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SUPPLEMENTARY ONLINE MATERIAL FOR

**A new placodont sauropterygian from the Middle Triassic  
of the Netherlands**

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**Supplementary Online Material**

SOM 1. List of bones that are measurable.

SOM 2. Character list of *Pararcus diepenbroeki* gen. et sp. nov., as added to the matrix of Neenan et al. (2013).

## SOM 1

List of bones that are measurable. Abbreviations: c, centrum; cr, caudal rib; cvc, centrum of caudal vertebra; di, distal; dr, dorsal rib; haem., haemapophysis; is, ischium; lb, limb bone; na, neural arch; nacv, neural arch of caudal vertebra; nm, not measurable due to preservation of bone; pr, proximal; pu, pubis; uib, unidentified bone.

Bone	Length (mm)	Slab no.	Bone	Length (mm)	Width (mm)	Slab no.
na1	46 mm	TWE 480000454-B	c5	2.60	33.0	TWE 480000454-B
na2	>42.8	TWE 480000454-B	c6	2.85	33.5	TWE 480000454-B
na3	44	TWE 480000454-B	c7	3.0	nm	TWE 480000454-B
na5	45.5	TWE 480000454-E	c9	2.85	33.0	TWE 480000454-B
na6	44	TWE 480000454-J	c11	2.3	22	TWE 480000454-B
na7	53	TWE 480000454-K	cvc7	2.0	~18	TWE 480000454-G
na8	52	TWE 480000454-K	cvc8	2.2	21	TWE 480000454-G
nacv	21.5	TWE 480000454-G	cvc9	2.3	12	TWE 480000454-G
dr1	>65	TWE 480000454-B	cvc10	1.93	nm	TWE 480000454-G
dr4	>102	TWE 480000454-E	pu	5.1	48.5	TWE 480000454-B
dr5	>143	TWE 480000454-E	is	6.0	61	TWE 480000454-A
dr6	>145	TWE 480000454-D/E	is	6.05	62	TWE 480000454-B
dr8	+130	TWE 480000454-M	uib	~8.1	18.5	TWE 480000454-K
cr1	59	TWE 480000454-E	lb	10.1	33 pr	TWE 480000454-H
cr2	52	TWE 480000454-J			22 di	
cr3	54	TWE 480000454-J&K				
cr4	55	TWE 480000454-K				
cr5	52	TWE 480000454-K				
cr6	47	TWE 480000454-K				
?cr1	nm	TWE 480000454-B				
?cr2	~60	TWE 480000454-B				
?cr3	54	TWE 480000454-B				
?cr4	49	TWE 480000454-B&E				
?cr5	nm	TWE 480000454-E				
?cr6	54 mm	TWE 480000454-K				
haem.	32 mm	TWE 480000454-G				

## SOM 2

Character list of *Pararcus diepenbroeki* gen. et sp. nov., as added to the matrix of Neenan et al. (2013). The latter was originally built on and modified from the matrix of Liu et al. (2011), taking into account additional reports on new Chinese marine reptiles (e.g., Li et al. 2011; Sato et al. 2010; Shang et al. 2011; Wu et al. 2011):

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