Supplementary Information

Title: Genetic association of *ERAP1* and *ERAP2* with eclampsia and preeclampsia in northeastern Brazilian women

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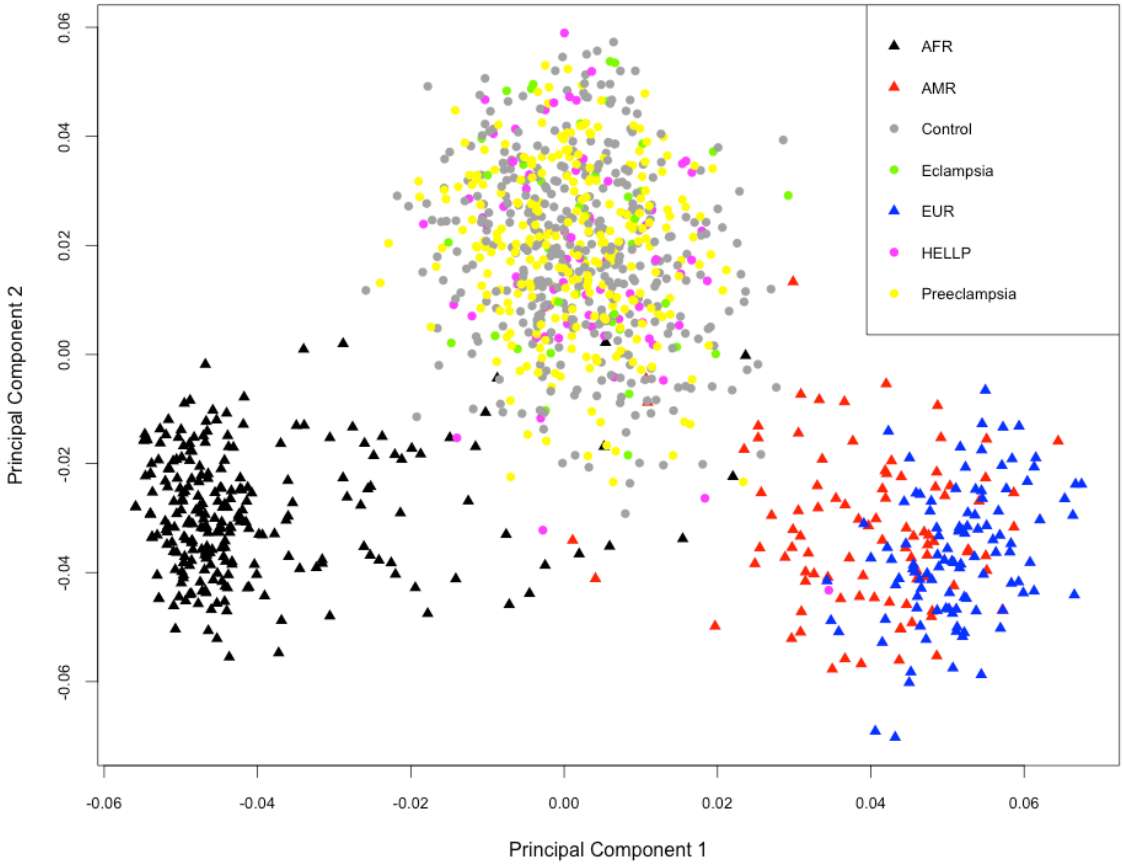

Supplementary Figure 1. Scatter plot of the two principal components estimated from genotype information of 27 Ancestry Informative Markers (AIMs). Our study samples (n=756) belong to the highly admixed Brazilian population that clustered together in an intermediate region relative to the African (AFR), European (EUR) and Amerindian (AMR) reference populations from The 1000 Genomes Project. Importantly, control and cases women were equally distributed suggesting absence of population stratification.

Supplementary Information

Supplementary Table 1. Allele frequency comparisons across phenotypic groups.

Gene	SNP	Minor allele	Minor allele frequency				
			Control	PE	PEsuper	Eclampsia	HELLP
LNPEP	rs27300	C	0.402	0.382	0.375	0.370	0.414
	rs38034	T	0.396	0.371	0.375	0.340	0.389
	rs2303138	A	0.122	0.130	0.105	0.132	0.128
ERAP1	rs30187	T	0.459	0.458	0.459	0.391	0.400
	rs27044	G	0.354	0.358	0.328	0.340	0.327
ERAP2	rs2549796	C	0.485	0.506	0.467	0.406	0.509
	rs2927609	T	0.380	0.364	0.356	0.326	0.385
	rs11135484	A	0.447	0.443	0.440	0.425	0.467

No difference was detected ($p>0.05$) when each case group was compared against control group.