

Description of Additional Supplementary Files

Supplementary Data 1:

$\delta^{18}\text{O}$, $\delta^{13}\text{C}$ and growth rate of BA7-1

Supplementary Data 2:

Sr/Ca of BA7-1

Supplementary Data 3:

U-Th dating results of BA7-1

Supplementary Data 4:

Tuned records of U1313 and MD03-2699