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Comment

Interactive comment on “Neogene tectonics and climate forcing of carnivora dispersals between Asia and North America” by H. Jiang et al.

H. Jiang et al.

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1. Firstly, the carnivoran must depend on the herbivores rather than topography and climate if they must make survival. From these four fossil assemblages, a large species and number of the herbivores must have existed who mainly depend on the rich vegetation. So, the connection between the herbivores and vegetation might be crucial to reflect the climate. Done. Please see lines 35-41 in p.2, lines 154-161 in p.7-8, lines 204-215 in p.10, lines 277-288 in p.13-14, lines 355-363 in p.17.

2. Secondly, the tectonic uplift of the Tibetan Plateau is complicated and climate change in Eurasia seems to be driven by it as well as global cooling. It will not be the either-or choice in my opinion to discuss the driving force. Yes, maybe you are right

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to some degree. As an environmental event, tectonic movement and climate change are two most important aspects. So we consider that determining one or both factors is very important for understanding the nature and even occurring process of this environment event.

3. Additionally, English needs to be improved. Done. Please see the text.

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/7/C1472/2015/sed-7-C1472-2015-supplement.pdf>

Interactive comment on Solid Earth Discuss., 7, 2445, 2015.

SED

7, C1472–C1475, 2015

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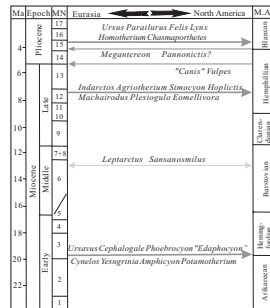


Fig. 1

Fig. 1.

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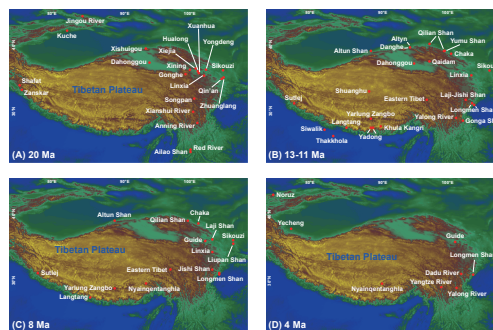


Fig. 2.

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