S3 Table. Phenotypes for genome-wide association analysis

Phenotype		N	nSNPs
1. Physiological phenotypes			
Hb	Blood hemoglobin concentration (g/dL)	921	3,507,568
SaO$_2$	Arterial blood oxygen saturation (%)	921	3,507,568
Pulse	The number of pulses per minute	920	3,508,046
oxyHb	Oxygenated Hb (= Hb × SaO$_2$ / 100)	921	3,507,568
deoxyHb	Deoxygenated Hb (= Hb - oxyHb)	921	3,507,568
2. Fertility count phenotypes			
# of pregnancies		981	3,507,697
# of live births		981	3,507,697
# of children born alive but died < 1 yr		923	3,507,108
# of children surviving at 1 yr but died < 5 yr		849	3,507,585
# of children surviving at 5 yr but died < 15 yr		531	3,506,695
# of children born alive but died < 5 yr		849	3,507,585
# of children born alive but died < 15 yr		532	3,506,123
# of children surviving at 1 yr		923	3,507,108
# of children surviving at 5 yr		849	3,507,585
# of children surviving at 15 yr		531	3,506,695
# of stillbirths		981	3,507,697
# of miscarriages		981	3,507,697
# of twin births		981	3,507,697
A woman's age at her first childbirth		972	3,507,330
A woman's age at her last pregnancy		958	3,507,463
3. Fertility proportion phenotypes			
Proportion of live births among pregnancies		981	3,507,697
Proportion of stillbirths among pregnancies		981	3,507,697
Proportion of miscarriages among pregnancies		981	3,507,697
Proportion of children born alive but died < 1 yr		923	3,507,108
Proportion of children born alive but died < 5 yr		849	3,507,585
Proportion of children born alive but died < 15 yr		532	3,506,123
Proportion of children surviving at 1 yr but died < 5 yr		849	3,507,585
Proportion of children surviving at 5 yr but died < 15 yr		531	3,507,249

4. Covariates

Hb ~ sub + age + SaO$_2$ + ft   SaO$_2$ ~ sub + age + alt + Hb + Hb^2 + ft

Pulse ~ sub + Hb + SaO$_2$ + ft   oxyHb ~ sub + age + age^2 + ft   deoxyHb ~ sub + age + alt + ft

Fertility counts and proportions ~ sub + age + ct + CM

Sub = subdistrict label (4 groups); alt = altitude of residence
ft = fingertip temperature; ct = use of contraception; CM = continuously married