



**Supplementary Fig. 5.** The distribution of ethnic variant single nucleotide polymorphisms (ESNPs) across Pan-Asian and HapMap ethnic groups. We analyzed the ethnicity-specific single-nucleotide polymorphisms, including the four HapMap groups (CEU, CHB, JPT, and YRI), for the following groups: super-populations (Asians, Caucasoids, American Indians, and outliers [IN-NI, IN-TB, and CN-UG]); 12 populations; and 76 ethnic groups (Pan-Asian and four HapMap ethnic groups). AX-AI, Karitiana; AX-ME, Ami; CEU, European; PI-AE, Ayta; PI-AG, Ayta; PI-MW, Mamanwa; TH-MA, Mlabri; YRI, Yoruba; CHB, Han; JPT, Japanese; IN-NI, Mongoloid features; IN-TB, Mongoloid features; CN-UG, Uyghur.