

TABLE S3. TRAIT DATA SUMMARY STATISTICS

Trait	Female (mean(sd))	Male (mean(sd))	T-Test	Wilcoxon Test
Fasted Weight (g)	14.09 (0.99)	16.94 (1.73)	<2.2E-16	<2.2E-16
Fasting Glucose (mg/dL)	83.58 (20.39)	98.79 (24.30)	6.26E-05	6.19E-06
Length (cm)	88.80 (1.95)	92.28 (2.73)	1.28E-15	2.04E-14
Fat Pad Weight (g)	0.043 (0.02)	0.078 (0.04)	1.54E-11	1.88E-10
White Blood Count (K/uL)	6.31 (2.20)	5.95 (2.33)	3.60E-01	3.03E-01
Lymphocytes (K/uL)	5.15 (1.62)	4.90 (1.93)	4.14E-01	2.30E-01
Monocytes (K/uL)	0.31 (0.14)	0.29 (0.14)	4.86E-01	4.89E-01
Lymphocytes (%)	83.03 (4.47)	82.28 (4.14)	3.20E-01	3.36E-01
Basophils (%)	0.12 (0.13)	0.17 (0.18)	5.42E-01	5.00E-01
Red Blood Count (M/uL)	9.32 (1.00)	9.28 (0.97)	7.88E-01	7.54E-01
Hemoglobin (g/dL)	14.79 (1.58)	14.56 (1.73)	4.30E-01	4.83E-01
Hematocrit (%)	43.63 (4.08)	44.34 (4.29)	3.31E-01	9.99E-02
Mean Corpus Volume (fL)	46.88 (1.68)	47.84 (1.69)	1.28E-03	1.81E-04
Mean Corpuscular Hemoglobin (pg)	15.85 (0.36)	15.68 (0.88)	1.59E-01	8.23E-01
Mean Corpuscular Hemoglobin Concentration (g/dL)	33.87 (1.30)	32.86 (2.46)	3.44E-03	1.73E-05
Red Cell Distribution Width (%)	19.11 (1.00)	19.24 (1.09)	4.88E-01	3.14E-01
Platelets (K/uL)	562.90 (125.60)	656.14 (152.13)	1.73E-04	6.25E-06
Mean Platelet Volume (fL)	5.19 (0.39)	5.16 (0.44)	7.06E-01	5.19E-01

Granulocyte (K/uL)	0.75 (0.38)	0.75 (0.37)	9.95E-01	7.48E-01
Granulocyte (%)	12.6 (4.06)	13.17 (3.88)	4.11E-01	1.47E-01
RDWa	33.62 (1.00)	34.77 (1.41)	2.26E-06	6.63E-06

TABLE S4. MAIN EFFECT LOD SCORES FOR THE INTERVALS CONTAINING EPISTATIC TRAIT QTLS

Trait	Chromosome	SNP	Position (Mb)	LOD	p value
Lymphocytes (%)	4	rs13477644	35.28	0.393	0.182
	6	rs13478739	47.03	9.535e-5	0.982
Red Cell Distribution Width	6	rs13478633	12.25	0.316	0.966
	6	rs13478641	16.06	0.345	0.926