



Figure S4. Likelihood ratios (LR; green line at median) showing the performance range of autosomal STRs (aSTR) and identity SNPs (iSNPs). LRs were calculated for NIST reference material 2391c (components A-C) and ancient DNA samples FA10026B01A, FA10030T01A and FA10058T01B. Allele frequencies for 27 aSTRs and 49 iSNPs were taken from SPSmart v5.1.1. (*Amigo et al., 2008; Amigo et al., 2009*). Only a partial fraction of the entire 94 iSNPs that were included in the validated SNPforID 52-plex panel (*Sanchez et al., 2006*) was selected for LR calculation. Allele frequencies were selected according to the manufacturer's provided information of geographic origin of the respective DNA sample (2391cA: European; 2391cB: American; 2391cC: Oceania). Allele frequencies for ancient DNA samples were taken from SPSmart v5.1.1 (*Amigo et al., 2008; Amigo et al., 2009; European population*).