

Table 1

Possible absolute ages for PETM and K/Pg boundary. Please note that accurate absolute ages cannot be provided by now (see discussion in the text)

Event	BKSA 1995	GTS2004	Recalibrated FCT ^a	Recalibrated Ash A1 ^b	Recalibrated Sanadine ^c	<u>This study</u> Option 1	<u>This study</u> Option 2	<u>This study</u> Option 3
P/E boundary (PETM)	55.0	55.00	~55.75	~55.59	(~55.7)	~55.53	~55.93	~56.33
K/Pg boundary	65.0	65.50	~66.65	~65.84±0.04	~65.8	~65.28	~65.68	~66.08
FCT standard age at	27.84	28.02	~28.21	28.12±0.05	28.2 ^d	–	–	–

^a Kuiper et al. 2004, 2005.

^b Swisher et al. (EGU2006).

^c Hilgen et al. (EGU2006).

^d Mean of 28.23 Ma Amsterdam and 28.18 Ma Berkley.