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APPENDIX 13. Comparison of node age estimates and their 95% highest posterior densities (HPDs) between the different estimates obtained by Abramson et al. (2021), Withnell and Scarpetta (2024) and in this paper (for both *Pliomys* sequences generated).

TMRCA	Abramson et al. (2021)			Withnell & Scarpetta (2024)	This paper	
	Complete	RY-masked	7 calibrations (A excluded)		STR sequence	REL sequence
Arvicolinae + Cricetinae	11.31 (9.48–13.3)	10.7 (8.42–13.31)	9.45 (7.45–11.8)	Est 11.8 (10.4–13.6)	10.33 (7.8–13.1)	10.15 (7.78–12.79)
Arvicolinae	7.36 (7.04–7.78)	7.33 (7.05–7.73)	6.09 (5.15–7.17)	6.41 (5.7–7.17)	6.34 (5.4–7.4)	6.2 (5.38–7.16)
Lemmings	4.81 (3.68–5.97)	4.37 (3.31–5.71)	4.16 (3.33–5.15)	4.05 (3.95–4.23)	4.11 (3.2–5.1)	4.11 (3.29–5.11)
Dicrostonychini + Ondatrini	5.85 (5.15–6.56)	5.54 (4.41–6.59)	4.92 (4.25–5.77)	NA	5.06 (4.5–6.37)	4.93 (4.25–5.73)
Dicrostonychini	4.89 (4.08–5.7)	4.49 (3.23–5.86)	4.13 (3.26–4.97)	Est 4.7 (4.1–5.9)	4.31 (3.45–5.26)	4.22 (3.48–5.06)
Clethrionomyini	4.02 (3.33–4.72)	4.46 (3.35–5.64)	3.4 (2.68–4.19)	3.39 (2.89–3.92)	3.34 (2.65–4.11)	3.29 (2.61–4.04)
(Ellobiusini + <i>Dinaromys</i>) / (Arvicolini + Lagurini)	6.2 (5.65–6.76)	6.11 (5.17–6.92)	5.19 (4.09–5.85)	Est 5.2 (4.6–5.8)	5.3 (4.72–6.53)	5.16 (4.41–6.01)
Ellobiusini	4.97 (4.21–5.69)	4.58 (3.42–5.68)	4.12 (3.2–5.06)	3.75 (3.11–4.42)	4.14 (3.22–5.07)	3.99 (3.22–4.91)
Lagurini	3.1 (2.59–3.75)	3.05 (2.56–3.75)	2.91 (2.55–3.38)	2.92 (2.33–3.51)	2.89 (2.54–3.35)	2.86 (2.55–3.29)
<i>Hyperacrius</i> / Arvicolini	5.76 (5.2–6.34)	5.79 (4.88–6.63)	4.82 (4.03–5.68)	NA <i>Hyperacrius</i> sister taxa <i>Dinaromys</i>	4.96 (4.15–5.85)	NA
Arvicolini s.str.	4.9 (4.33–5.47)	5.02 (4.12–5.89)	4.11 (4.03–5.68)	4.25 (3.75–4.75)	4.17 (3.48–4.96)	4.09 (3.39–4.8)
<i>Chionomys</i> + <i>Lemmiscus</i>	4.04 (3.3–4.74)	4.28 (3.11–5.4)	3.39 (2.6–4.21)	NA	NA	NA
<i>Chionomys</i>	3.29 (2.5–4.04)	3.45 (2.13–4.67)	2.77 (1.95–3.55)	2.56 (2.02–3.09)	2.89 (2.06–3.73)	2.81 (2.01–3.61)
<i>Proedromys</i> /	4.32 (3.81–4.86)	4.52 (3.69–5.33)	3.65 (3.01–4.34)	Est 3.9 (3.4–4.4)	3.67 (3.04–4.35)	3.61 (3.03–4.25)
<i>Microtus</i> ** (<i>Microtus</i> , <i>Sumeriomys Terricola</i> , <i>Blanfordimys</i> , <i>Agricola</i> , <i>Iberomys</i>)	3.8 (3.31–4.3)	3.87 (3.07–4.63)	3.01 (2.44–3.64)	3.43 (3.03–3.85)	3.02 (2.46–3.6)	2.97 (2.44–3.52)
<i>Mynomes</i>	3.41 (2.89–3.91)	3.32 (2.48–4.11)	2.88 (2.29–3.47)	2.92 (2.54–3.3)	2.87 (2.29–3.45)	2.82 (2.29–3.38)
<i>Microtus</i> + <i>Terricola</i>	2.96 (2.46–3.5)	3.18 (2.35–3.95)	2.5 (1.97–3.13)	Est 2.8 (2.4–3.2)	2.55 (2–3.08)	2.52 (2.01–3.04)
<i>Microtus</i>	1.87 (1.43–2.33)	2.06 (1.31–2.8)	1.58 (1.13–2.05)	Est 1.8 (1.5–2.3)	1.55 (1.1–1.98)	1.54 (1.13–1.98)
<i>Terricola</i>	1.38 (0.89–1.93)	1.46 (0.7–2.32)	1.17 (0.71–1.64)	Est 2.1 (1.7–2.5) / 1.3 (0.9–1.7)	1.72 (1.24–2.25) / 1.06 (0.64–1.47)	1.69 (1.23–2.21) / 1.05 (0.65–1.5)
<i>Iberomys</i> + (<i>Agricola</i> + <i>Blanfordimys</i>)	3.18 (2.66–3.71)	3.11 (2.23–3.99)	2.67 (2.07–3.3)	NA	2.63 (2.06–3.23)	2.59 (2.02–3.15)
<i>Agricola</i> + <i>Blanfordimys</i>	2.82 (2.26–3.35)	2.64 (1.69–3.54)	2.35 (1.73–2.97)	NA	2.31 (1.73–2.91)	2.27 (1.69–2.85)
<i>Neodon</i> + (<i>Alexandromys</i> + <i>Lasiopodomys</i>)	3.92 (3.4–4.4)	4.12 (3.31–4.9)	3.3 (2.67–3.93)	Est 3.5 (3.1–3.9)	3.3 (2.7–3.91)	3.25 (2.69–3.83)
<i>Neodon</i>	3.16 (2.58–3.76)	3.3 (2.43–4.23)	2.66 (2.01–3.3)	2.56 (2.18–2.96)	2.53 (1.9–3.21)	2.51 (1.87–3.12)
<i>Alexandromys</i> + <i>Lasiopodomys</i>	3.6 (3.12–4.09)	3.65 (2.86–4.44)	3.03 (2.47–3.67)	Est 3.4 (2.9–3.7)	3.02 (2.46–3.63)	2.98 (2.46–3.56)
<i>Lasiopodomys</i>	3.09 (2.59–3.56)	3.07 (2.27–3.85)	2.58 (2.02–3.17)	1.54 (1.12–1.98)	2.55 (2–3.11)	2.51 (1.98–3.04)
<i>Alexandromys</i>	2.16 (1.55–2.81)	2.2 (1.27–3.22)	1.8 (1.14–2.42)	2.15 (1.77–2.51) > number of species used	1.84 (1.28–2.4)	1.79 (1.22–2.35)
<i>Dinaromys</i> + <i>Pliomys</i> (i.e., Pliomyini or <i>Hyperacrius-Dinaromys</i>)				4.2 (3.15–5.17)	3.77 (2.64–4.89)	3.82 (2.79–4.82)
<i>Stenocranius</i>				1.25 (0.86–1.66)	1.22 (0.8–1.67)	1.2 (0.8–1.62)