

Table S2: Correlation of ancestry calls between our approach and the 1000 Genomes calls in real admixed individuals from 1000 Genomes.

	African American (ASW)	Mexican (MXL)	Puerto Rican (PUR)
LANC-CSV	0.94 (0.994 0.988)	0.63 (0.84, 0.68)	0.81 (0.96, 0.92)
LAMP-LD	99.12 (1, 1)	0.66 (0.89, 0.77)	0.79 (0.94, 0.79)

Accuracy reported as r^2 (haploid accuracy, diploid accuracy). The 1000 Genomes consensus local ancestry calls were made using LAMP-LD as one of the four methods. This demonstrates that poor accuracy is likely a result of poor reference panels.