



Figure S3: ARM acquisition curves for Ancora samples in late Paleocene silt, PETM clay, and early Eocene silt, determined in a 100 mT alternating field. The upper dotted line shows the reference curve of the magnetotactic bacterium *Magnetospirillum magneticum* AMB-1, while the lower dotted line shows the reference curve for highly interacting single domain magnetite in a chiton tooth.