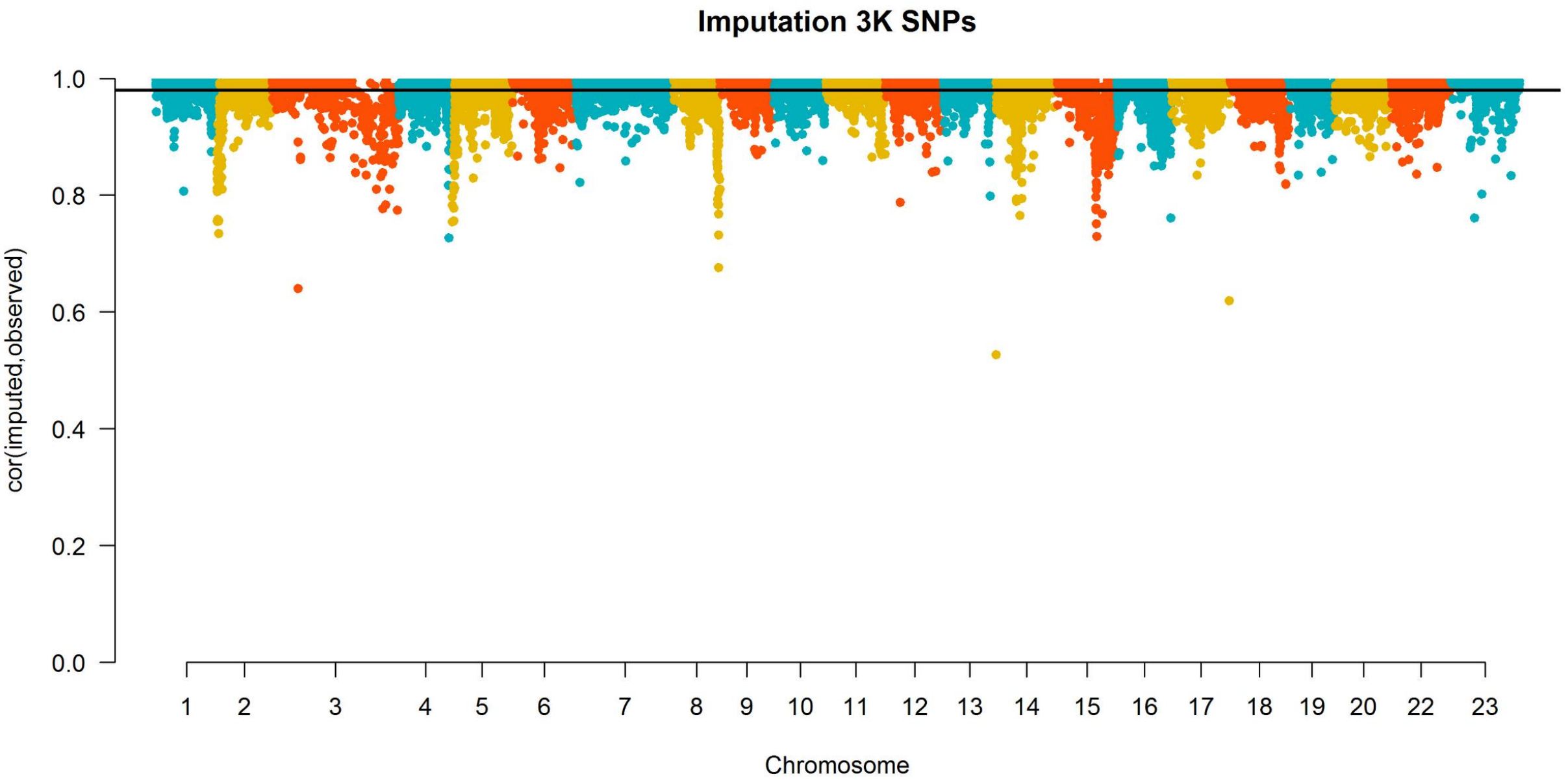

Figure S1. Correlations between observed and imputed genotypes for each SNP for imputation from low-density (LD3K) to high-density (HD) panel in Nile tilapia using parents (n = 108) and 20% of offspring (n = 226) genotyped with the HD panel as the reference set and 80% of offspring (n = 904) as the validation set. The black line indicates the mean imputation accuracy.

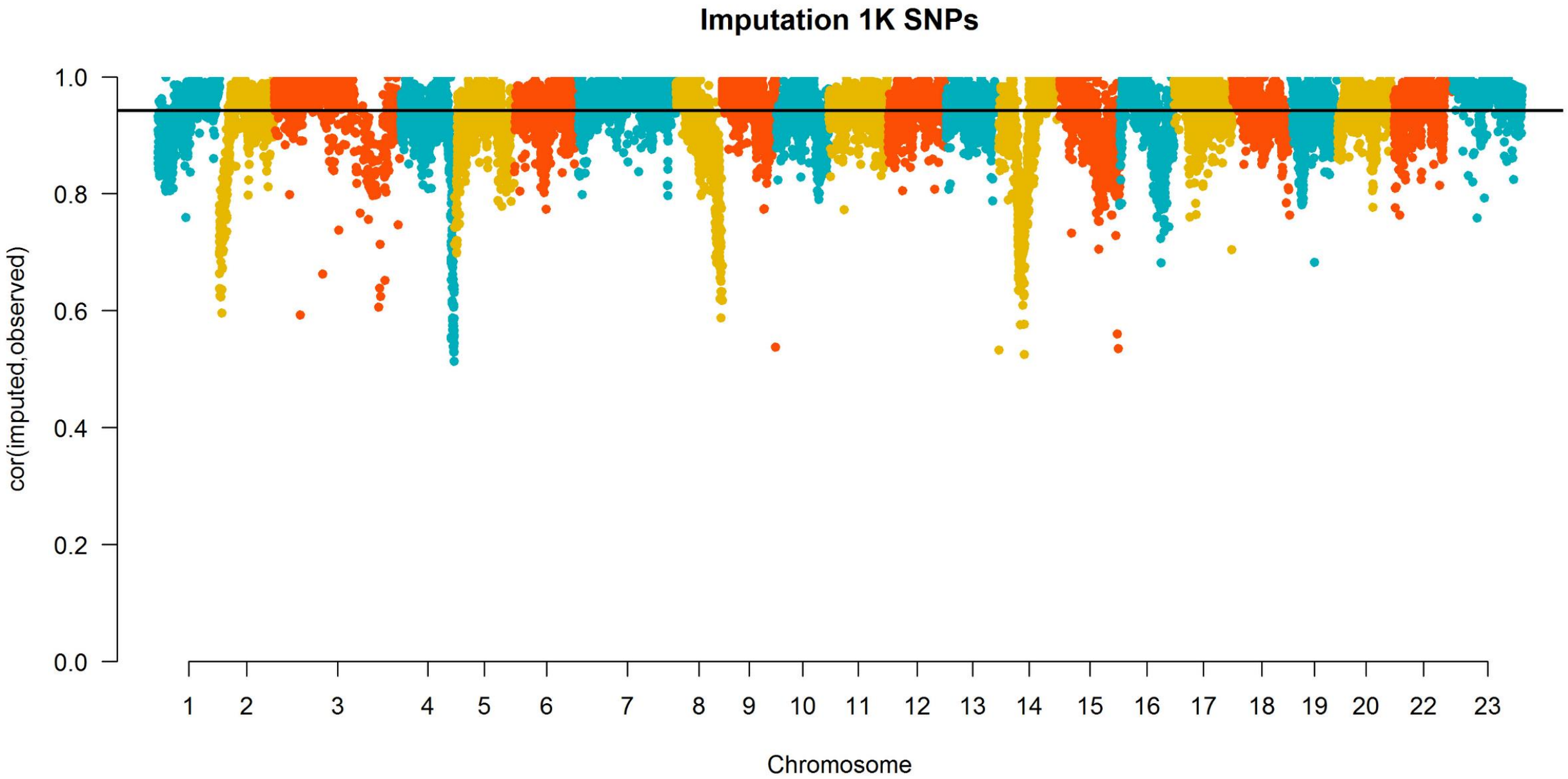

Figure S2. Correlations between observed and imputed genotypes for each SNP for imputation from low-density (LD1K) to high-density (HD) in Nile tilapia using parents (n = 108) and 20% of the offspring (n = 226) genotyped with the HD panel as the reference set and 80% of the offspring (n = 904) as the validation set. The black line indicates the mean imputation accuracy.

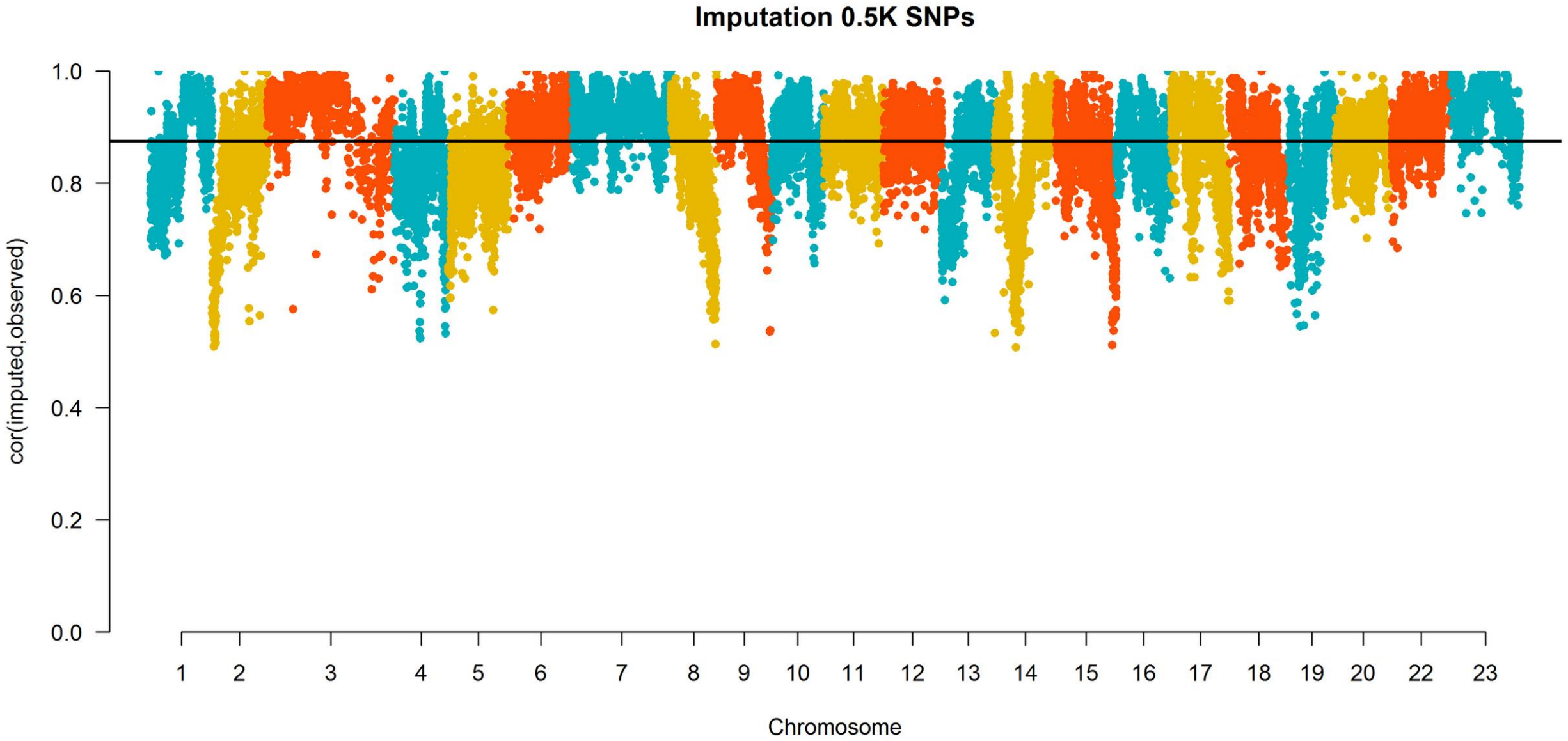

Figure S3. Correlations between observed and imputed genotypes for each SNP for imputation from low-density (LD0.5K) to high-density (HD) in Nile tilapia using parents (n = 108) and 20% of offspring (n = 226) genotyped with the HD panel as the reference set and 80% of the offspring (n = 904) as the validation set. The black line indicates the mean imputation accuracy.

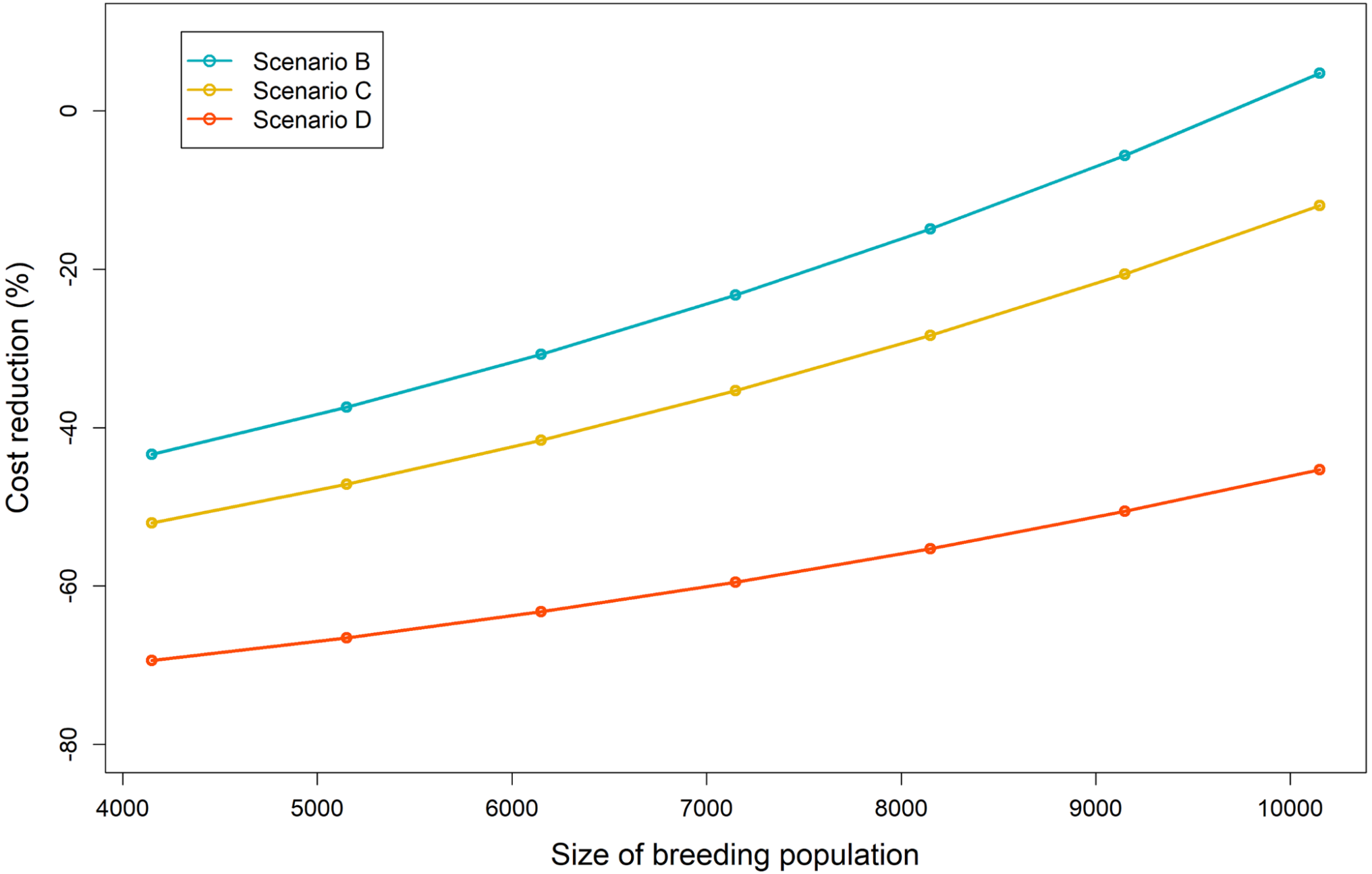

Figure S4. Genotyping cost reduction (%) compared to scenario A, where all animals are genotyped using a HD panel.