



**Supplemental Fig. S6.** Biological effect of the actin epsilon 1, pseudogene (*ACTE1P*) rs12803256 single nucleotide polymorphism (SNP) on serum 25-hydroxyvitamin D concentrations. (A) Location of the rs12803256 SNP on the *ACTE1P* gene, which is located upstream of the 7-dehydrocholesterol reductase (DHCR7) locus. (B) Box plot of expression quantitative trait locus (eQTL) for rs12803256 on skin tissue, whole blood, and liver tissue of both non-sun-exposed and sun-exposed subjects. CTCF, CCCTC-binding factor; NADSYN1, glutamine-dependent NAD(+) synthetase.