

**Supplemental Table S3. Frequencies<sup>1</sup> of *CYP2C19* alleles in major race/ethnic groups<sup>2</sup>**

Allele	African	American	East Asian	European	Middle Eastern	Oceanian	South/Central Asian
<i>*1</i> <sup>3</sup>	0.68	0.69	0.60	0.63	0.87	0.24	0.62
<i>*2</i>	0.15	0.12	0.29	0.15	0.12	0.61	0.35
<i>*3</i>	0.0052	0.00028	0.089	0.0042	0.011	0.15	0.024
<i>*4</i>	0.00093	0.0024	0.00049	0.0025	ND	ND	0.00
<i>*5</i>	ND	0.00	0.00062	0.000073	ND	ND	0.00
<i>*6</i>	0.00	0.00	0.00	0.00017	ND	ND	0.00
<i>*7</i>	ND	ND	ND	0.00	ND	ND	ND
<i>*8</i>	0.00	0.0012	0.00	0.0035	ND	ND	ND
<i>*17</i>	0.16	0.18	0.027	0.21	ND	ND	ND

ND: not determined.

<sup>1</sup> Average frequencies are based on actual numbers of subjects with each allele reported in multiple studies. See **Supplemental Table S4** for details and references.

<sup>2</sup> Worldwide race/ethnic designations correspond to the Human Genome Diversity Project-Centre Etude Polymorphisme Humain (HGDP-CEPH) (21, 22) as indicated in **Supplemental Table S4**.

<sup>3</sup> Note that because *CYP2C19\*1* is not genotyped directly, its inferred frequency is calculated as: 1 - (sum of variant allele frequencies).