



Variations of cord-aridiphilous (CA) mollusc group/thermo-humidiphilous (TH) group ratio, MS, grain size and FeD/FeT ratio in L9 loess. The grain size data are from Lu et al. (2000), and the FeD/FeT ratio data are provided by Z. T. Guo. Ages of all the proxies are modified according to their correlations to MS data. Light blue horizontal bars show three major cooling fluctuations.