Table 1A: Heritabilities for 98 quantitative traits under basic and dominance/household models

	Effect of Covariates[1]			Basic Model				Dominance/Household Model[2]		
								Narrow H²	Broad H²	
Traits	Sex	Age	Sex&Age	Sex	Age	Sex&Age	H²	σ_g^2/σ^2	$(\sigma_g^2+\sigma_d^2)/\sigma^2$	Signif
Blood Analyses										
RBC	.206	.003	.015	****	****	****	.673	.658	.773	*
Hb	.360	.002	.010	****	****	****	.472	.444	.606	**
MCV (mean RBC vol)	.007	.036	.004	****	****	****	.761	.758	.787	
MCH (mean RBC Hb)	.018	.020	.003	****	****	****	.777	.773	.804	
WBC	.034	.010	.004	****	****	****	.383	.331	.621	****
NE (neutrophils)	.002	.010	.002	****	****	**	.344	.324	.420	
LY (lymphocytes)	.000	.016	.003		****	**	.343	.318	.445	*
MO (monocytes)	.034	.010	.000	****	****		.404	.378	.520	*
EO (eosinophils)	.014	.007	.000	****	****		.371	.356	.442	
BA (basophils)	.000	.001	.000				.138	.138	.138	
PLT (platelets)	.050	.020	.002	****	****	**	.527	.506	.640	*
HbF	.006	.013	.000	****	****		.623	.609	.708	*
HbA2	.001	.011	.001	**	****		.725	.709	.837	*
HbA1C	.013	.169	.003	****	****	**	.589	.552	.832	**
G6PD	.003	.013	.005	****	****	****	.724	.720	.762	
SERUM GLUCOSE	.048	.193	.003	****	****	****	.362	.318	.548	**
SERUM INSULIN	.000	.004	.006		****	****	.260	.247	.304	
BUN	.054	.111	.015	****	****	****	.318	.309	.346	
SERUM CREATININE	.222	.017	.002	****	****	****	.346	.329	.425	
ALT (ala aminotransferase)	.169	.060	.030	****	****	****	.238	.224	.299	
AST (asp aminotransferase)	.097	.040	.020	****	****	****	.236	.213	.344	*
Gammagt (γ-glu-transferase)	.237	.138	.016	****	****	****	.341	.320	.428	
FIBRINOGEN	.065	.081	.002	****	****	**	.269	.243	.367	*
CHOLESTEROL	.001	.226	.007	*	****	****	.423	.373	.641	****
HDL	.112	.016	.006	****	****	****	.486	.471	.576	
LDL	.002	.179	.006	****	****	****	.425	.376	.659	****
TRIGLYCERIDES	.038	.113	.015	****	****	****	.322	.296	.423	*
IRON	.048	.002	.003	****	****	****	.193	.186	.223	
TRANSFERRIN	.024	.017	.004	****	****	****	.197	.188	.240	
BILIRUBIN, fractionated	.054	.016	.000	****	****		.346	.339	.385	
BILIRUBIN, total	.050	.009	.000	****	****		.422	.411	.472	
URIC ACID	.289	.082	.008	****	****	****	.342	.340	.353	
SODIUM	.003	.018	.003	****	****	****	.252	.252	.252	
POTASSIUM	.004	.043	.001	****	****		.185	.179	.209	
ESR (erythrocyte sed. rate)	.212	.056	.002	****	****	****	.409	.379	.564	**
CRP (C-reactive protein)	.002	.031	.001	****	****		.296	.274	.385	
TSH (thyroid stim. hormone)	.001	.026	.000		****		.382	.374	.410	
PSA	.000	.101	.000		****		.428	.396	.553	
Anthropometric Measures										
HEIGHT	.407	.143	.002	****	****	****	.798	.768	1.00	****
WEIGHT	.246	.114	.010	****	****	****	.499	.440	.811	****
WAIST	.126	.293	.008	****	****	****	.371	.312	.654	****
HIP	.000	.155	.009		****	****	.446	.379	.760	****
BMI (body mass index)	.030	.315	.012	****	****	****	.426	.355	.779	****

[1]: Effect of a covariate is the proportion of total phenotypic variance contributed to the covariate under the BASIC model
[2]: Column Signif is calculated based on a likelihood ratio test comparing a BASIC model with a dominance / household model
*: p-value < 0.05, **: p-value < 0.01, ***: p-value < 0.001, ****: p-value < 0.0005

Table 1B: Heritabilities for 98 quantitative traits under basic and dominance/household models

Traits	Effect of Covariates[1]			Basic Model				Dominance/Household Model[2]		
								Narrow H²	Broad H²	
	Sex	Age	Sex&Age	Sex	Age	Sex&Age	H²	σ_a^2/σ^2	$(\sigma_a^2+\sigma_d^2)/\sigma^2$	Signif
Cardiovascular Function										
systolic BP	.056	.293	.007	****	****	****	.253	.156	.651	****
diastolic BP	.034	.270	.005	****	****	****	.186	.121	.449	****
HR (heart rate)	.045	.002	.001	****	****		.272	.233	.414	**
diam_S	.154	.108	.005	****	****	****	.434	.384	.657	****
diam_D	.131	.207	.005	****	****	****	.449	.396	.688	****
IMT (intimal medial thickness)	.006	.457	.001	****	****	****	.186	.131	.385	***
PWV (pulse wave velocity)	.003	.592	.002	****	****	****	.226	.225	.227	
pulse pressure	.024	.171	.007	****	****	****	.210	.130	.540	****
mean BP	.050	.312	.005	****	****	****	.227	.144	.557	****
Wall/lumen	.027	.166	.006	****	****	****	.226	.195	.358	*
Vascular mass	.049	.483	.001	****	****	*	.297	.243	.484	**
normalized PWV	.005	.382	.000	****	****		.191	.191	.191	
QTC (QT interval on EKG)	.035	.066	.001	****	****		.163	.128	.282	*
PR (PR interval on EKG)	.019	.072	.001	****	****		.286	.275	.338	
PSV (peak systolic velocity)	.029	.551	.003	****	****	****	.325	.268	.568	****
EDV (end diastolic velocity)	.001	.319	.003	**	****	****	.184	.118	.430	****
IP (pulsatility index)	.106	.191	.002	****	****	****	.248	.171	.569	****
SD_ratio	.059	.143	.001	****	****	**	.264	.195	.549	****
AT (acceleration time)	.014	.028	.007	****	****	****	.089	.077	.139	
vti (integral time velocity)	.008	.249	.008	****	****	****	.258	.230	.366	*
Psychological Traits										
NEO N (neuroticism)	.075	.006	.000	****	****		.254	.208	.441	**
NEO E (extraversion)	.010	.091	.004	****	****	****	.253	.217	.389	*
NEO O (openness to experience)	.017	.169	.011	****	****	****	.328	.285	.531	***
NEO A (agreeableness)	.058	.117	.001	****	****	*	.232	.216	.296	
NEO C (conscientiousness)	.002	.053	.000	****	****		.204	.157	.374	**
NEO N1 (anxiety)	.123	.000	.003	****		****	.177	.140	.313	*
NEO N2 (angry hostility)	.005	.005	.000	****	****		.211	.186	.304	
NEO N3 (depression)	.047	.014	.000	****	****		.240	.202	.395	*
NEO N4 (self-consciousness)	.027	.000	.000	****			.192	.180	.240	
NEO N5 (impulsiveness)	.000	.118	.006		****	****	.149	.105	.332	**
NEO N6 (vulnerability)	.082	.013	.000	****	****		.140	.117	.219	
NEO E1 (warmth)	.003	.001	.002	****	*	***	.186	.186	.186	
NEO E2 (gregariousness)	.003	.049	.008	****	****	****	.222	.199	.303	
NEO E3 (assertiveness)	.026	.014	.004	****	****	****	.209	.149	.419	***
NEO E4 (activity)	.000	.007	.003		****	****	.186	.161	.277	
NEO E5 (excitement-seeking)	.080	.194	.004	****	****	****	.156	.115	.313	**
NEO E6 (positive emotions)	.000	.094	.005		****	****	.167	.149	.234	
NEO O1 (fantasy)	.009	.153	.009	****	****	****	.219	.206	.275	
NEO O2 (aesthetics)	.033	.009	.019	****	****	****	.254	.225	.374	*
NEO O3 (feelings)	.025	.054	.006	****	****	****	.148	.127	.237	
NEO O4 (actions)	.012	.068	.000	****	****		.189	.165	.279	
NEO O5 (ideas)	.000	.088	.004		****	****	.269	.243	.378	*
NEO O6 (values)	.001	.140	.005		****	****	.187	.149	.328	*
NEO A1 (trust)	.001	.034	.001		****	*	.202	.188	.253	
NEO A2 (straightforwardness)	.060	.066	.004	****	****	****	.189	.134	.413	***
NEO A3 (altruism)	.041	.008	.001	****	****	*	.151	.146	.171	
NEO A4 (compliance)	.009	.117	.003	****	****	****	.132	.132	.132	
NEO A5 (modesty)	.028	.052	.000	****	****		.148	.122	.250	
NEO A6 (tender-mindedness)	.032	.030	.003	****	****	****	.094	.077	.158	
NEO C1 (competence)	.013	.026	.002	****	****	**	.165	.129	.289	*
NEO C2 (order)	.002	.007	.000	**	****		.175	.165	.209	
NEO C3 (dutifulness)	.001	.074	.000	**	****		.120	.089	.234	*
NEO C4 (achievement striving)	.007	.005	.000	****	****		.114	.093	.185	
NEO C5 (self-discipline)	.002	.027	.001	****	****		.174	.123	.363	**
NEO C6 (deliberation)	.002	.070	.000	****	****		.154	.093	.364	***