



**Figure S16** Genetic affinity of East Asian and Siberian populations to Nganasan and Itelmen measured by Patterson’s  $D(\text{Yoruba}, X; \text{Nganasan}, \text{Itelmen})$ . In this analysis, we used the 22 unrelated Ainu individuals including the recently admixed ones. Comparing these results to those in Figure S15, it is clear that the conclusions are not sensitive to the omission of the recently admixed Ainu. The “WHA” data set used for this analysis includes the Sherpa and Tibetan samples. Horizontal bars around the value represent  $\pm 3$  standard deviations.