



**Figure S3** Analysis of HGDP-CEPH diversity panel samples from five continental origins using a set of 46 AIM-INDELS: A) ancestry membership proportions (estimated based on STRUCTURE results from 3 independent runs treated in CLUMPP and plotted with *distrupt*; individuals were first sorted by geographic origin of population. and within those by ascending population code and HGDP individual number); B) estimated ln probability of the data ( $-\ln P(D)$ ) obtained with STRUCTURE and plotted using Structure harvester); C) principal component analysis 3D plots. D) estimation on population assignment success (results from one-out cross validation studies using the Snipper app suite; see methods for details on the analyses). AFR: Africa; EUR: Europe; EAS: East Asia; NAM: Native America; OCE: Oceania.