

Appendix Table 1. Multipoint Linkage Analysis for Fasting Insulin.

Chr	Position (cM)	LOD	Support Interval (cM)	P-value	Flanking Markers
1	218	0.47	196-254	0.141	D1S1660 / GATA124F08
2	20	0.11	14-24	0.475	D2S2952 / D2S1400
3	135	0.80	78-212	0.055	/ D3S2460
4	200	0.37	194 – qter	0.191	AAT031 / D4S1652
5	74	1.13	28-86	0.023	D5S2500 / GATA138B05
6	130	1.34	124-146	0.013	D6S1040 / D6S1009
7	87	1.05	38-110	0.028	D7S3046 / D7S2204
8	104	0.57	90-116	0.105	/ GATA8B01
9	0	0.00	--	1.000	
10	144	0.21	128-154	0.329	D10S1230 / D10S1222
11	60	0.09	50-66	0.519	D11S2006 / D11S2371
12	105	0.67	88-134	0.078	D12S1300 / PAH
13	104	0.14	100 – qter	0.429	D13S895 / AGAT113
14	14	0.18	8-22	0.366	D14S742 / ATA77F05
15	0	0.95	pter-50	0.036	/ AATA036
16	0	0.00	--	1.000	
17	54	3.30	38-59	$1.0 \times 10^{-4}$	D17S1294 / D17S1299
18	78	0.87	62-92	0.046	D18S851 / D18S858
19	58	0.49	14-88	0.135	D19S433 / mfd235
20	52	0.11	46-58	0.481	D20S477 / D20S489
21	0	0.00	--	1.000	
22	0	0.00	--	1.000	

Appendix Table 2. Multipoint Linkage Analysis of Fasting Glucose Levels.

Chr	Position (cM)	LOD	Support Interval (cM)	P-value	Flanking Markers
1	220	0.60	186 - 250	0.097	D1S1660 / GATA124F08
2	0	0.62	pter - 26	0.091	/ SRA
3	214	0.24	198 - qter	0.291	D3S2398 / D3S2418
4	56	0.11	52 - 60	0.487	D4S2632 / D4S1627
5	116	0.09	108 - 120	0.524	D5S1462 / D5S2501
6	97	0.72	30 - 120	0.069	D6S1031 / D6S1056
7	0	0.31	pter - 6	0.234	/ afm035xb9
8	4	0.33	pter - 16	0.216	/ ATT023
9	1	0.63	pter - 28	0.088	mfd455 / AAAAC001
10	4	0.31	pter - 28	0.231	/ D10S1435
11	2	0.37	pter - 20	0.191	/ D11S1984
12	166	0.18	134 - qter	0.363	D12S1045 / AAAAT002
13	14	0.39	pter - 44	0.178	D13S787 / ATA5A09
14	64	0.24	48 - 88	0.290	GGAA30H04 / D14S592
15	112	0.54	90 - qter	0.116	GATA197B10 / D15S642
16	130	0.01	128 - qter	0.853	/ D16S2621
17	58	1.44	36 - 68	0.010	D17S1294 / D17S1299
18	70	0.10	64 - 76	0.488	D18S535 / D18S851
19	58	0.50	40 - 68	0.128	D19S433 / mfd235
20	10	0.17	pter - 22	0.381	AAAT007 / D20S482
21	24	0.28	16 - 50	0.257	SNP385538 / D21S2052
22	58	0.95	42 - qter	0.037	D22S532 / TCTA015

Appendix Table 3. Allelic and Genotypic Association of Fasting Insulin with Chromosome 17 Genome Scan Markers.

Marker	Global Allele Association			Global Genotypic Association		
	DF	$\chi^2$	P-value	DF	$\chi^2$	P-value
D17S1308	6	4.82	0.57	15	9.59	0.84
GATA158H04	7	6.39	0.50	21	14.27	0.86
D17S974	7	7.00	0.43	21	17.97	0.65
ATA78D02	22	11.99	0.21	22	30.86	0.10
D17S2196	8	5.26	0.73	30	19.26	0.93
D17S1294	9	7.34	0.60	22	16.60	0.78
D17S1299	8	9.51	0.30	20	22.94	0.29
SNP427776	10	11.80	0.30	35	29.26	0.74
AAT245	11	20.29	0.04	30	31.40	0.40
D17S1290	12	14.34	0.28	51	37.74	0.92
D17S2193	17	21.42	0.21	36	41.09	0.26
D17S1301	6	0.87	0.99	15	12.91	0.61
TTCA006	6	6.74	0.35	14	17.96	0.21
AAT095	10	9.95	0.45	30	25.56	0.70

Appendix Table 4. Allelic and Genotypic Association of Fasting Glucose with Chromosome 17 Genome Scan Markers.

Marker	Global Allele Association			Global Genotypic Association		
	DF	$\chi^2$	P-value	DF	$\chi^2$	P-value
D17S1308	6	6.31	0.39	15	16.38	0.36
GATA158H04	7	5.70	0.58	21	12.85	0.91
D17S974	7	5.39	0.61	21	14.64	0.84
ATA78D02	9	9.54	0.39	22	20.33	0.56
D17S2196	8	8.50	0.39	30	38.15	0.15
D17S1294	9	5.82	0.76	22	14.89	0.87
D17S1299	8	16.52	0.04	20	28.46	0.10
SNP427776	10	13.04	0.22	35	31.02	0.66
AAT245	11	12.59	0.32	30	33.59	0.30
D17S1290	12	15.45	0.22	51	57.97	0.23
D17S2193	17	22.51	0.17	36	33.93	0.57
D17S1301	6	2.72	0.84	15	19.02	0.21
TTCA006	6	5.80	0.45	14	12.10	0.60
AAT095	10	11.26	0.34	30	34.30	0.27