

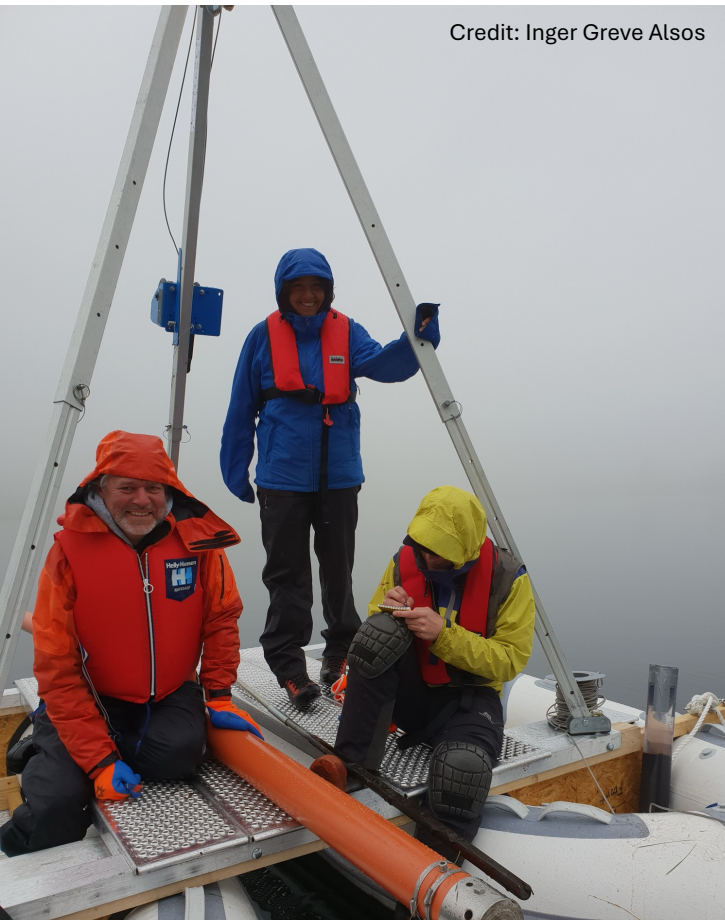


Credit: Inger Greve Alsos

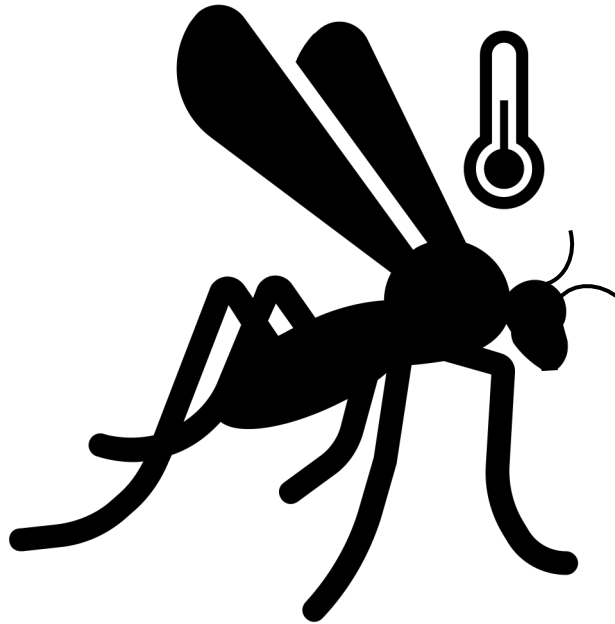
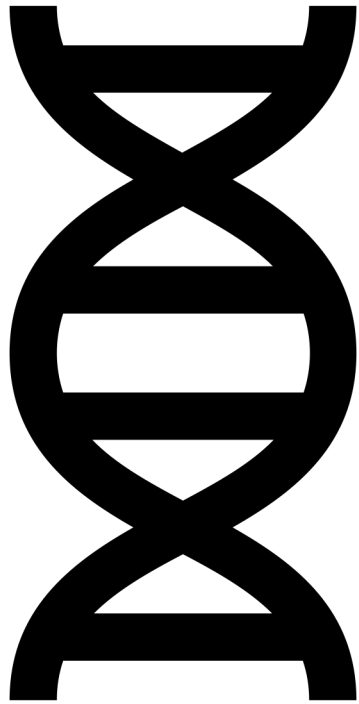
SedaDNA shows that transhumance of domestic herbivores has enhanced plant diversity over the Holocene in the Eastern European Alps

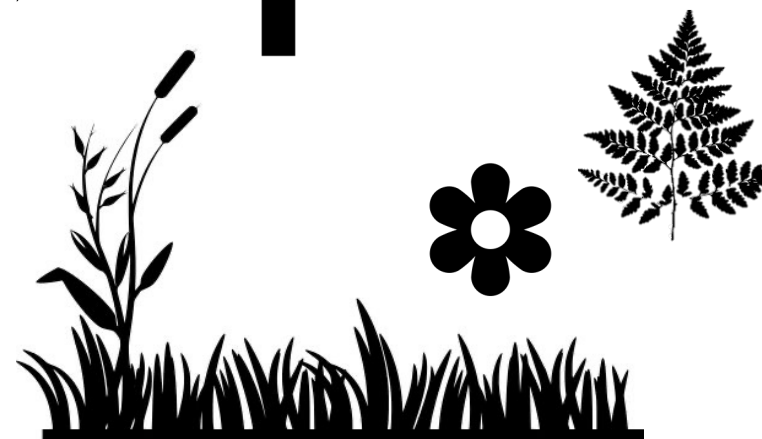
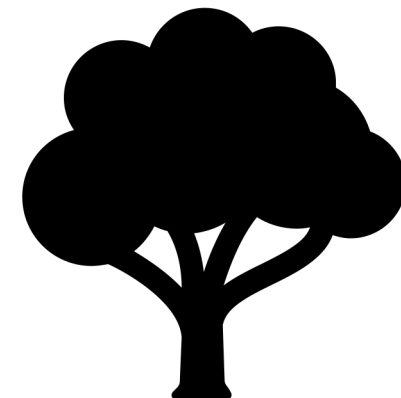
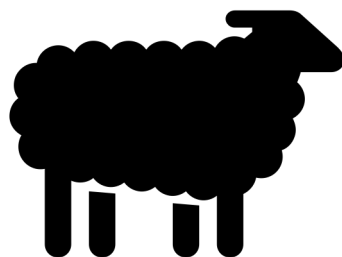
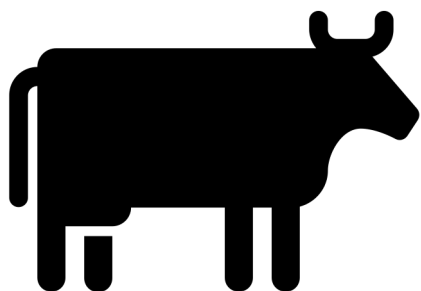
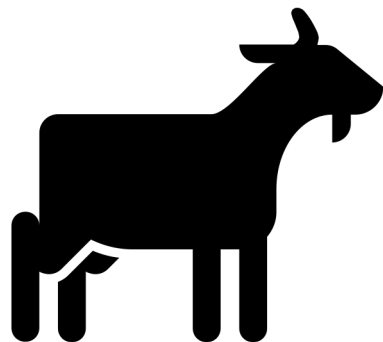
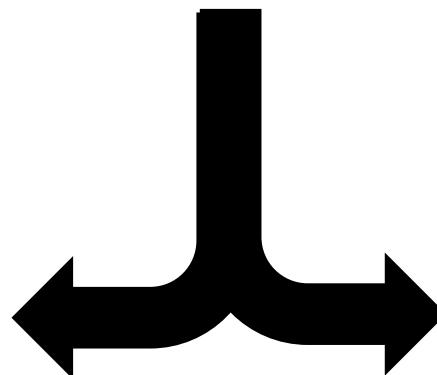
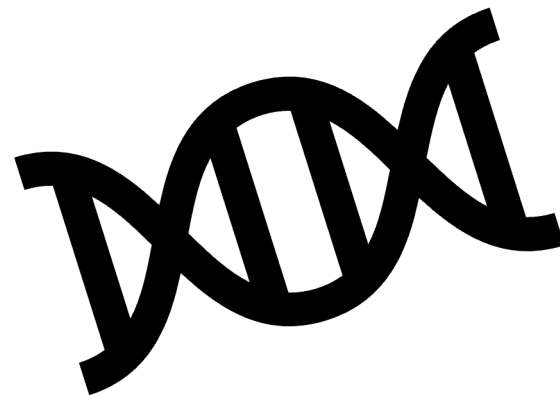
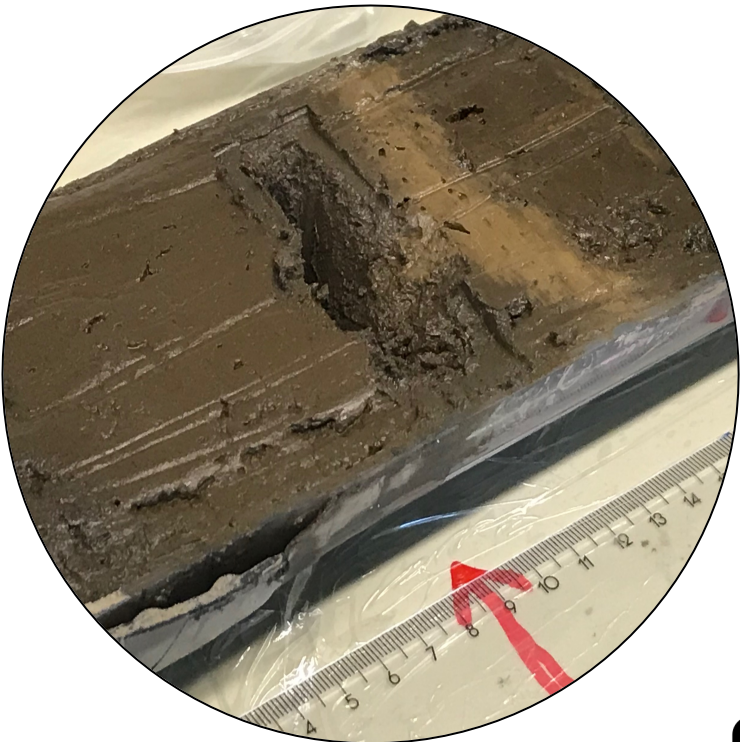
Scarlett Zetter, Sandra Garcés Pastor, Youri Lammers, Antony G. Brown, Sébastien Lavergne, Éric Coissac, PhyloAlps Consortium, Andreas Tribsch, Peter D. Heintzman & Inger G. Alsos

Sedimentary ancient DNA (*sedaDNA*)

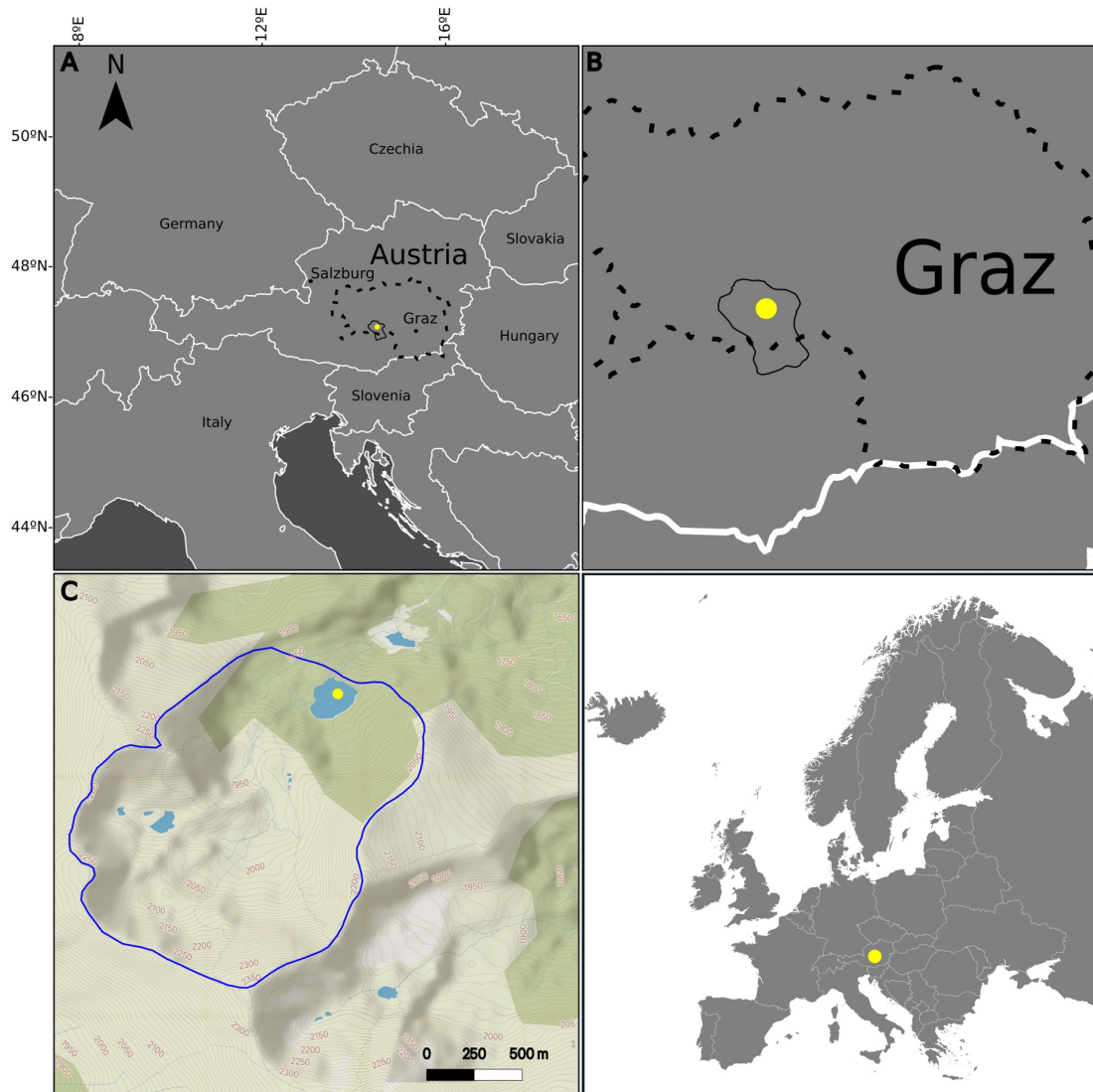


Proxies

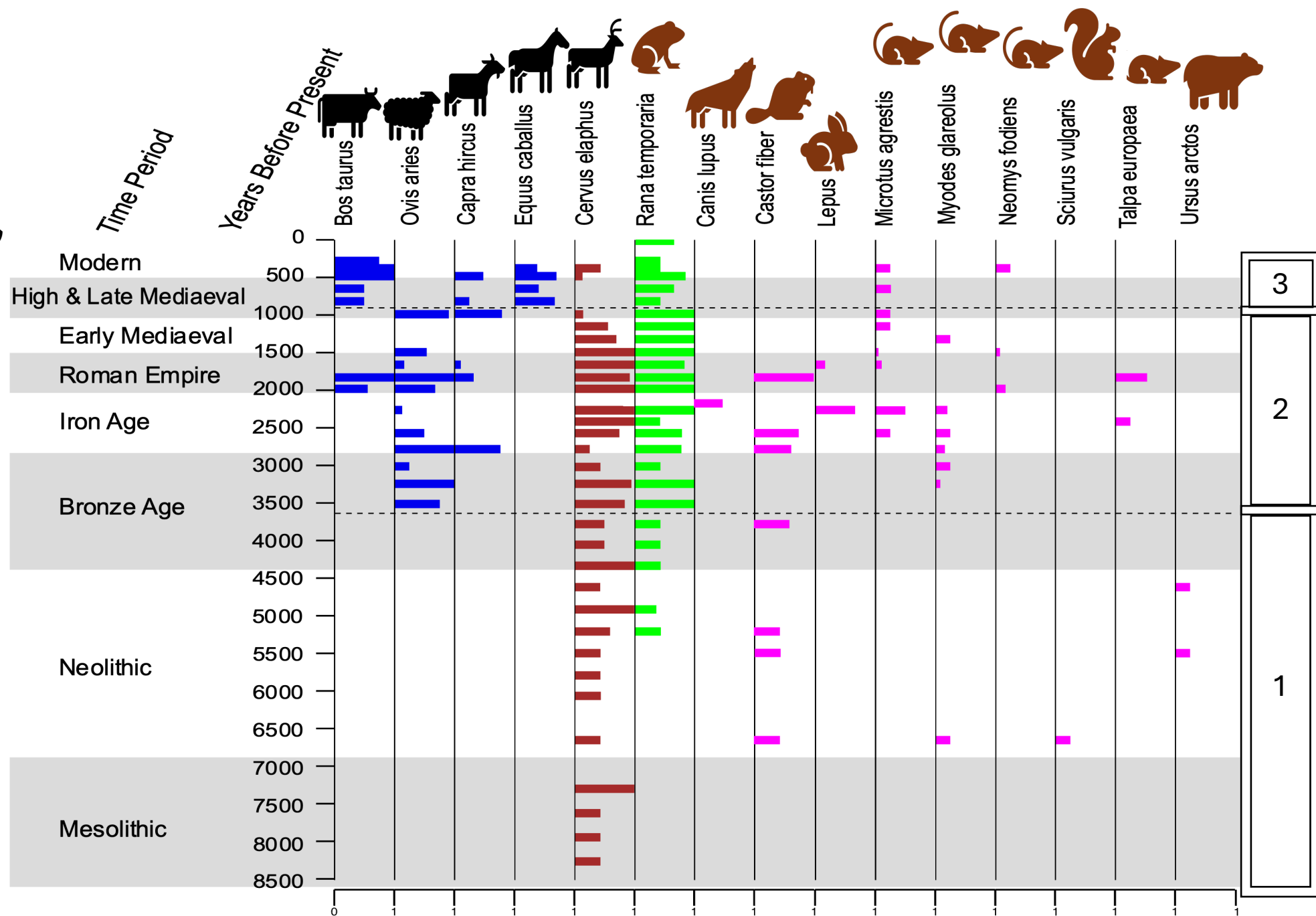


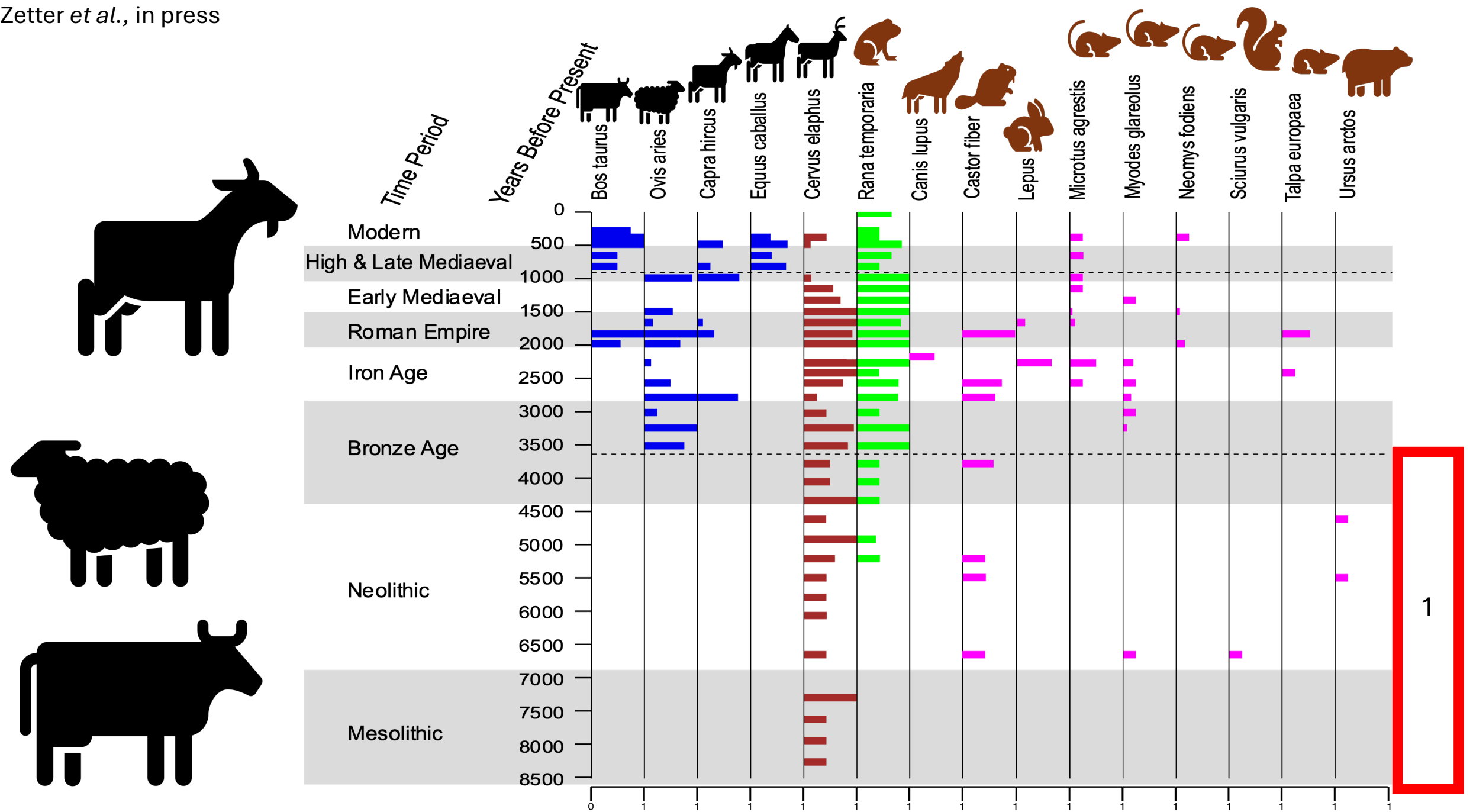


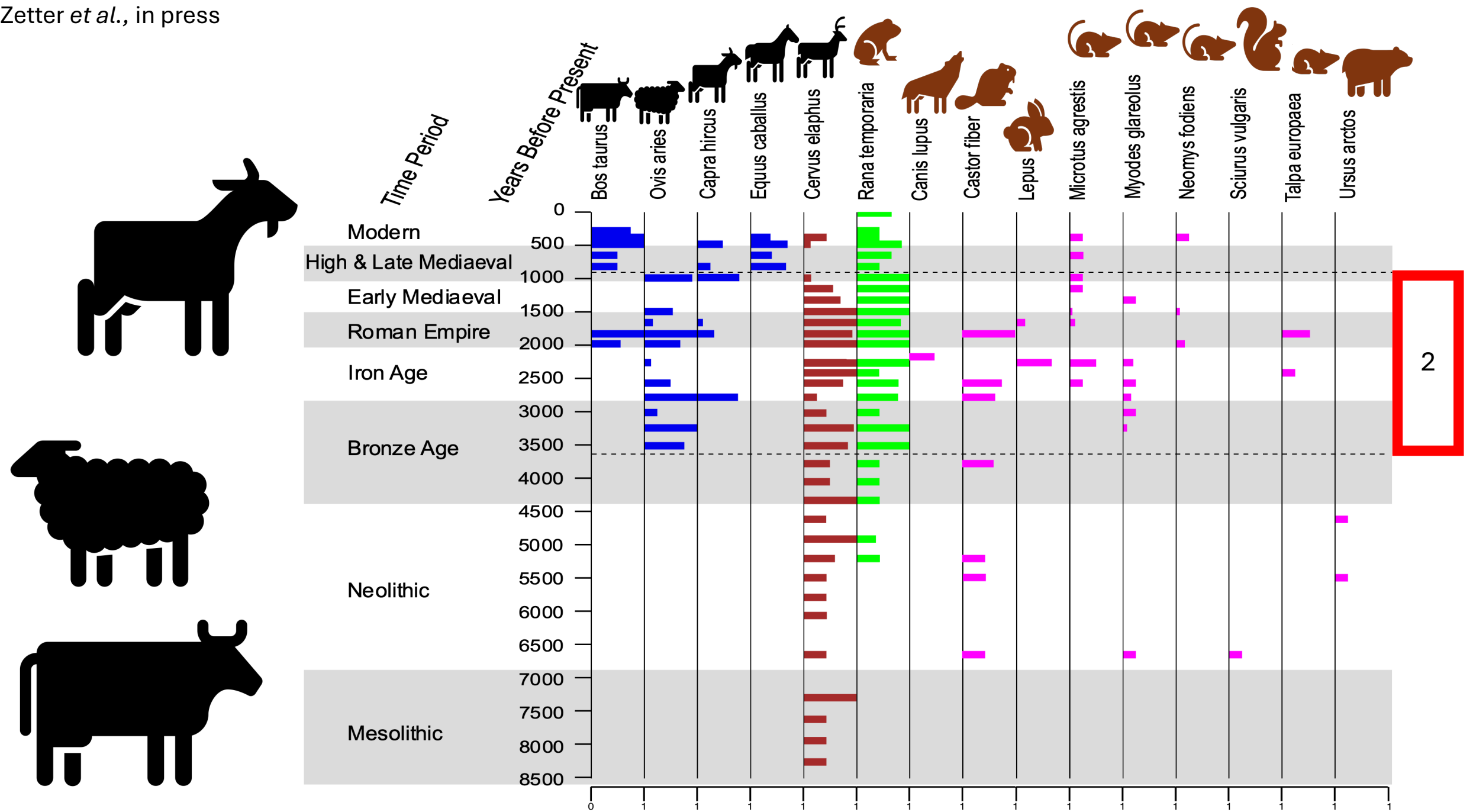
Großer Winterleitensee

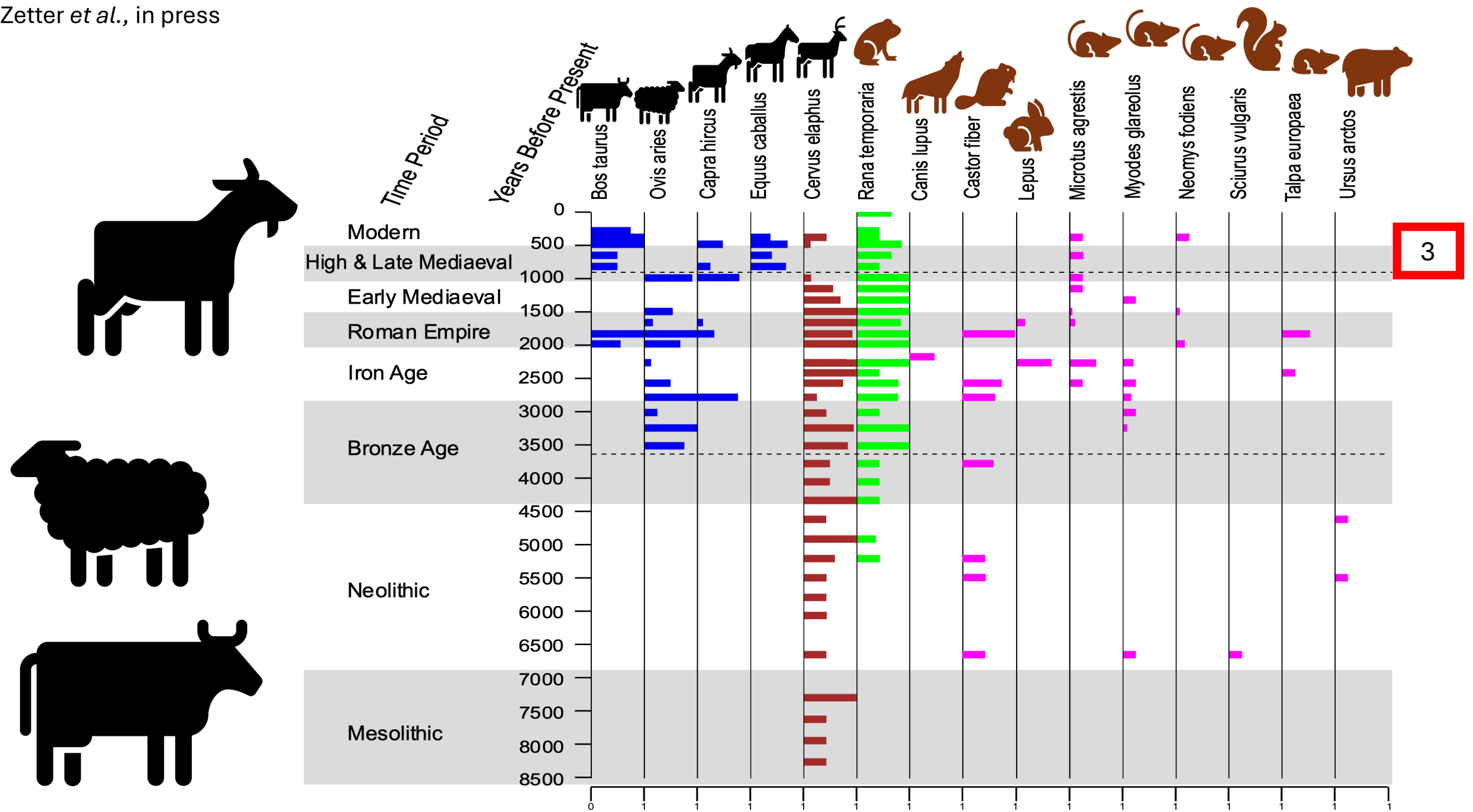


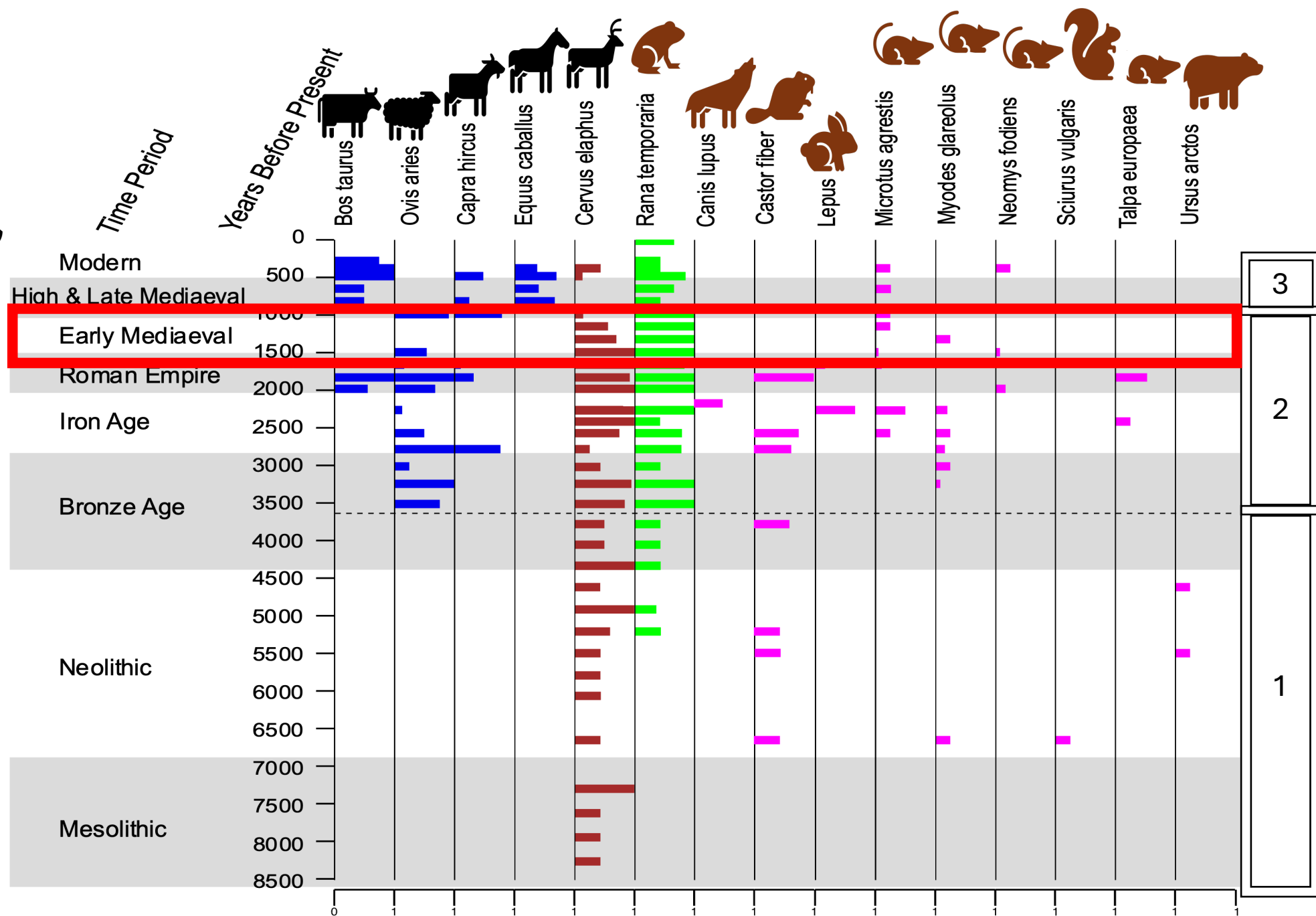
Credit: Inger Greve Alsos

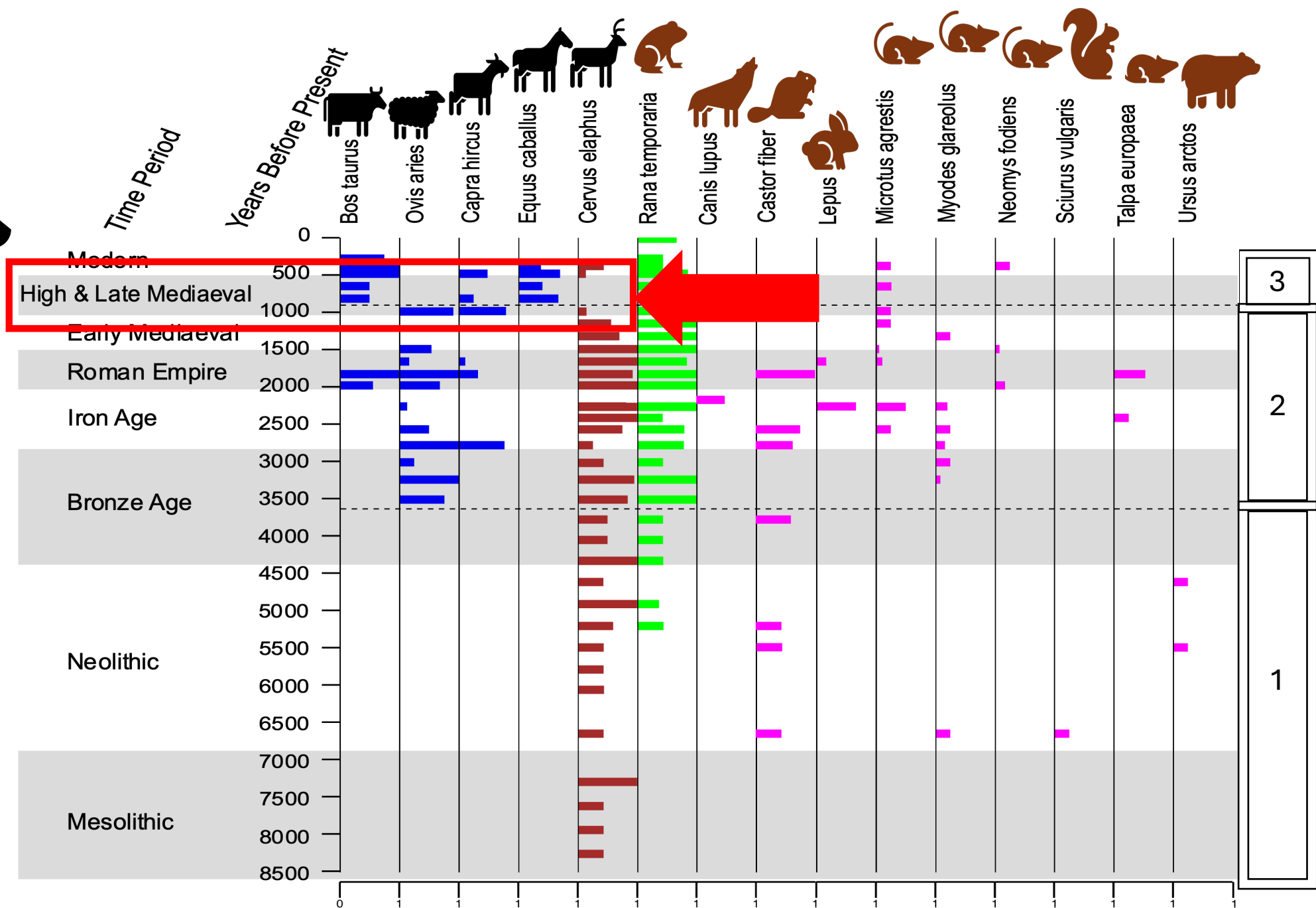


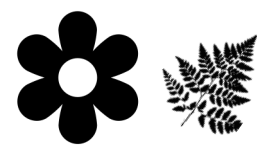


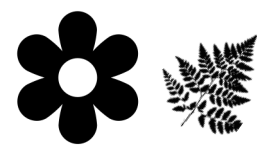


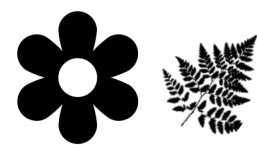


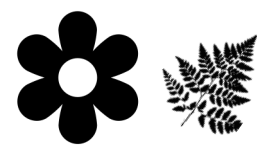


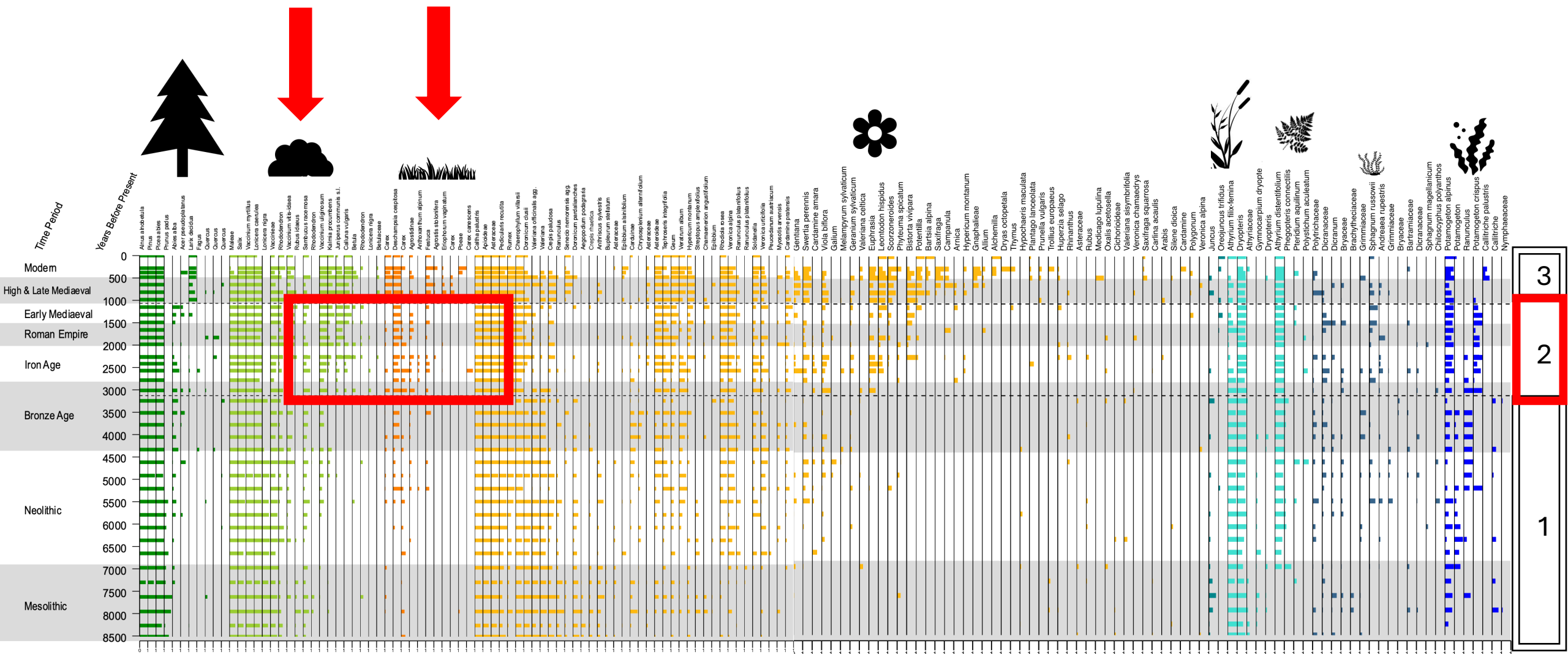


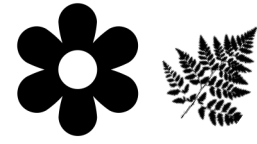






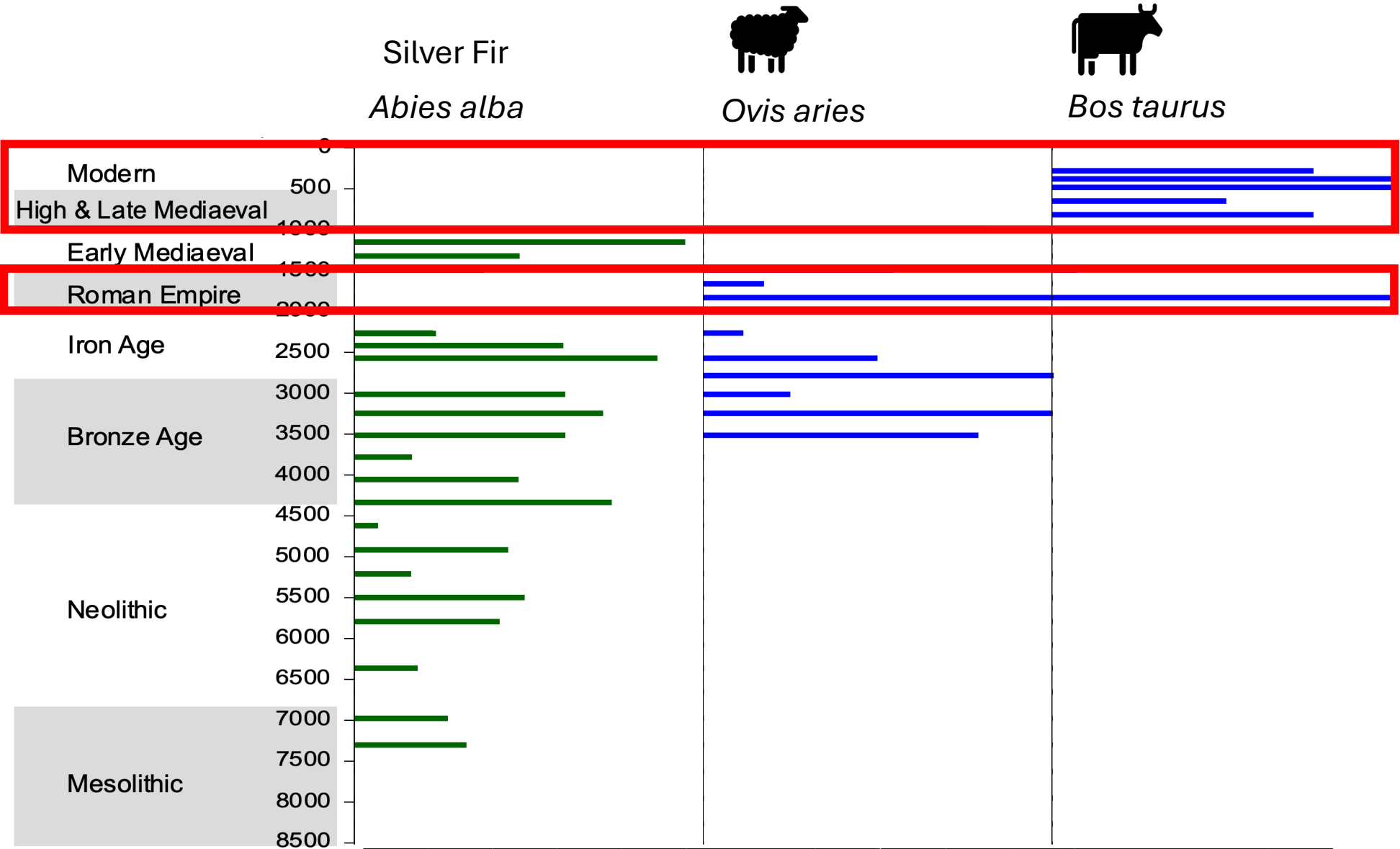


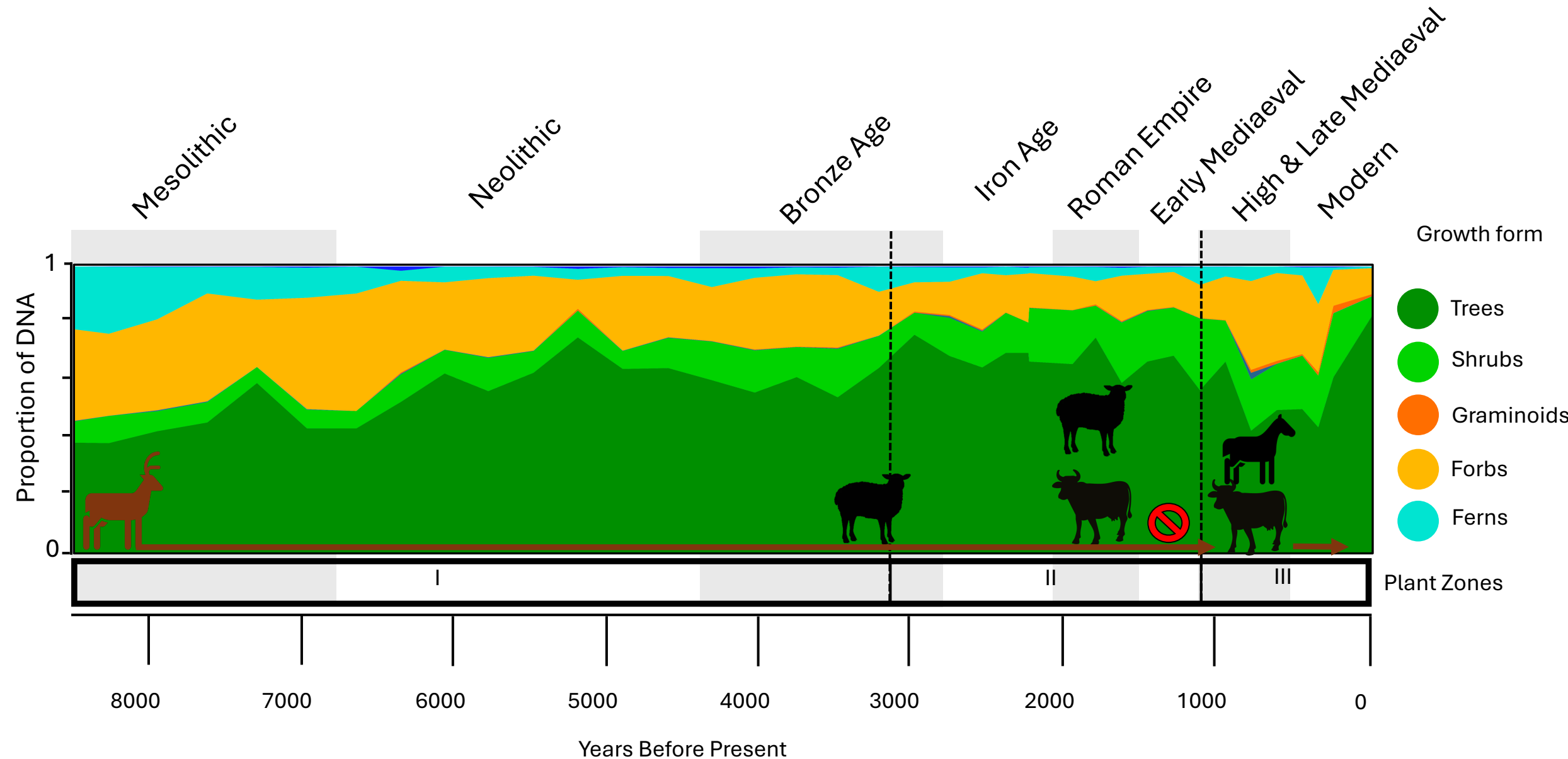


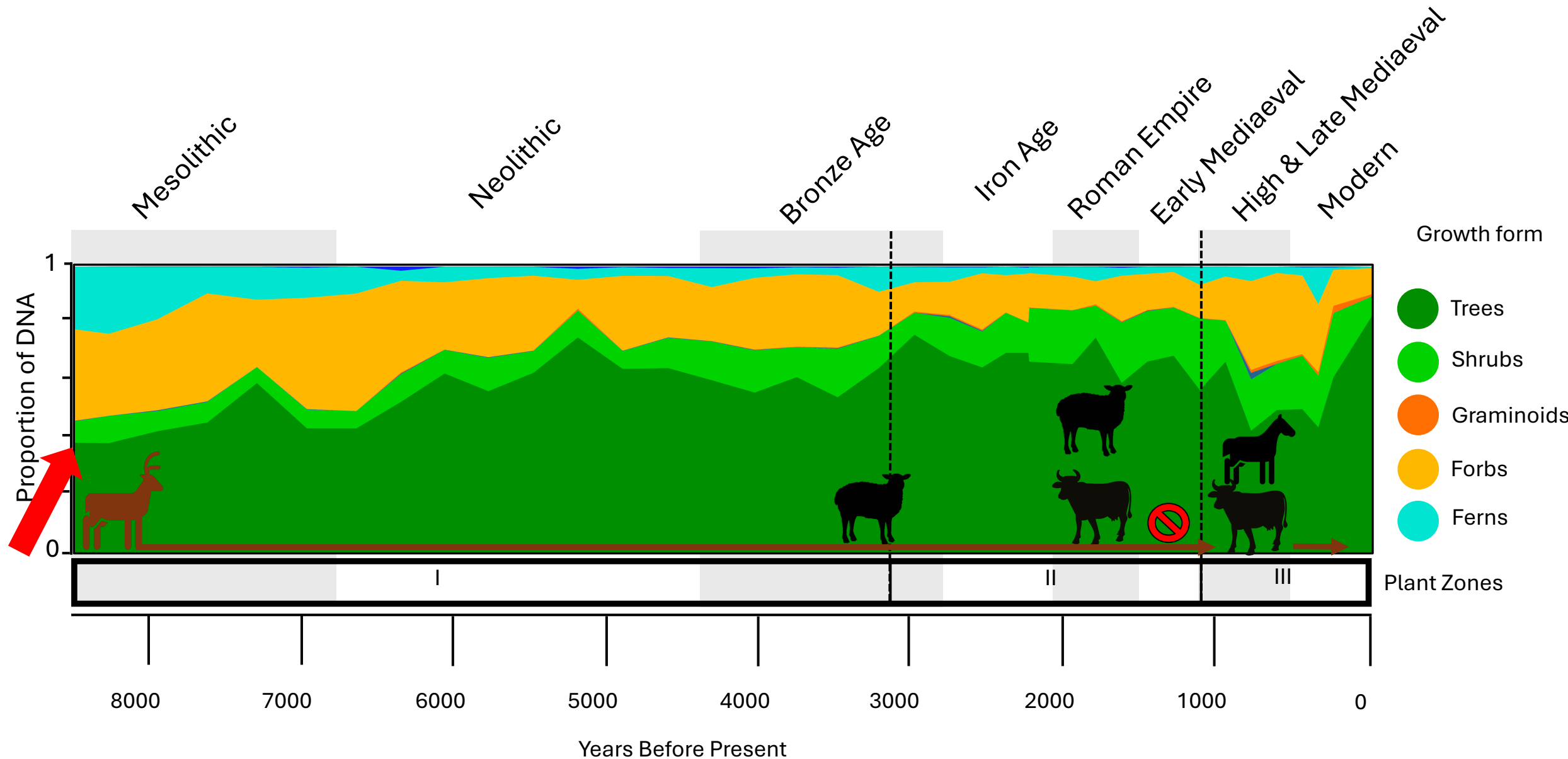


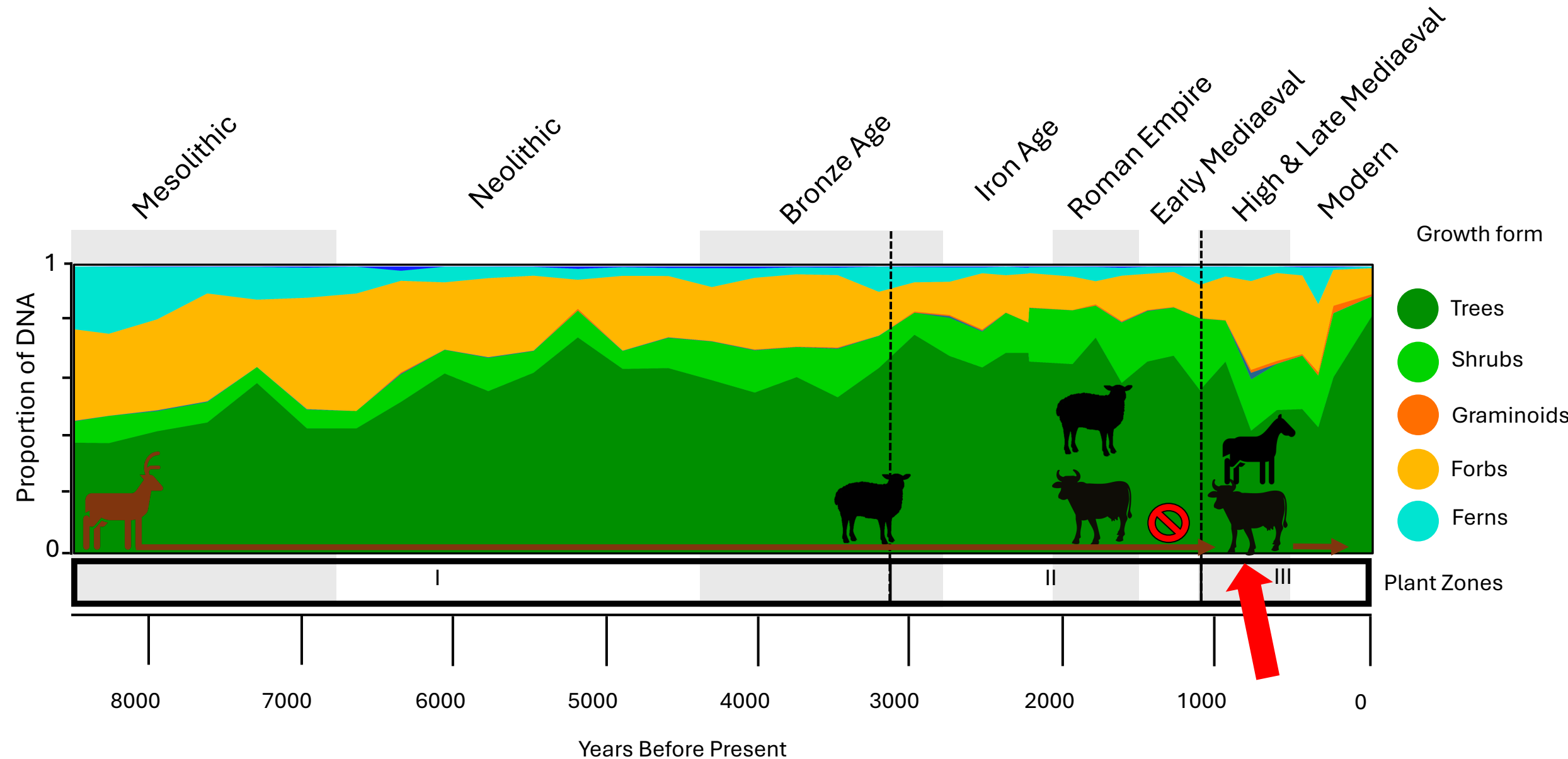


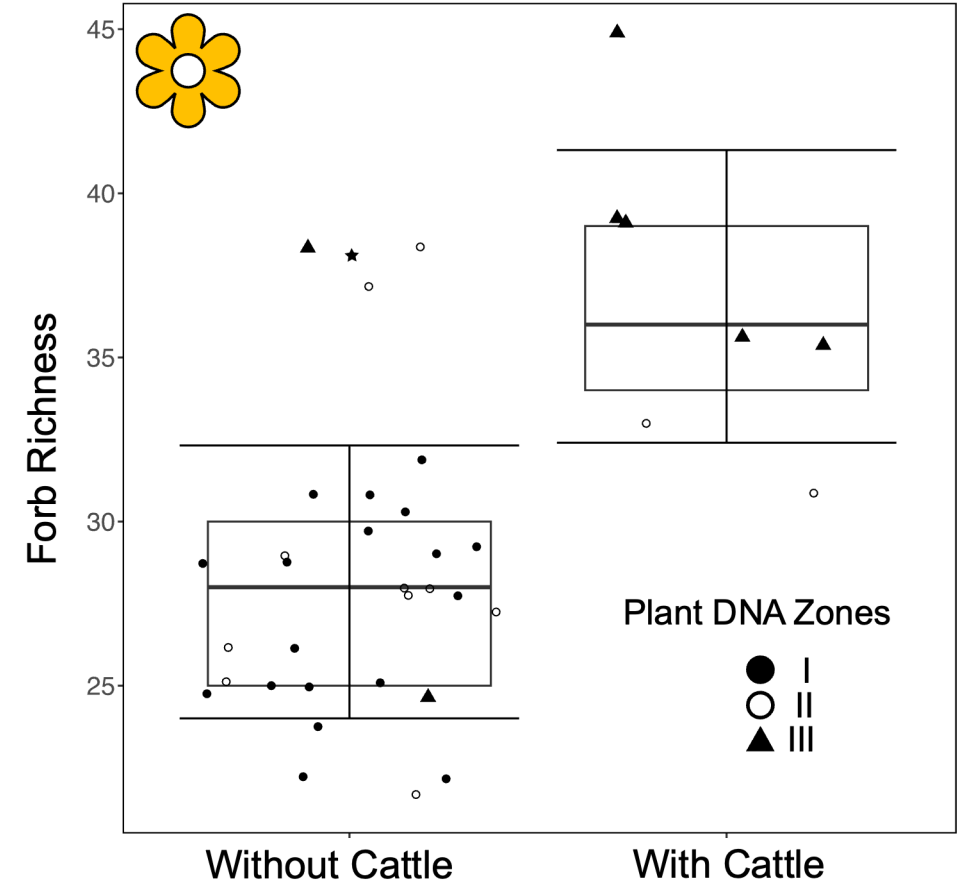
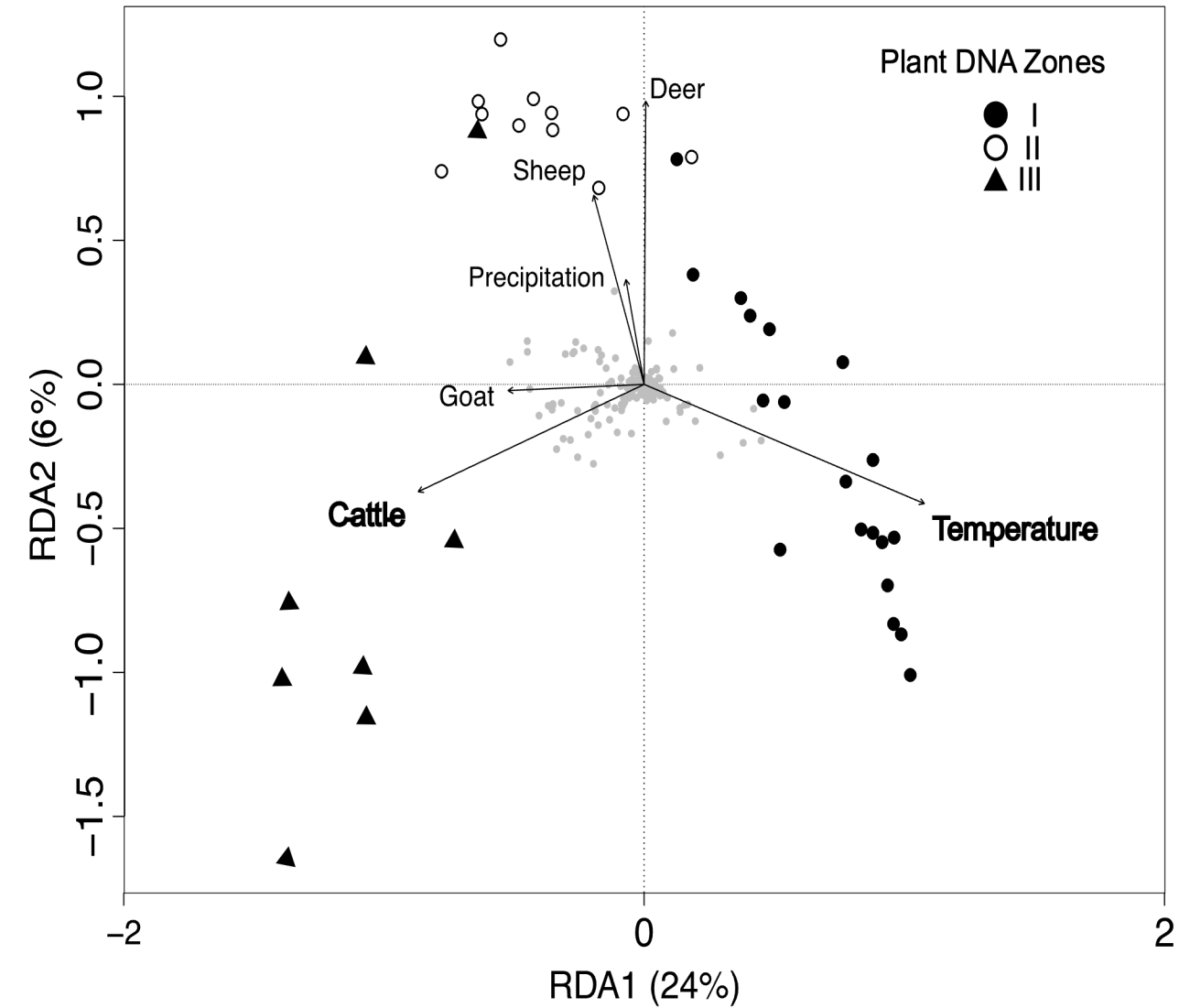
Credit: Ole Billing Hansen

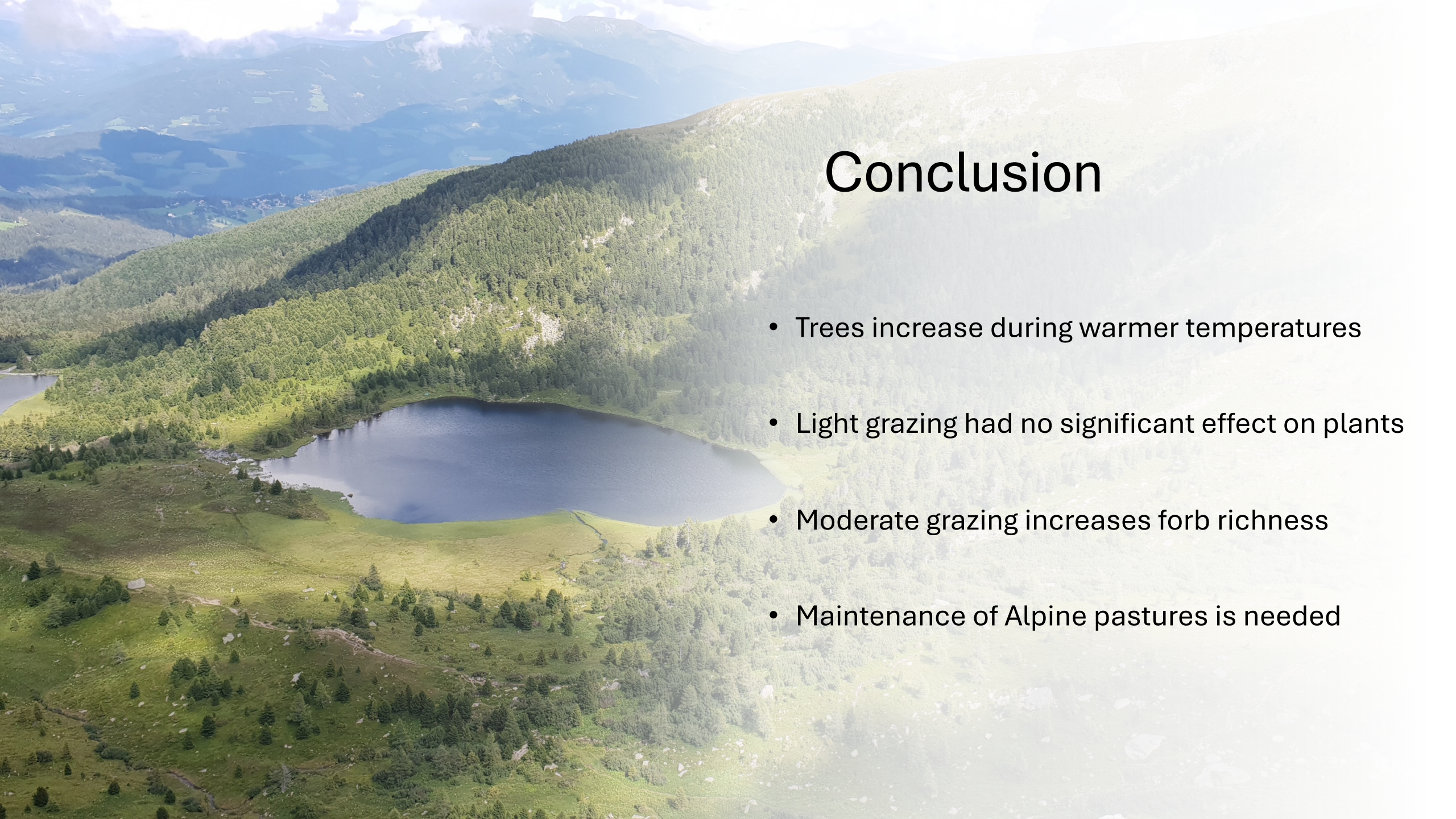












Conclusion

- Trees increase during warmer temperatures
- Light grazing had no significant effect on plants
- Moderate grazing increases forb richness
- Maintenance of Alpine pastures is needed

Zetter *et al.* (2025). 'SedaDNA shows that transhumance of domestic herbivores has enhanced plant diversity over the Holocene in the Eastern European Alps', *The Holocene*, 34(4)

Find me at:

scarlett.zetter@uit.no

uit.no/research/arcecogen

Thank you

Zetter *et al.* (2025). 'SedaDNA shows that transhumance of domestic herbivores has enhanced plant diversity over the Holocene in the Eastern European Alps', *The Holocene*, 34(4)



Positions Available

Tromsø Museum in *sedaDNA* and
archaeology/palaeoecology
April & May 2025



- PhD student x 2 (V2C - MEMELAND)
- Postdoctoral Researcher x3 (3 yrs - V2C, 4 & 6 yrs -MEMELAND)
- Technician (5 yrs - MEMELAND)
- Scientific Co-ordinator (5 yrs, 50% - MEMELAND)

