

**GSA Supplemental Data Item 2010290**

**Figure DR1.** (A) Intraclast conglomerate in Jordan Formation. Some intraclasts show large examples of the wedge-shaped gaps (arrows) shown in Fig. 3A–3F of the main paper. Vertical grooves in outcrop are from backhoe excavation. (B–C) Active surf transport (B) and burial (C) of frozen sand clasts on modern shoreline.

