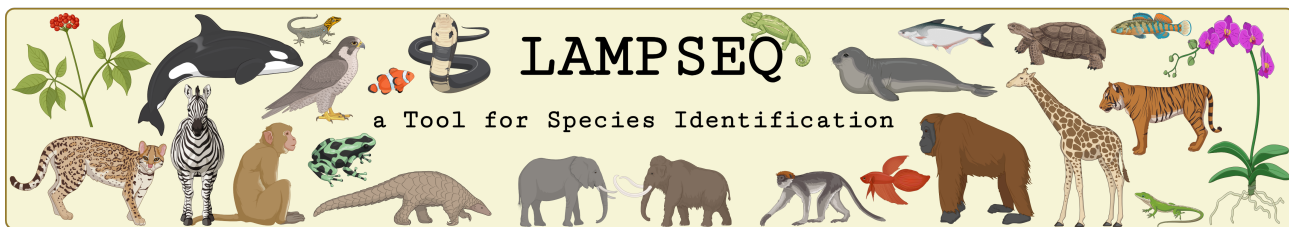
Aligned Species
LAMPSEQ-ID: Human

H.sapiens



Aligned Species
LAMPSEQ-ID: Human

H.sapiens

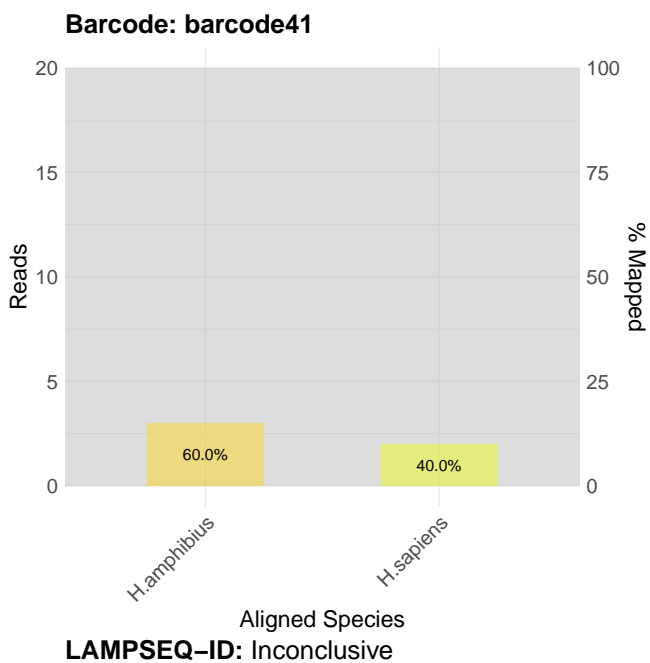


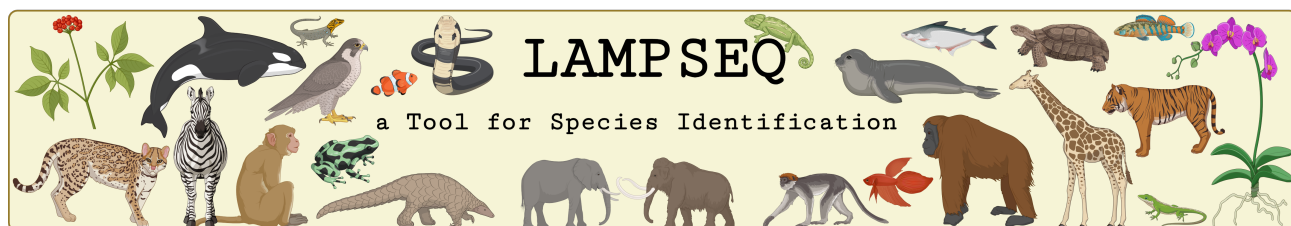
Date: 03 July 2025

Samples Analysed: test_data

LAMPSEQ Version: 1.1

LAMPSEQ Per-Sample Summary





Date: 03 July 2025

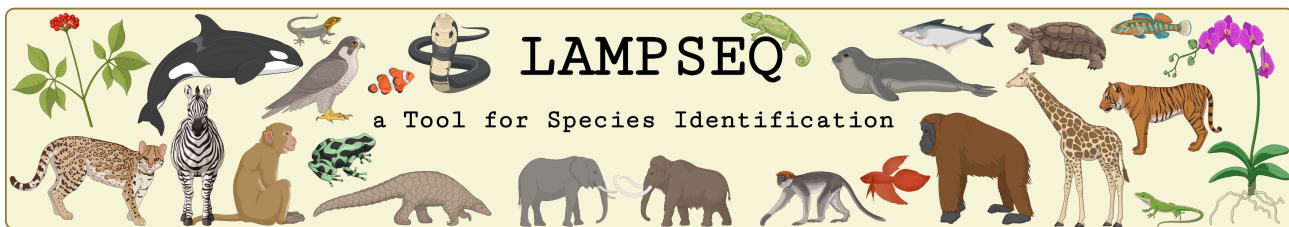
Samples Analysed: test_data

LAMPSEQ Version: 1.1

LAMPSEQ Species Identification

Barcode	Species Group	Common Name	Scientific Name	CITES?	Mapped Reads
barcode01	Elephant	Asian	E.maximus	Yes, App I	97.4%
barcode02	Elephant	Asian	E.maximus	Yes, App I	96.4%
barcode03	Elephant	African savannah	L.africana	Yes, App I	99.2%
barcode04	Elephant	African savannah	L.africana	Yes, App I	99.3%
barcode05	Elephant	African forest	L.cyclotis	Yes, App I	97.7%
barcode06	Elephant	African forest	L.cyclotis	Yes, App I	97.6%
barcode07	Inconclusive	Inconclusive	Inconclusive	No	NA
barcode08	Mammoth	Mammoth	Mammoth	No	100%
barcode09	Mammoth	Mammoth	Mammoth	No	100%
barcode10	Mammoth	Mammoth	Mammoth	No	100%
barcode11	Mammoth	Mammoth	Mammoth	No	100%
barcode12	Inconclusive	Inconclusive	Inconclusive	No	NA
barcode13	Rhinoceros	Great Indian	R.unicornis	Yes, App I	98.4%
barcode14	Rhinoceros	Great Indian	R.unicornis	Yes, App I	98.6%
barcode15	Rhinoceros	Javan	R.sondaicus	Yes, App I	98%
barcode16	Rhinoceros	Javan	R.sondaicus	Yes, App I	97.2%
barcode17	Inconclusive	Inconclusive	Inconclusive	No	NA
barcode18	Rhinoceros	White	C.simum	Yes, App I	99.5%
barcode19	Rhinoceros	White	C.simum	Yes, App I	99.2%
barcode20	Inconclusive	Inconclusive	Inconclusive	No	NA
barcode21	Cow	Cow	B.taurus	No	98.5%
barcode22	Cow	Cow	B.taurus	No	99.1%
barcode23	Inconclusive	Inconclusive	Inconclusive	No	NA

Barcode	Species Group	Common Name	Scientific Name	CITES?	Mapped Reads
barcode24	Cat	Cat	F.catus	No	97.5%
barcode25	Cat	Cat	F.catus	No	97.7%
barcode26	Inconclusive	Inconclusive	Inconclusive	No	NA
barcode27	Walrus	Walrus	O.rosmarus	Yes, App III	97.4%
barcode28	Walrus	Walrus	O.rosmarus	Yes, App III	98.5%
barcode29	Inconclusive	Inconclusive	Inconclusive	No	NA
barcode30	Dog	Dog	C. lupus familiaris	No	97%
barcode31	Dog	Dog	C. lupus familiaris	No	96.3%
barcode32	Inconclusive	Inconclusive	Inconclusive	No	NA
barcode33	Buffalo	Water Buffalo	B.bubalis	No	98.7%
barcode34	Buffalo	Water Buffalo	B.bubalis	No	97.8%
barcode35	Inconclusive	Inconclusive	Inconclusive	No	NA
barcode36	Hippo	Hippopotamus	H.amphibius	Yes, App II	97.6%
barcode37	Hippo	Hippopotamus	H.amphibius	Yes, App II	98%
barcode38	Inconclusive	Inconclusive	Inconclusive	No	NA
barcode39	Human	Human	H.sapiens	No	99.3%
barcode40	Human	Human	H.sapiens	No	98.5%
barcode41	Inconclusive	Inconclusive	Inconclusive	No	NA



Date: 03 July 2025

Samples Analysed: test_data

LAMPSEQ Version: 1.1

LAMPSEQ Dependencies

Python	R
Python 3.13, Biopython 1.85 MultiQC 1.28, FastQC 0.12.1 Bowtie2 2.5.4, Samtools 1.21	R Base 4.4.3, Tidyverse 2.0.0 dplyr 1.1.4, Rsamtools 2.22.0 here 1.0.1, rmarkdown 2.29 viridis 0.6.2, knitr 1.43 forcats 1.0.0, flextable 0.7.5 readr 2.1.4, ggplot2 3.4.3 scales 1.2.1, tibble 3.2.1 stringr 1.5.0, officer 0.4.14 patchwork 1.1.2, ggtext 0.1.3
Banner created with Biorender (https://biorender.com/)	