

## Palaeoenvironmental controls on the distribution of Cretaceous herbivorous dinosaurs

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Published online: 6 August 2008  
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**Erratum to : Naturwissenschaften**  
**DOI 10.1007/s00114-008-0417-5**

Table 1 of the paper “Palaeoenvironmental controls on the distribution of Cretaceous herbivorous dinosaurs” by Richard J. Butler and Paul M. Barrett contains an error. The significant correlation between the dinosaur clade Hadrosauridae and the ‘Terrestrial’ environmental category is indicated as being positive in nature; this correlation is actually a negative correlation as indicated correctly in the text (page 3). A corrected version of Table 1 follows.

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The online version of the original article can be found at <http://dx.doi.org/10.1007/s00114-008-0417-5>.

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**Table 1** Results of the Chi-squared tests of association between depositional environments and dinosaur groups

	“Marine” (136)			“Coastal” (225)			“Terrestrial” (1482)		
	$\chi^2$	+/-	p	$\chi^2$	+/-	p	$\chi^2$	+/-	p
Ankylosauria (240)	7.46 <sub>(28)</sub>	+	0.006**	0.43 <sub>(33)</sub>	N/A	0.61	5.95 <sub>(179)</sub>	–	0.015*
Nodosauridae (90)	4.91 <sub>(12)</sub>	+	0.027*	2.74 <sub>(16)</sub>	N/A	0.098	7.98 <sub>(62)</sub>	–	0.005**
Ankylosauridae (79)	1.55 <sub>(3)</sub>	N/A	0.213	2.66 <sub>(5)</sub>	N/A	0.103	4.69 <sub>(71)</sub>	+	0.03*
Ornithopoda (ichnology) (72)	N/A	N/A	N/A	0.272 <sub>(46)</sub>	N/A	0.602	0.272 <sub>(46)</sub>	N/A	0.602
Non-hadrosaurid Ornithopoda (321)	0.03 <sub>(23)</sub>	N/A	0.872	11.17 <sub>(57)</sub>	+	0.008**	7.02 <sub>(241)</sub>	–	0.008**
Hadrosauridae (391)	43.17 <sub>(59)</sub>	+	<0.0001**	0.84 <sub>(53)</sub>	N/A	0.359	25.85 <sub>(279)</sub>	–	<0.0001**
Hadrosaurinae (111)	1.43 <sub>(5)</sub>	N/A	0.232	2.76 <sub>(8)</sub>	N/A	0.097	4.65 <sub>(98)</sub>	+	0.031*
Lambeosaurinae (59)	0.61 <sub>(3)</sub>	N/A	0.436	1.03 <sub>(5)</sub>	N/A	0.311	1.41 <sub>(51)</sub>	N/A	0.236
Pachycephalosauria (69)	5.71 <sub>(0)</sub>	–	0.017*	1.65 <sub>(5)</sub>	N/A	0.199	6.93 <sub>(64)</sub>	+	0.008**
Ceratopsia (353)	32.17 <sub>(1)</sub>	–	<0.0001**	1.65 <sub>(36)</sub>	N/A	0.2	22.99 <sub>(316)</sub>	+	<0.0001**
Chasmosaurinae (113)	7.43 <sub>(1)</sub>	–	0.006**	0.004 <sub>(14)</sub>	N/A	0.952	3.05 <sub>(98)</sub>	N/A	0.081
Sauropoda – ichnology only (27)	N/A	N/A	N/A	0.8 <sub>(9)</sub>	N/A	0.8	0.8 <sub>(18)</sub>	N/A	0.8
Sauropoda – total-evidence (354)	1.34 <sub>(21)</sub>	N/A	0.247	4.87 <sub>(31)</sub>	–	0.027*	6.68 <sub>(302)</sub>	+	0.0097**
Macronaria (190)	3.11 <sub>(8)</sub>	N/A	0.08	14.36 <sub>(7)</sub>	–	0.0002**	18.38 <sub>(175)</sub>	+	<0.0001**
Herbivorous theropods (94)	4.00 <sub>(2)</sub>	–	0.046*	2.1 <sub>(7)</sub>	N/A	0.148	6.35 <sub>(85)</sub>	+	0.012*