

## Supplementary Figure Captions

1. Locations surveyed by the Paleoeskimo Demography Project in the central Canadian Arctic, as well as other locations listed in Supplementary Table 1. The range of Late Dorset settlements indicated in darker gray. Boundaries are after Friesen (2007), except for Melville Island, which we extend to encompass the entire island as limited work has been undertaken on this island. While earlier Paleoeskimo features have been identified in East Greenland, Late Dorset features are not known east of Hall Land (Maxwell 1985).
2. Artifacts identified in direct association with TMPs in Inglefield Land: asymmetrical Late Dorset knife made of chert (left); red sandstone whetstone (middle); chert microblade (right).
3. Calibrated radiocarbon dates associated with TMPs in the Canadian and Greenlandic Arctic.
4. Calibrated radiocarbon dates from Inglefield Land associated with the Late Dorset. Solid-line boxes denote radiocarbon dates associated with TMPs; dashed lines indicate dates associated with typical rectangular midpassages. The three potential phases of Late Dorset occupation discussed in the text of Inglefield Land are shaded.
5. Proposed movement of TMPs through time. Gray shaded areas indicate areas of more frequent occurrence of TMPs.