

North Asian Pliocene-Pleistocene beremendiin shrews (Lipotyphla: Soricidae): A description of material from Russia (Siberia), Kazakhstan, and Mongolia and the paleobiology of *Beremendia*

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**Supplemental material, S12.** Dental and bone measurements (mm) of *Lunanosorex lii* Jin et Kawamura, 1996b from [1] Chinese Qipanshan Hill site (original description); *L. lii* from [2] Chinese Houxushan Hill (Jin et al., 2007); *Lunanosorex quui* Jin, Sun et Zhang, 2007 from [3] Chinese Bilike locality (see Qiu and Storch, 2000; as *Lunanosorex cf. lii*); *Dolinasorex glyphodon* Rofes et Cuenca-Bescos, 2009 from [4] Spanish Grand Dolina site (original description). Measurements are presented as in table S8. For *D. glyphodon* presents only means for each level, TD4–TD5–TD6, in square brackets (SD, limits and *n* see in Rofes and Cuenca-Bescos, 2009: tabs 1A, 1B).

Measurements	<i>L. lii</i> [1]	<i>L. lii</i> [2]	<i>L. quui</i> [3]	<i>D. gliphodon</i> [5]
HI1			2.98/0.14/2.73–3.15 (10)	[/_/2.56/2.54]
LT				[/_/1.69/1.69]
BL(P4)			2.19/0.10/2.00–2.40 (10)	[/_/3.09/3.11]
W(P4)			2.14/0.13/1.88–2.32 (10)	[/_/2.76/2.77]
LL(P4)				[/_/2.42/2.45]
BL(M1)			2.12/0.05/2.04–2.20 (10)	[/_/2.79/2.81]
AW(M1)			2.21/0.09/2.08–2.40 (10)	[/_/2.81/2.84]
PW(M1)			2.23/0.05/2.14–2.30 (10)	[/_/2.84/2.84]
LL(M1)				[/_/2.58/2.66]
BL(M2)			1.81/0.06/1.68–1.92 (9)	[2.01/2.09/2.14]
AW(M2)			2.25/0.07/2.16–2.40 (9)	[2.72/2.59/2.60]
PW(M2)			1.90/0.08/1.76–2.06 (9)	[2.18/1.97/2.02]
LL(M2)				[1.92/2.00/2.06]

L(M3)				[/_/0.81/0.95]
W(M3)				[/_/1.40/1.55]
L(i1)	5.86 (h.)	6.50/6.25–6.67 (3)	5.90/0.29/5.55–6.30 (7)	[6.98/6.78/6.71]
W(i1)				[1.76/1.80/1.82]
L(a1)	1.12 (h.)	1.00 (1)		
W(a1)	1.00 (h.)	1.00 (1)		
L(p4)	1.83 (h.)	1.88/1.75–1.92 (4)		[/_/2.08/2.12]
W(p4)	1.35 (h.)	1.34/1.29–1.42 (4)		[/_/1.76/1.75]
L(m1)	2.67 (h.)	2.70/2.67–2.75 (5)	2.31/0.12/2.12–2.49 (10)	[/_/2.98/3.02]
TRW(m1)	1.81 (h.)	1.66/1.58–1.75 (5)	1.51/0.07/1.40–1.60 (10)	[/_/1.78/1.83]
TAW(m1)	1.78 (h.)	1.75/1.67–1.83 (5)	1.55/0.11/1.32–1.68 (10)	[/_/1.84/1.86]
L(m2)	2.27 (h.)	2.20/2.08–2.33 (5)	2.02/0.08/1.88–2.12 (10)	[2.36/2.42/2.47]
TRW(m2)	1.54 (h.)	1.49/1.42–1.58 (5)	1.44/0.06/1.32–1.52 (10)	[1.54/1.51/1.57]
TAW(m2)	1.49 (h.)	1.42/1.33–1.50 (5)	1.42/0.06/1.32–1.52 (10)	[1.47/1.40/1.41]
L(m3)		1.59/1.50–1.71 (4)	1.46/0.09/1.28–1.56 (10)	[/_/1.57/1.65]
W(m3)	0.98 (h.)	1.00 (3)	0.98/0.05/0.88–1.04 (10)	[/_/0.96/0.98]
LML		6.06/5.92–6.25 (4)	5.36/0.17/5.22–5.55 (3)	[/_/6.38/6.45]
MBH				[/_/2.83/2.81]
MRH	6.86 (h.)			[/_/7.25/7.15]
HC		6.75/6.67–6.83 (4)		[/_/4.36/4.41]

LUF	1.98 (h.)	1.93/1.75–2.08 (4)		[/_/1.93/1.89]
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**Notes:** [1] — Qipanshan Hill (near Xingtunzhi town, Yinan County, Shandong Prov., China) fossiliferous sediments attributed to late Pliocene (Jin and Kawamura, 1996b: 479); [2] — Houxushan Hill (Queshan County, Henan Prov., China) fossiliferous sediments attributed to late Pliocene (Jin et al., 2007: 85); [3] — Bilike (Huade County, Inner Mongolia, China) fossiliferous sediments attributed to early Pliocene, Yushean, zone MN 14 (Qiu and Storch, 2000: 173); [4] — Grand Dolina site (Burgos, Spine) attributed to end of Early Pleistocene (Rofes and Cuenca-Bescos, 2009: 907); h. = holotype specimen (IVPP V10813).