

Not all genes are created the same

The map to the right shows the frequencies of [HGDP populations](#) on *SLC45A2*, which is a locus that has been implicated in skin color variation in humans. It's for the SNP rs16891982, and I yanked the figure from [IrisPlex: A sensitive DNA tool for accurate prediction of blue and brown eye colour in the absence of ancestry information](#). Brown represents the genotype CC, green CG, and blue, GG. Europeans who have olive skin often carry the minor allele, C. While *SLC24A5* is really bad at distinguishing West Eurasians from each other, *SLC45A2* is better. Though both are fixed in Northern Europe, the former stays operationally fixed in frequency outside of Europe, in the Near East. As I stated earlier the proportions of the ancestral SNP in the Middle Eastern populations in the HGDP seem to be easily explained by the Sub-Saharan admixture you can find in these groups.

View the original article here: [Not all genes are created the same](#)