

Supplementary Table 1. Families with affected-sib pairs (ASP) for Major Depressive Disorder in the Australian (AUS) and Finnish (FIN) NAG linkage samples

	Australian (N=91)	Finnish (N=25)
Number of MDD ASP	187	33
Number of MDD Affected Offspring	216	54
Number of MDD Unaffected Offspring	132	63
Number of parents genotyped (microsatellites)	120	5
Mean Age of Offspring (years, standard deviation)	40.2 (7.5)	56.1 (7.2)
% Female	58.1	51.3

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
1	D1S468	-0.21	4.000	-0.32
1	.	.	6.000	-0.28
1	.	.	8.000	-0.21
1	.	.	10.000	-0.14
1	.	.	12.000	-0.08
1	D1S214	0.00	12.054	.
1	.	.	14.000	-0.09
1	.	.	16.000	-0.14
1	D1S450	-0.35	16.610	.
1	.	.	18.000	-0.14
1	D1S2667	-0.05	19.880	.
1	.	.	20.000	-0.11
1	.	.	22.000	-0.10
1	.	.	24.000	-0.08
1	.	.	26.000	-0.05
1	.	.	28.000	-0.03
1	D1S2697	0.08	29.253	.
1	.	.	30.000	0.00
1	.	.	32.000	0.01
1	.	.	34.000	0.05
1	.	.	36.000	0.12
1	D1S199	0.39	37.480	.
1	.	.	38.000	0.20
1	.	.	40.000	0.33
1	.	.	42.000	0.52
1	.	.	44.000	0.77
1	D1S234	0.58	44.490	.
1	.	.	46.000	0.87
1	.	.	48.000	0.88
1	.	.	50.000	0.86
1	.	.	52.000	0.78
1	.	.	54.000	0.67
1	.	.	56.000	0.54
1	.	.	58.000	0.39
1	D1S255	0.28	58.660	.
1	.	.	60.000	0.34
1	.	.	62.000	0.32
1	.	.	64.000	0.29
1	.	.	66.000	0.25
1	.	.	68.000	0.21
1	D1S2797	0.23	68.900	.
1	.	.	70.000	0.20
1	.	.	72.000	0.20
1	.	.	74.000	0.19
1	.	.	76.000	0.18

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
1		.	78.000	0.17
1		.	80.000	0.15
1	D1S2890	0.30	80.900	.
1		.	82.000	0.11
1		.	84.000	0.04
1		.	86.000	0.00
1		.	88.000	-0.01
1	D1S230	-0.03	88.120	.
1		.	90.000	-0.01
1		.	92.000	-0.01
1		.	94.000	0.00
1		.	96.000	0.00
1		.	98.000	0.00
1		.	100.000	0.00
1		.	102.000	0.01
1	D1S2841	0.06	103.820	.
1		.	104.000	0.01
1		.	106.000	0.00
1	D1S207	0.00	107.160	.
1		.	108.000	-0.01
1		.	110.000	0.00
1		.	112.000	0.00
1		.	114.000	0.00
1		.	116.000	0.00
1	D1S2868	0.00	116.640	.
1		.	118.000	0.00
1		.	120.000	-0.01
1		.	122.000	-0.01
1	D1S206	-0.01	122.640	.
1		.	124.000	-0.01
1		.	126.000	0.00
1		.	128.000	0.00
1		.	130.000	0.00
1		.	132.000	0.00
1	D1S2726	0.02	132.110	.
1		.	134.000	0.00
1		.	136.000	0.00
1		.	138.000	0.00
1	D1S252	-0.10	139.160	.
1		.	140.000	0.00
1		.	142.000	0.00
1		.	144.000	0.02
1	D1S498	-0.02	144.940	.
1		.	146.000	0.04
1		.	148.000	0.06

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
1		.	150.000	0.09
1		.	152.000	0.12
1		.	154.000	0.17
1		.	156.000	0.22
1	D1S484	0.29	157.510	.
1		.	158.000	0.28
1		.	160.000	0.37
1		.	162.000	0.44
1		.	164.000	0.48
1	D1S2878	0.77	165.780	.
1		.	166.000	0.50
1		.	168.000	0.53
1	D1S196	0.67	169.400	.
1		.	170.000	0.53
1		.	172.000	0.58
1		.	174.000	0.58
1		.	176.000	0.54
1	D1S218	0.19	176.300	.
1		.	178.000	0.62
1		.	180.000	0.71
1		.	182.000	0.78
1		.	184.000	0.81
1		.	186.000	0.80
1		.	188.000	0.77
1	D1S238	0.23	188.550	.
1		.	190.000	0.75
1		.	192.000	0.71
1		.	194.000	0.63
1	D1S413	0.92	194.980	.
1		.	196.000	0.54
1		.	198.000	0.44
1		.	200.000	0.32
1		.	202.000	0.21
1		.	204.000	0.11
1		.	206.000	0.05
1	D1S249	0.05	207.070	.
1		.	208.000	0.03
1		.	210.000	0.05
1		.	212.000	0.07
1		.	214.000	0.08
1	D1S425	-0.01	215.070	.
1		.	216.000	0.09
1		.	218.000	0.13
1		.	220.000	0.17
1		.	222.000	0.20

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
1	.	.	224.000	0.21
1	.	.	226.000	0.21
1	.	.	228.000	0.19
1	D1S213	0.14	228.260	.
1	.	.	230.000	0.23
1	.	.	232.000	0.29
1	.	.	234.000	0.35
1	.	.	236.000	0.43
1	.	.	238.000	0.51
1	.	.	240.000	0.58
1	D1S2800	0.79	240.769	.
1	.	.	242.000	0.62
1	.	.	244.000	0.64
1	.	.	246.000	0.64
1	.	.	248.000	0.64
1	.	.	250.000	0.62
1	.	.	252.000	0.59
1	.	.	254.000	0.56
1	.	.	256.000	0.52
1	D1S2785	0.49	257.460	.
1	.	.	258.000	0.50
1	.	.	260.000	0.48
1	D1S2842	0.14	261.860	.
1	.	.	262.000	0.42
1	.	.	264.000	0.53
1	.	.	266.000	0.64
1	.	.	268.000	0.76
1	.	.	270.000	0.87
1	D1S2836	0.96	271.840	.
1	.	.	272.000	0.96
2	D2S319	-0.54	7.600	-0.83
2	.	.	9.600	-0.84
2	.	.	11.600	-0.85
2	.	.	13.600	-0.86
2	.	.	15.600	-0.86
2	.	.	17.600	-0.87
2	D2S2211	-0.82	17.732	.
2	.	.	19.600	-0.71
2	.	.	21.600	-0.50
2	D2S162	-0.43	22.730	.
2	.	.	23.600	-0.39
2	.	.	25.600	-0.45
2	.	.	27.600	-0.49
2	D2S168	-0.56	28.920	.
2	.	.	29.600	-0.48

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
2	.	.	31.600	-0.41
2	.	.	33.600	-0.32
2	.	.	35.600	-0.23
2	.	.	37.600	-0.14
2	.	.	39.600	-0.07
2	D2S305	-0.02	41.334	.
2	.	.	41.600	-0.03
2	.	.	43.600	-0.02
2	.	.	45.600	-0.01
2	.	.	47.600	0.00
2	.	.	49.600	0.00
2	D2S165	-0.06	50.916	.
2	.	.	51.600	0.00
2	.	.	53.600	-0.02
2	.	.	55.600	-0.04
2	.	.	57.600	-0.04
2	D2S367	-0.01	57.890	.
2	.	.	59.600	-0.04
2	.	.	61.600	-0.04
2	.	.	63.600	-0.04
2	.	.	65.600	-0.03
2	D2S2259	0.02	67.060	.
2	.	.	67.600	-0.01
2	.	.	69.600	0.00
2	.	.	71.600	0.02
2	D2S391	0.11	72.330	.
2	.	.	73.600	0.04
2	.	.	75.600	0.05
2	.	.	77.600	0.07
2	.	.	79.600	0.10
2	.	.	81.600	0.12
2	.	.	83.600	0.14
2	D2S337	0.16	83.980	.
2	.	.	85.600	0.21
2	.	.	87.600	0.29
2	D2S2368	0.03	89.240	.
2	.	.	89.600	0.34
2	.	.	91.600	0.36
2	.	.	93.600	0.37
2	.	.	95.600	0.37
2	.	.	97.600	0.34
2	.	.	99.600	0.30
2	D2S286	0.49	99.990	.
2	.	.	101.600	0.20
2	.	.	103.600	0.10

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
2		.	105.600	0.03
2		.	107.600	0.00
2	D2S2333	0.00	108.810	.
2		.	109.600	0.00
2	D2S2216	0.02	111.480	.
2		.	111.600	0.00
2		.	113.600	0.00
2		.	115.600	0.00
2		.	117.600	0.00
2		.	119.600	0.00
2		.	121.600	-0.01
2		.	123.600	-0.01
2	D2S160	0.00	124.940	.
2		.	125.600	-0.04
2		.	127.600	-0.13
2		.	129.600	-0.28
2		.	131.600	-0.43
2		.	133.600	-0.58
2	D2S347	-0.68	135.310	.
2		.	135.600	-0.70
2		.	137.600	-0.69
2		.	139.600	-0.68
2		.	141.600	-0.66
2		.	143.600	-0.63
2		.	145.600	-0.60
2	D2S112	-0.14	145.710	.
2		.	147.600	-0.50
2		.	149.600	-0.40
2		.	151.600	-0.28
2		.	153.600	-0.16
2		.	155.600	-0.07
2	D2S151	0.00	157.500	.
2		.	157.600	-0.02
2		.	159.600	0.01
2		.	161.600	0.15
2		.	163.600	0.42
2	D2S142	0.47	165.190	.
2		.	165.600	0.68
2		.	167.600	0.64
2		.	169.600	0.51
2	D2S2330	0.11	171.100	.
2		.	171.600	0.40
2		.	173.600	0.38
2		.	175.600	0.34
2		.	177.600	0.28

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
2	D2S335	0.07	177.980	.
2	.	.	179.600	0.27
2	.	.	181.600	0.25
2	.	.	183.600	0.21
2	.	.	185.600	0.16
2	.	.	187.600	0.11
2	D2S364	0.07	187.670	.
2	.	.	189.600	0.06
2	.	.	191.600	0.01
2	.	.	193.600	0.00
2	D2S117	-0.02	194.630	.
2	.	.	195.600	-0.03
2	.	.	197.600	-0.06
2	.	.	199.600	-0.08
2	.	.	201.600	-0.10
2	.	.	203.600	-0.10
2	D2S325	-0.06	204.880	.
2	.	.	205.600	-0.08
2	.	.	207.600	-0.04
2	.	.	209.600	-0.01
2	.	.	211.600	0.00
2	.	.	213.600	0.00
2	D2S2382	0.10	213.820	.
2	.	.	215.600	0.00
2	.	.	217.600	0.00
2	.	.	219.600	0.01
2	.	.	221.600	0.01
2	D2S126	0.04	223.350	.
2	.	.	223.600	0.01
2	.	.	225.600	0.01
2	.	.	227.600	0.01
2	.	.	229.600	0.02
2	.	.	231.600	0.02
2	.	.	233.600	0.03
2	D2S396	0.30	235.363	.
2	.	.	235.600	0.03
2	.	.	237.600	0.00
2	.	.	239.600	-0.02
2	D2S206	-0.17	240.030	.
2	.	.	241.600	-0.04
2	.	.	243.600	-0.04
2	.	.	245.600	-0.04
2	.	.	247.600	-0.03
2	D2S338	-0.01	248.370	.
2	.	.	249.600	-0.04

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score



Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
2		.	251.600	-0.06
2		.	253.600	-0.08
2		.	255.600	-0.11
2		.	257.600	-0.12
2	D2S125	-0.30	258.190	.
2		.	259.600	-0.12
3	D3S1297	0.59	4.888	0.68
3		.	6.888	1.03
3		.	8.888	1.47
3		.	10.888	1.97
3		.	12.888	2.47
3		.	14.888	2.92
3		.	16.888	3.28
3		.	18.888	3.53
3	D3S1304	3.73	19.610	.
3		.	20.888	3.85
3		.	22.888	4.09
3		.	24.888	4.14
3		.	26.888	4.00
3		.	28.888	3.72
3	D3S1263	2.93	29.620	.
3		.	30.888	3.31
3		.	32.888	2.83
3		.	34.888	2.31
3		.	36.888	1.78
3	D3S2338	0.75	37.490	.
3		.	38.888	1.53
3		.	40.888	1.33
3		.	42.888	1.07
3		.	44.888	0.78
3		.	46.888	0.49
3		.	48.888	0.25
3	D3S1266	0.02	50.530	.
3		.	50.888	0.11
3		.	52.888	0.10
3		.	54.888	0.07
3		.	56.888	0.05
3		.	58.888	0.02
3	D3S1277	0.04	60.074	.
3		.	60.888	0.01
3		.	62.888	0.01
3		.	64.888	0.00
3		.	66.888	0.00
3		.	68.888	0.00
3		.	70.888	0.00

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
3		.	72.888	0.00
3	D3S1289	0.01	73.730	.
3		.	74.888	0.00
3		.	76.888	0.00
3		.	78.888	0.00
3		.	80.888	-0.01
3	D3S1300	0.04	82.220	.
3		.	82.888	-0.01
3		.	84.888	-0.04
3		.	86.888	-0.07
3		.	88.888	-0.11
3	D3S1285	-0.26	89.280	.
3		.	90.888	-0.23
3		.	92.888	-0.42
3	D3S1566	-0.59	94.760	.
3		.	94.888	-0.58
3		.	96.888	-0.52
3		.	98.888	-0.45
3		.	100.888	-0.36
3		.	102.888	-0.26
3		.	104.888	-0.16
3		.	106.888	-0.09
3	D3S3681	-0.08	107.430	.
3		.	108.888	-0.06
3		.	110.888	-0.06
3	D3S1271	-0.22	112.280	.
3		.	112.888	-0.07
3		.	114.888	-0.07
3		.	116.888	-0.05
3		.	118.888	-0.03
3		.	120.888	-0.01
3	D3S1278	-0.01	122.740	.
3		.	122.888	0.00
3		.	124.888	-0.01
3		.	126.888	-0.02
3		.	128.888	-0.02
3	D3S1267	-0.01	130.304	.
3		.	130.888	-0.02
3		.	132.888	-0.01
3		.	134.888	0.00
3		.	136.888	0.00
3	D3S1292	0.00	138.820	.
3		.	138.888	0.01
3		.	140.888	0.02
3		.	142.888	0.06

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
3	.	.	144.888	0.12
3	.	.	146.888	0.20
3	.	.	148.888	0.29
3	D3S1569	0.09	150.580	.
3	.	.	150.888	0.36
3	.	.	152.888	0.25
3	.	.	154.888	0.15
3	.	.	156.888	0.06
3	.	.	158.888	0.02
3	D3S1279	0.01	160.190	.
3	.	.	160.888	0.00
3	.	.	162.888	0.00
3	.	.	164.888	-0.02
3	.	.	166.888	-0.04
3	.	.	168.888	-0.06
3	D3S1614	-0.41	169.980	.
3	.	.	170.888	-0.06
3	.	.	172.888	-0.04
3	.	.	174.888	-0.01
3	.	.	176.888	0.00
3	D3S1565	-0.02	177.940	.
3	.	.	178.888	0.02
3	.	.	180.888	0.04
3	.	.	182.888	0.07
3	.	.	184.888	0.12
3	.	.	186.888	0.17
3	.	.	188.888	0.22
3	.	.	190.888	0.28
3	.	.	192.888	0.32
3	D3S1262	0.65	194.330	.
3	.	.	194.888	0.36
3	.	.	196.888	0.41
3	.	.	198.888	0.44
3	.	.	200.888	0.45
3	D3S1580	0.48	202.000	.
3	.	.	202.888	0.53
3	.	.	204.888	0.72
3	.	.	206.888	0.87
3	D3S1601	1.39	208.140	.
3	.	.	208.888	0.90
3	.	.	210.888	0.75
3	.	.	212.888	0.56
3	.	.	214.888	0.36
3	.	.	216.888	0.18
3	.	.	218.888	0.06

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
3	D3S1311	0.00	220.190	.
3	.	.	220.888	0.01
4	D4S412	0.03	4.420	0.00
4	.	.	6.420	-0.01
4	.	.	8.420	-0.03
4	.	.	10.420	-0.07
4	.	.	12.420	-0.12
4	D4S2935	-0.07	12.849	.
4	.	.	14.420	-0.17
4	.	.	16.420	-0.22
4	.	.	18.420	-0.26
4	.	.	20.420	-0.30
4	.	.	22.420	-0.34
4	.	.	24.420	-0.37
4	.	.	26.420	-0.39
4	D4S403	-0.12	26.710	.
4	.	.	28.420	-0.41
4	.	.	30.420	-0.43
4	.	.	32.420	-0.44
4	.	.	34.420	-0.46
4	D4S419	-0.17	34.970	.
4	.	.	36.420	-0.43
4	.	.	38.420	-0.37
4	.	.	40.420	-0.29
4	.	.	42.420	-0.21
4	.	.	44.420	-0.12
4	.	.	46.420	-0.06
4	D4S391	-0.09	47.330	.
4	.	.	48.420	-0.03
4	.	.	50.420	-0.03
4	.	.	52.420	-0.02
4	.	.	54.420	-0.01
4	.	.	56.420	-0.01
4	.	.	58.420	0.00
4	D4S405	-0.02	60.230	.
4	.	.	60.420	0.00
4	.	.	62.420	0.00
4	.	.	64.420	0.00
4	.	.	66.420	0.01
4	.	.	68.420	0.02
4	.	.	70.420	0.02
4	.	.	72.420	0.03
4	D4S1592	-0.03	72.710	.
4	.	.	74.420	0.06
4	.	.	76.420	0.07

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
4		.	78.420	0.06
4	D4S392	0.00	80.380	.
4		.	80.420	0.03
4		.	82.420	0.03
4		.	84.420	0.02
4		.	86.420	0.01
4		.	88.420	0.01
4	D4S2964	-0.18	88.450	.
4		.	90.420	0.01
4		.	92.420	0.02
4	D4S1534	-0.01	93.190	.
4		.	94.420	0.03
4		.	96.420	0.05
4		.	98.420	0.06
4	D4S414	0.00	100.160	.
4		.	100.420	0.06
4		.	102.420	0.03
4		.	104.420	0.01
4		.	106.420	0.00
4	D4S1572	-0.09	107.520	.
4		.	108.420	0.00
4		.	110.420	0.00
4		.	112.420	0.00
4		.	114.420	0.00
4	D4S406	0.01	114.740	.
4		.	116.420	0.00
4		.	118.420	0.01
4		.	120.420	0.04
4	D4S402	0.09	122.100	.
4		.	122.420	0.06
4		.	124.420	0.01
4		.	126.420	-0.01
4		.	128.420	-0.08
4		.	130.420	-0.22
4	D4S1575	-0.05	131.590	.
4		.	132.420	-0.36
4		.	134.420	-0.46
4		.	136.420	-0.54
4		.	138.420	-0.62
4	D4S424	-0.76	138.870	.
4		.	140.420	-0.67
4		.	142.420	-0.71
4		.	144.420	-0.74
4		.	146.420	-0.77
4		.	148.420	-0.78

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
4		.	150.420	-0.79
4	D4S413	-0.76	152.243	.
4		.	152.420	-0.80
4		.	154.420	-0.84
4		.	156.420	-0.88
4		.	158.420	-0.90
4		.	160.420	-0.92
4		.	162.420	-0.92
4	D4S1597	-0.59	163.650	.
4		.	164.420	-0.92
4		.	166.420	-0.91
4		.	168.420	-0.88
4	D4S1539	-0.41	170.010	.
4		.	170.420	-0.83
4		.	172.420	-0.77
4	D4S415	-0.29	173.240	.
4		.	174.420	-0.74
4		.	176.420	-0.72
4		.	178.420	-0.69
4		.	180.420	-0.67
4		.	182.420	-0.64
4		.	184.420	-0.60
4		.	186.420	-0.56
4		.	188.420	-0.52
4	D4S1535	-0.50	189.380	.
4		.	190.420	-0.47
4		.	192.420	-0.43
4		.	194.420	-0.38
4		.	196.420	-0.33
4		.	198.420	-0.28
4		.	200.420	-0.22
4		.	202.420	-0.17
4	D4S426	-0.01	202.690	.
4		.	204.420	-0.16
5	D5S1981	0.00	1.190	0.01
5		.	3.190	0.00
5		.	5.190	-0.02
5		.	7.190	-0.07
5		.	9.190	-0.12
5		.	11.190	-0.18
5	D5S406	-0.35	12.360	.
5		.	13.190	-0.23
5		.	15.190	-0.28
5		.	17.190	-0.31
5		.	19.190	-0.33

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
5		.	21.190	-0.32
5		.	23.190	-0.31
5	D5S2095	-0.15	23.440	.
5		.	25.190	-0.25
5		.	27.190	-0.19
5		.	29.190	-0.12
5		.	31.190	-0.07
5		.	33.190	-0.03
5		.	35.190	-0.01
5	D5S416	0.05	36.733	.
5		.	37.190	0.00
5		.	39.190	-0.01
5		.	41.190	-0.01
5		.	43.190	-0.03
5		.	45.190	-0.04
5	D5S419	-0.05	46.200	.
5		.	47.190	-0.04
5		.	49.190	-0.03
5		.	51.190	-0.03
5		.	53.190	-0.02
5		.	55.190	-0.02
5	D5S426	0.00	56.810	.
5		.	57.190	-0.02
5		.	59.190	-0.01
5		.	61.190	0.00
5		.	63.190	0.00
5	D5S418	-0.01	64.560	.
5		.	65.190	0.00
5		.	67.190	0.00
5		.	69.190	0.01
5		.	71.190	0.01
5	D5S407	-0.02	71.922	.
5		.	73.190	0.00
5		.	75.190	0.00
5		.	77.190	0.00
5	D5S647	-0.01	78.889	.
5		.	79.190	0.00
5		.	81.190	0.00
5		.	83.190	0.00
5		.	85.190	0.00
5		.	87.190	0.00
5		.	89.190	0.00
5	D5S424	-0.01	90.870	.
5		.	91.190	0.00
5		.	93.190	0.00

LOD\_sp: single-point linkage LOD score  
LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
5		.	95.190	-0.01
5		.	97.190	-0.03
5	D5S641	-0.31	99.098	.
5		.	99.190	-0.05
5		.	101.190	-0.02
5	D5S428	0.00	101.880	.
5		.	103.190	0.00
5		.	105.190	0.02
5		.	107.190	0.09
5	D5S644	0.29	108.550	.
5		.	109.190	0.21
5		.	111.190	0.44
5	D5S433	1.06	112.580	.
5		.	113.190	0.61
5		.	115.190	0.55
5		.	117.190	0.48
5	D5S2027	0.55	118.120	.
5		.	119.190	0.42
5		.	121.190	0.37
5		.	123.190	0.32
5	D5S471	0.60	124.980	.
5		.	125.190	0.27
5		.	127.190	0.32
5		.	129.190	0.35
5		.	131.190	0.38
5		.	133.190	0.39
5		.	135.190	0.39
5	D5S2115	0.29	136.750	.
5		.	137.190	0.38
5		.	139.190	0.41
5		.	141.190	0.42
5		.	143.190	0.41
5		.	145.190	0.38
5	D5S436	0.69	147.140	.
5		.	147.190	0.34
5		.	149.190	0.32
5		.	151.190	0.29
5		.	153.190	0.24
5		.	155.190	0.19
5		.	157.190	0.14
5	D5S410	0.13	158.440	.
5		.	159.190	0.13
5		.	161.190	0.17
5		.	163.190	0.20
5		.	165.190	0.23

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score



Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
5	D5S422	0.20	166.117	.
5	.	.	167.190	0.25
5	.	.	169.190	0.25
5	.	.	171.190	0.24
5	.	.	173.190	0.21
5	.	.	175.190	0.17
5	D5S400	0.06	177.010	.
5	.	.	177.190	0.14
5	.	.	179.190	0.14
5	.	.	181.190	0.13
5	.	.	183.190	0.13
5	.	.	185.190	0.12
5	.	.	187.190	0.12
5	.	.	189.190	0.12
5	.	.	191.190	0.13
5	.	.	193.190	0.13
5	.	.	195.190	0.13
5	.	.	197.190	0.14
5	.	.	199.190	0.14
5	.	.	201.190	0.15
5	.	.	203.190	0.15
5	D5S408	0.11	205.050	.
5	.	.	205.190	0.16
6	D6S1574	0.26	15.180	0.15
6	.	.	17.180	0.09
6	.	.	19.180	0.05
6	D6S309	-0.01	20.500	.
6	.	.	21.180	0.02
6	.	.	23.180	0.02
6	D6S470	0.06	23.750	.
6	.	.	25.180	0.03
6	.	.	27.180	0.06
6	.	.	29.180	0.08
6	.	.	31.180	0.09
6	.	.	33.180	0.08
6	D6S289	0.38	34.610	.
6	.	.	35.180	0.09
6	.	.	37.180	0.14
6	.	.	39.180	0.18
6	.	.	41.180	0.19
6	D6S422	0.04	42.830	.
6	.	.	43.180	0.18
6	.	.	45.180	0.18
6	.	.	47.180	0.17
6	D6S276	0.10	47.930	.

LOD\_sp: single-point linkage LOD score  
LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
6	.	.	49.180	0.15
6	.	.	51.180	0.13
6	.	.	53.180	0.10
6	.	.	55.180	0.08
6	.	.	57.180	0.05
6	D6S1610	0.00	58.468	.
6	.	.	59.180	0.03
6	.	.	61.180	0.02
6	.	.	63.180	0.01
6	.	.	65.180	0.01
6	.	.	67.180	0.00
6	.	.	69.180	0.00
6	.	.	71.180	0.00
6	.	.	73.180	0.00
6	.	.	75.180	-0.01
6	.	.	77.180	-0.01
6	.	.	79.180	-0.01
6	D6S257	0.00	79.520	.
6	.	.	81.180	-0.01
6	.	.	83.180	-0.01
6	.	.	85.180	-0.01
6	.	.	87.180	-0.01
6	.	.	89.180	-0.01
6	D6S460	0.02	90.580	.
6	.	.	91.180	-0.01
6	.	.	93.180	0.00
6	.	.	95.180	0.00
6	.	.	97.180	0.00
6	D6S462	0.00	97.756	.
6	.	.	99.180	0.00
6	.	.	101.180	0.00
6	.	.	103.180	0.01
6	.	.	105.180	0.02
6	D6S434	0.19	106.203	.
6	.	.	107.180	0.03
6	.	.	109.180	0.04
6	.	.	111.180	0.04
6	.	.	113.180	0.05
6	.	.	115.180	0.05
6	.	.	117.180	0.05
6	.	.	119.180	0.05
6	D6S287	0.04	119.550	.
6	.	.	121.180	0.06
6	.	.	123.180	0.07
6	.	.	125.180	0.08

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
6		.	127.180	0.08
6		.	129.180	0.08
6	D6S262	0.08	130.730	.
6		.	131.180	0.06
6		.	133.180	0.01
6		.	135.180	-0.01
6	D6S292	0.00	136.389	.
6		.	137.180	-0.06
6		.	139.180	-0.14
6		.	141.180	-0.25
6		.	143.180	-0.39
6	D6S308	-0.24	144.820	.
6		.	145.180	-0.50
6		.	147.180	-0.56
6		.	149.180	-0.59
6		.	151.180	-0.60
6		.	153.180	-0.58
6		.	155.180	-0.55
6		.	157.180	-0.49
6		.	159.180	-0.40
6	D6S441	-0.21	160.291	.
6		.	161.180	-0.32
6		.	163.180	-0.28
6		.	165.180	-0.24
6		.	167.180	-0.20
6		.	169.180	-0.16
6	D6S1581	-0.09	169.883	.
6		.	171.180	-0.14
6		.	173.180	-0.11
6		.	175.180	-0.07
6		.	177.180	-0.04
6		.	179.180	-0.01
6	D6S264	0.03	180.947	.
6		.	181.180	0.00
6		.	183.180	-0.01
6		.	185.180	-0.01
6		.	187.180	-0.01
6	D6S281	0.00	188.380	.
6	D6S446	-0.03	189.160	.
6		.	189.180	0.00
7	D7S531	-0.23	7.512	-0.25
7	D7S517	-0.19	8.690	.
7		.	9.512	-0.23
7		.	11.512	-0.20
7		.	13.512	-0.16

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
7	.	.	15.512	-0.11
7	.	.	17.512	-0.07
7	.	.	19.512	-0.04
7	.	.	21.512	-0.02
7	D7S513	-0.07	22.620	.
7	.	.	23.512	-0.01
7	.	.	25.512	-0.01
7	.	.	27.512	-0.01
7	.	.	29.512	-0.01
7	D7S507	0.01	31.510	.
7	.	.	31.512	-0.01
7	.	.	33.512	0.00
7	.	.	35.512	0.02
7	D7S493	0.08	36.920	.
7	.	.	37.512	0.04
7	.	.	39.512	0.06
7	.	.	41.512	0.07
7	.	.	43.512	0.08
7	D7S516	0.16	44.272	.
7	.	.	45.512	0.10
7	.	.	47.512	0.14
7	.	.	49.512	0.16
7	.	.	51.512	0.18
7	.	.	53.512	0.18
7	D7S484	0.00	54.650	.
7	.	.	55.512	0.17
7	.	.	57.512	0.15
7	.	.	59.512	0.12
7	D7S510	0.05	60.483	.
7	.	.	61.512	0.06
7	.	.	63.512	0.01
7	.	.	65.512	-0.01
7	.	.	67.512	-0.04
7	D7S519	-0.11	68.660	.
7	.	.	69.512	-0.09
7	.	.	71.512	-0.13
7	.	.	73.512	-0.16
7	.	.	75.512	-0.20
7	.	.	77.512	-0.22
7	D7S502	-0.21	79.279	.
7	.	.	79.512	-0.23
7	.	.	81.512	-0.26
7	.	.	83.512	-0.29
7	.	.	85.512	-0.30
7	.	.	87.512	-0.29

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
7	D7S669	-0.27	89.390	.
7	.	.	89.512	-0.27
7	.	.	91.512	-0.24
7	.	.	93.512	-0.19
7	.	.	95.512	-0.15
7	.	.	97.512	-0.11
7	.	.	99.512	-0.07
7	D7S630	-0.03	99.930	.
7	.	.	101.512	-0.10
7	D7S657	-0.15	103.470	.
7	.	.	103.512	-0.14
7	.	.	105.512	-0.13
7	.	.	107.512	-0.11
7	.	.	109.512	-0.09
7	D7S515	-0.12	111.290	.
7	.	.	111.512	-0.07
7	.	.	113.512	-0.07
7	.	.	115.512	-0.05
7	.	.	117.512	-0.03
7	.	.	119.512	-0.01
7	.	.	121.512	0.00
7	D7S486	0.00	122.440	.
7	.	.	123.512	0.00
7	.	.	125.512	0.02
7	.	.	127.512	0.06
7	.	.	129.512	0.11
7	D7S530	0.19	130.700	.
7	.	.	131.512	0.16
7	.	.	133.512	0.21
7	.	.	135.512	0.24
7	.	.	137.512	0.27
7	D7S640	0.60	138.750	.
7	.	.	139.512	0.27
7	.	.	141.512	0.22
7	.	.	143.512	0.16
7	.	.	145.512	0.11
7	D7S684	0.13	146.679	.
7	.	.	147.512	0.06
7	.	.	149.512	0.01
7	.	.	151.512	0.00
7	D7S661	-0.06	151.860	.
7	.	.	153.512	0.00
7	.	.	155.512	-0.01
7	.	.	157.512	-0.01
7	.	.	159.512	-0.02

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
7		.	161.512	-0.02
7	D7S636	-0.15	162.422	.
7		.	163.512	-0.02
7		.	165.512	-0.01
7		.	167.512	-0.02
7		.	169.512	-0.02
7	D7S798	-0.03	169.870	.
7		.	171.512	-0.05
7		.	173.512	-0.09
7		.	175.512	-0.12
7		.	177.512	-0.14
7		.	179.512	-0.15
7		.	181.512	-0.14
7	D7S2465	-0.26	181.668	.
7		.	183.512	-0.13
8	D8S264	-0.32	3.360	-0.24
8		.	5.360	-0.26
8		.	7.360	-0.26
8		.	9.360	-0.24
8		.	11.360	-0.20
8		.	13.360	-0.16
8	D8S277	-0.13	15.230	.
8		.	15.360	-0.13
8		.	17.360	-0.15
8		.	19.360	-0.14
8	D8S550	0.00	20.089	.
8		.	21.360	-0.15
8		.	23.360	-0.17
8		.	25.360	-0.17
8	D8S549	-0.20	26.310	.
8		.	27.360	-0.15
8		.	29.360	-0.13
8		.	31.360	-0.10
8		.	33.360	-0.08
8	D8S258	0.13	34.880	.
8		.	35.360	-0.06
8		.	37.360	-0.06
8		.	39.360	-0.06
8		.	41.360	-0.05
8		.	43.360	-0.05
8	D8S1771	0.00	43.740	.
8		.	45.360	-0.01
8		.	47.360	0.01
8		.	49.360	0.08
8		.	51.360	0.23

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
8		.	53.360	0.44
8	D8S505	1.24	54.230	.
8		.	55.360	0.48
8		.	57.360	0.38
8		.	59.360	0.27
8		.	61.360	0.17
8		.	63.360	0.09
8		.	65.360	0.03
8		.	67.360	0.01
8	D8S285	0.00	68.310	.
8		.	69.360	0.00
8		.	71.360	-0.02
8		.	73.360	-0.07
8	D8S260	-0.39	73.600	.
8		.	75.360	-0.11
8		.	77.360	-0.16
8		.	79.360	-0.22
8		.	81.360	-0.28
8		.	83.360	-0.33
8		.	85.360	-0.38
8		.	87.360	-0.43
8		.	89.360	-0.47
8		.	91.360	-0.52
8		.	93.360	-0.56
8		.	95.360	-0.60
8	D8S270	-0.58	97.290	.
8		.	97.360	-0.63
8		.	99.360	-0.60
8		.	101.360	-0.56
8		.	103.360	-0.51
8		.	105.360	-0.46
8		.	107.360	-0.41
8		.	109.360	-0.36
8		.	111.360	-0.30
8	D8S1784	-0.03	112.440	.
8		.	113.360	-0.30
8		.	115.360	-0.39
8		.	117.360	-0.46
8		.	119.360	-0.53
8		.	121.360	-0.59
8		.	123.360	-0.65
8	D8S514	-0.66	124.620	.
8		.	125.360	-0.67
8		.	127.360	-0.64
8		.	129.360	-0.59

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
8		.	131.360	-0.54
8		.	133.360	-0.47
8		.	135.360	-0.40
8		.	137.360	-0.31
8		.	139.360	-0.21
8	D8S284	-0.10	139.790	.
8		.	141.360	-0.19
8		.	143.360	-0.19
8		.	145.360	-0.16
8		.	147.360	-0.13
8		.	149.360	-0.09
8	D8S272	-0.05	150.141	.
8		.	151.360	-0.07
9	D9S288	0.45	8.100	0.10
9		.	10.100	0.13
9		.	12.100	0.15
9		.	14.100	0.16
9		.	16.100	0.15
9	D9S286	0.04	17.770	.
9		.	18.100	0.13
9		.	20.100	0.14
9		.	22.100	0.14
9		.	24.100	0.14
9		.	26.100	0.14
9		.	28.100	0.13
9		.	30.100	0.12
9		.	32.100	0.11
9	D9S285	0.09	33.560	.
9		.	34.100	0.06
9		.	36.100	0.00
9	D9S157	-0.02	36.260	.
9		.	38.100	-0.01
9		.	40.100	-0.03
9		.	42.100	-0.06
9		.	44.100	-0.10
9	D9S171	-0.02	45.570	.
9		.	46.100	-0.15
9		.	48.100	-0.21
9		.	50.100	-0.28
9	D9S161	-0.36	51.500	.
9		.	52.100	-0.31
9		.	54.100	-0.31
9		.	56.100	-0.30
9	D9S1817	-0.63	56.480	.
9		.	58.100	-0.29

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score



Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
9	.	.	60.100	-0.26
9	.	.	62.100	-0.19
9	.	.	64.100	-0.09
9	.	.	66.100	-0.02
9	D9S273	-0.18	66.750	.
9	.	.	68.100	-0.01
9	.	.	70.100	-0.01
9	D9S175	-0.27	70.640	.
9	.	.	72.100	-0.01
9	.	.	74.100	-0.01
9	.	.	76.100	-0.01
9	.	.	78.100	-0.01
9	.	.	80.100	-0.02
9	D9S167	-0.08	81.010	.
9	.	.	82.100	-0.02
9	.	.	84.100	-0.03
9	.	.	86.100	-0.04
9	.	.	88.100	-0.05
9	.	.	90.100	-0.06
9	.	.	92.100	-0.07
9	D9S283	-0.05	92.910	.
9	.	.	94.100	-0.12
9	.	.	96.100	-0.23
9	.	.	98.100	-0.35
9	D9S287	-0.35	98.700	.
9	.	.	100.100	-0.40
9	.	.	102.100	-0.37
9	D9S1690	-0.22	104.080	.
9	.	.	104.100	-0.28
9	.	.	106.100	-0.23
9	.	.	108.100	-0.16
9	.	.	110.100	-0.09
9	.	.	112.100	-0.04
9	D9S1677	-0.19	112.850	.
9	.	.	114.100	-0.04
9	.	.	116.100	-0.07
9	.	.	118.100	-0.11
9	.	.	120.100	-0.16
9	D9S1776	-0.79	121.620	.
9	.	.	122.100	-0.18
9	.	.	124.100	-0.10
9	.	.	126.100	-0.05
9	.	.	128.100	-0.02
9	D9S1682	-0.07	128.770	.
9	.	.	130.100	0.00

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
9	.	.	132.100	0.00
9	.	.	134.100	0.02
9	.	.	136.100	0.05
9	D9S290	0.01	136.400	.
9	.	.	138.100	0.02
9	.	.	140.100	0.00
9	.	.	142.100	0.00
9	.	.	144.100	-0.02
9	.	.	146.100	-0.06
9	D9S164	-0.06	146.920	.
9	.	.	148.100	-0.09
9	.	.	150.100	-0.10
9	.	.	152.100	-0.10
9	.	.	154.100	-0.08
9	.	.	156.100	-0.06
9	D9S1826	-0.52	157.730	.
9	.	.	158.100	0.00
9	D9S158	0.01	158.312	.
9	.	.	160.100	0.00
10	D10S249	0.07	1.180	0.09
10	.	.	3.180	0.13
10	.	.	5.180	0.17
10	.	.	7.180	0.21
10	.	.	9.180	0.26
10	.	.	11.180	0.30
10	.	.	13.180	0.33
10	D10S591	0.21	14.380	.
10	.	.	15.180	0.32
10	.	.	17.180	0.23
10	.	.	19.180	0.14
10	D10S189	0.00	19.780	.
10	.	.	21.180	0.03
10	.	.	23.180	-0.01
10	.	.	25.180	-0.13
10	.	.	27.180	-0.35
10	D10S547	-0.32	27.790	.
10	.	.	29.180	-0.47
10	.	.	31.180	-0.51
10	.	.	33.180	-0.52
10	.	.	35.180	-0.50
10	.	.	37.180	-0.45
10	D10S1653	-0.26	37.750	.
10	.	.	39.180	-0.44
10	.	.	41.180	-0.43
10	.	.	43.180	-0.41

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
10	D10S548	-0.43	43.400	.
10	.	.	45.180	-0.33
10	.	.	47.180	-0.23
10	.	.	49.180	-0.14
10	D10S197	0.00	50.040	.
10	.	.	51.180	-0.11
10	.	.	53.180	-0.09
10	.	.	55.180	-0.08
10	.	.	57.180	-0.06
10	.	.	59.180	-0.04
10	D10S208	0.00	59.940	.
10	.	.	61.180	-0.06
10	.	.	63.180	-0.12
10	.	.	65.180	-0.18
10	.	.	67.180	-0.25
10	.	.	69.180	-0.30
10	D10S196	-0.31	70.070	.
10	.	.	71.180	-0.40
10	.	.	73.180	-0.53
10	.	.	75.180	-0.65
10	.	.	77.180	-0.76
10	.	.	79.180	-0.86
10	D10S1652	-0.99	80.610	.
10	.	.	81.180	-0.92
10	.	.	83.180	-0.89
10	.	.	85.180	-0.82
10	.	.	87.180	-0.72
10	D10S537	-0.38	89.160	.
10	.	.	89.180	-0.58
10	.	.	91.180	-0.60
10	.	.	93.180	-0.60
10	.	.	95.180	-0.61
10	.	.	97.180	-0.61
10	.	.	99.180	-0.61
10	.	.	101.180	-0.61
10	.	.	103.180	-0.61
10	D10S1686	-0.47	104.870	.
10	.	.	105.180	-0.59
10	.	.	107.180	-0.52
10	.	.	109.180	-0.45
10	.	.	111.180	-0.36
10	.	.	113.180	-0.26
10	D10S185	-0.28	113.339	.
10	.	.	115.180	-0.21
10	.	.	117.180	-0.15

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
10	.	.	119.180	-0.09
10	D10S192	-0.01	120.753	.
10	.	.	121.180	-0.06
10	.	.	123.180	-0.07
10	.	.	125.180	-0.09
10	D10S597	-0.31	126.700	.
10	.	.	127.180	-0.09
10	.	.	129.180	-0.09
10	.	.	131.180	-0.09
10	.	.	133.180	-0.08
10	.	.	135.180	-0.07
10	.	.	137.180	-0.06
10	D10S1693	0.00	138.390	.
10	.	.	139.180	-0.06
10	.	.	141.180	-0.07
10	.	.	143.180	-0.07
10	.	.	145.180	-0.06
10	.	.	147.180	-0.04
10	D10S587	-0.01	148.870	.
10	.	.	149.180	-0.02
10	.	.	151.180	-0.02
10	.	.	153.180	-0.02
10	.	.	155.180	-0.02
10	.	.	157.180	-0.02
10	.	.	159.180	-0.02
10	D10S217	0.00	159.850	.
10	.	.	161.180	-0.01
10	.	.	163.180	-0.01
10	.	.	165.180	0.00
10	.	.	167.180	0.00
10	.	.	169.180	0.00
10	.	.	171.180	0.00
10	D10S1651	0.01	171.950	.
10	.	.	173.180	0.01
10	.	.	175.180	0.07
10	.	.	177.180	0.17
10	D10S212	0.30	177.190	.
10	.	.	179.180	0.17
11	D11S4046	0.00	1.263	-0.01
11	.	.	3.263	-0.01
11	.	.	5.263	-0.01
11	.	.	7.263	-0.01
11	.	.	9.263	-0.01
11	D11S1338	-0.05	9.770	.
11	.	.	11.263	-0.02

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
11	.	.	13.263	-0.03
11	.	.	15.263	-0.06
11	.	.	17.263	-0.09
11	.	.	19.263	-0.12
11	.	.	21.263	-0.15
11	.	.	23.263	-0.18
11	.	.	25.263	-0.19
11	D11S902	-0.19	25.690	.
11	.	.	27.263	-0.23
11	.	.	29.263	-0.26
11	.	.	31.263	-0.29
11	.	.	33.263	-0.31
11	.	.	35.263	-0.33
11	.	.	37.263	-0.34
11	.	.	39.263	-0.35
11	.	.	41.263	-0.36
11	.	.	43.263	-0.36
11	D11S904	-0.08	43.640	.
11	.	.	45.263	-0.37
11	.	.	47.263	-0.35
11	.	.	49.263	-0.32
11	.	.	51.263	-0.27
11	D11S935	-0.07	52.940	.
11	.	.	53.263	-0.26
11	.	.	55.263	-0.47
11	.	.	57.263	-0.63
11	D11S905	-0.52	57.390	.
11	.	.	59.263	-0.55
11	.	.	61.263	-0.42
11	.	.	63.263	-0.26
11	D11S4191	-0.10	64.960	.
11	.	.	65.263	-0.12
11	.	.	67.263	-0.05
11	.	.	69.263	-0.01
11	.	.	71.263	0.00
11	D11S987	0.00	72.170	.
11	.	.	73.263	0.01
11	.	.	75.263	0.00
11	.	.	77.263	0.00
11	D11S1314	0.00	78.750	.
11	.	.	79.263	0.00
11	.	.	81.263	-0.02
11	.	.	83.263	-0.06
11	D11S937	-0.11	83.730	.
11	.	.	85.263	-0.19

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
11	.	.	87.263	-0.36
11	D11S901	-0.35	88.480	.
11	.	.	89.263	-0.37
11	.	.	91.263	-0.22
11	D11S4175	-0.19	93.040	.
11	.	.	93.263	-0.11
11	.	.	95.263	-0.13
11	.	.	97.263	-0.15
11	.	.	99.263	-0.18
11	.	.	101.263	-0.22
11	.	.	103.263	-0.25
11	D11S898	-0.48	103.590	.
11	.	.	105.263	-0.20
11	.	.	107.263	-0.14
11	.	.	109.263	-0.08
11	.	.	111.263	-0.04
11	.	.	113.263	-0.01
11	.	.	115.263	0.00
11	D11S908	0.00	116.460	.
11	.	.	117.263	0.00
11	.	.	119.263	0.03
11	.	.	121.263	0.08
11	.	.	123.263	0.16
11	D11S925	0.11	124.089	.
11	.	.	125.263	0.18
11	.	.	127.263	0.14
11	.	.	129.263	0.10
11	.	.	131.263	0.06
11	D11S4151	-0.02	133.150	.
11	.	.	133.263	0.03
11	.	.	135.263	0.04
11	.	.	137.263	0.05
11	.	.	139.263	0.05
11	.	.	141.263	0.06
11	.	.	143.263	0.06
11	.	.	145.263	0.06
11	D11S1320	0.28	146.940	.
11	.	.	147.263	0.05
11	.	.	149.263	0.05
11	.	.	151.263	0.04
11	D11S968	0.14	152.450	.
11	.	.	153.263	0.04
12	D12S352	-0.33	0.000	-0.50
12	.	.	2.000	-0.50
12	.	.	4.000	-0.51

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
12	.	.	6.000	-0.51
12	.	.	8.000	-0.51
12	.	.	10.000	-0.51
12	.	.	12.000	-0.51
12	.	.	14.000	-0.50
12	D12S99	-0.45	15.200	.
12	.	.	16.000	-0.49
12	.	.	18.000	-0.46
12	.	.	20.000	-0.43
12	.	.	22.000	-0.38
12	.	.	24.000	-0.33
12	D12S336	-0.40	24.040	.
12	.	.	26.000	-0.20
12	.	.	28.000	-0.08
12	.	.	30.000	-0.02
12	D12S364	0.05	31.160	.
12	.	.	32.000	-0.01
12	.	.	34.000	-0.03
12	.	.	36.000	-0.07
12	D12S310	-0.05	36.230	.
12	.	.	38.000	-0.12
12	.	.	40.000	-0.18
12	.	.	42.000	-0.25
12	.	.	44.000	-0.32
12	D12S1617	-0.52	45.910	.
12	.	.	46.000	-0.38
12	.	.	48.000	-0.30
12	.	.	50.000	-0.19
12	.	.	52.000	-0.10
12	.	.	54.000	-0.04
12	D12S345	-0.13	55.250	.
12	.	.	56.000	-0.01
12	.	.	58.000	-0.01
12	.	.	60.000	-0.01
12	D12S85	0.03	60.490	.
12	.	.	62.000	0.00
12	.	.	64.000	0.04
12	.	.	66.000	0.14
12	D12S368	0.23	66.550	.
12	.	.	68.000	0.15
12	.	.	70.000	0.10
12	.	.	72.000	0.05
12	.	.	74.000	0.01
12	D12S83	0.00	74.030	.
12	.	.	76.000	0.02

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
12	.	.	78.000	0.03
12	.	.	80.000	0.04
12	.	.	82.000	0.06
12	.	.	84.000	0.08
12	.	.	86.000	0.11
12	.	.	88.000	0.15
12	.	.	90.000	0.18
12	D12S326	0.00	91.200	.
12	.	.	92.000	0.25
12	.	.	94.000	0.40
12	.	.	96.000	0.58
12	.	.	98.000	0.74
12	.	.	100.000	0.88
12	D12S351	0.70	101.060	.
12	.	.	102.000	0.93
12	.	.	104.000	0.88
12	.	.	106.000	0.80
12	.	.	108.000	0.69
12	.	.	110.000	0.56
12	D12S346	0.40	111.020	.
12	.	.	112.000	0.49
12	.	.	114.000	0.44
12	.	.	116.000	0.32
12	D12S78	0.10	116.119	.
12	.	.	118.000	0.29
12	.	.	120.000	0.25
12	.	.	122.000	0.22
12	.	.	124.000	0.19
12	.	.	126.000	0.15
12	.	.	128.000	0.13
12	.	.	130.000	0.11
12	D12S79	0.20	131.880	.
12	.	.	132.000	0.09
12	.	.	134.000	0.06
12	.	.	136.000	0.02
12	.	.	138.000	0.00
12	D12S86	0.00	138.060	.
12	.	.	140.000	0.00
12	.	.	142.000	0.00
12	.	.	144.000	-0.01
12	.	.	146.000	-0.01
12	.	.	148.000	-0.02
12	D12S324	-0.04	148.640	.
12	.	.	150.000	-0.01
12	.	.	152.000	-0.01

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score



Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
12		.	154.000	0.00
12		.	156.000	0.00
12		.	158.000	0.00
12	D12S1659	-0.01	159.600	.
12		.	160.000	0.00
12		.	162.000	0.00
12		.	164.000	0.00
12		.	166.000	0.00
12		.	168.000	0.00
12	D12S1723	0.08	169.540	.
12		.	170.000	0.00
13	D13S175	-0.12	1.848	-0.14
13		.	3.848	-0.12
13		.	5.848	-0.11
13		.	7.848	-0.09
13		.	9.848	-0.07
13		.	11.848	-0.05
13		.	13.848	-0.03
13		.	15.848	-0.02
13		.	17.848	-0.01
13		.	19.848	-0.01
13		.	21.848	0.00
13	D13S217	0.01	22.170	.
13		.	23.848	0.00
13		.	25.848	0.00
13		.	27.848	0.00
13		.	29.848	0.01
13	D13S171	-0.06	31.070	.
13		.	31.848	0.01
13		.	33.848	0.02
13		.	35.848	0.04
13		.	37.848	0.06
13	D13S218	0.06	39.340	.
13		.	39.848	0.10
13		.	41.848	0.24
13	D13S263	0.45	43.240	.
13		.	43.848	0.32
13		.	45.848	0.21
13		.	47.848	0.12
13		.	49.848	0.06
13	D13S153	0.03	51.625	.
13		.	51.848	0.02
13		.	53.848	0.02
13		.	55.848	0.01
13		.	57.848	0.00

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
13	.	.	59.848	0.00
13	.	.	61.848	0.00
13	.	.	63.848	0.00
13	.	.	65.848	-0.01
13	.	.	67.848	-0.01
13	D13S156	0.02	69.730	.
13	.	.	69.848	-0.01
13	.	.	71.848	0.00
13	.	.	73.848	0.03
13	.	.	75.848	0.08
13	D13S170	0.02	76.170	.
13	.	.	77.848	0.10
13	.	.	79.848	0.10
13	D13S265	0.23	80.819	.
13	.	.	81.848	0.10
13	.	.	83.848	0.09
13	.	.	85.848	0.07
13	.	.	87.848	0.05
13	.	.	89.848	0.03
13	.	.	91.848	0.01
13	D13S159	0.18	91.960	.
13	.	.	93.848	0.00
13	.	.	95.848	-0.03
13	.	.	97.848	-0.10
13	D13S158	-0.19	98.960	.
13	.	.	99.848	-0.16
13	.	.	101.848	-0.12
13	.	.	103.848	-0.08
13	.	.	105.848	-0.04
13	.	.	107.848	-0.01
13	D13S173	0.04	109.360	.
13	.	.	109.848	0.00
13	.	.	111.848	-0.02
13	.	.	113.848	-0.06
13	D13S1265	-0.24	114.463	.
13	.	.	115.848	-0.10
13	.	.	117.848	-0.14
13	.	.	119.848	-0.17
13	.	.	121.848	-0.18
13	D13S285	-0.19	123.780	.
13	.	.	123.848	-0.18
14	D14S261	0.29	4.330	0.19
14	.	.	6.330	0.13
14	.	.	8.330	0.08
14	.	.	10.330	0.04

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
14	.	.	12.330	0.01
14	.	.	14.330	0.00
14	D14S283	0.00	14.700	.
14	.	.	16.330	-0.02
14	.	.	18.330	-0.14
14	.	.	20.330	-0.35
14	D14S275	-0.60	22.210	.
14	.	.	22.330	-0.52
14	.	.	24.330	-0.44
14	.	.	26.330	-0.37
14	.	.	28.330	-0.30
14	.	.	30.330	-0.24
14	.	.	32.330	-0.18
14	.	.	34.330	-0.14
14	.	.	36.330	-0.11
14	D14S70	-0.02	36.370	.
14	.	.	38.330	-0.17
14	.	.	40.330	-0.21
14	.	.	42.330	-0.21
14	D14S288	-0.06	44.000	.
14	.	.	44.330	-0.19
14	.	.	46.330	-0.21
14	.	.	48.330	-0.21
14	.	.	50.330	-0.20
14	.	.	52.330	-0.17
14	.	.	54.330	-0.14
14	D14S276	-0.12	54.414	.
14	.	.	56.330	-0.10
14	.	.	58.330	-0.06
14	.	.	60.330	-0.02
14	.	.	62.330	-0.01
14	D14S63	0.04	63.500	.
14	.	.	64.330	0.00
14	.	.	66.330	0.01
14	.	.	68.330	0.02
14	D14S258	0.00	68.540	.
14	.	.	70.330	0.00
14	.	.	72.330	-0.02
14	.	.	74.330	-0.11
14	.	.	76.330	-0.25
14	D14S74	-0.50	78.190	.
14	.	.	78.330	-0.37
14	.	.	80.330	-0.29
14	.	.	82.330	-0.21
14	.	.	84.330	-0.12

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
14		.	86.330	-0.05
14	D14S48	0.03	86.540	.
14		.	88.330	-0.02
14		.	90.330	-0.01
14		.	92.330	0.00
14		.	94.330	0.00
14	D14S280	-0.08	94.420	.
14		.	96.330	0.01
14		.	98.330	0.05
14		.	100.330	0.11
14		.	102.330	0.18
14		.	104.330	0.25
14		.	106.330	0.31
14	D14S65	0.46	106.520	.
14		.	108.330	0.29
14		.	110.330	0.25
14		.	112.330	0.21
14		.	114.330	0.17
14	D14S985	0.02	115.830	.
14		.	116.330	0.15
14		.	118.330	0.20
14		.	120.330	0.25
14		.	122.330	0.29
14	D14S292	0.00	122.820	.
14		.	124.330	0.29
15	D15S128	-0.17	5.820	-0.16
15		.	7.820	-0.20
15		.	9.820	-0.24
15		.	11.820	-0.27
15		.	13.820	-0.30
15	D15S1002	0.00	15.050	.
15		.	15.820	-0.34
15		.	17.820	-0.39
15		.	19.820	-0.42
15		.	21.820	-0.43
15	D15S165	-0.40	22.640	.
15		.	23.820	-0.52
15		.	25.820	-0.67
15		.	27.820	-0.80
15	D15S1007	-0.51	28.860	.
15		.	29.820	-0.86
15		.	31.820	-0.85
15		.	33.820	-0.82
15		.	35.820	-0.79
15		.	37.820	-0.75

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
15	D15S1012	-0.83	38.120	.
15	.	.	39.820	-0.75
15	.	.	41.820	-0.74
15	D15S994	-0.18	42.618	.
15	.	.	43.820	-0.68
15	.	.	45.820	-0.61
15	.	.	47.820	-0.54
15	D15S978	-0.41	48.178	.
15	.	.	49.820	-0.47
15	.	.	51.820	-0.41
15	.	.	53.820	-0.34
15	.	.	55.820	-0.27
15	D15S117	-0.27	56.460	.
15	.	.	57.820	-0.27
15	.	.	59.820	-0.30
15	.	.	61.820	-0.32
15	.	.	63.820	-0.33
15	.	.	65.820	-0.32
15	.	.	67.820	-0.31
15	D15S153	-0.12	68.100	.
15	.	.	69.820	-0.33
15	.	.	71.820	-0.35
15	.	.	73.820	-0.35
15	.	.	75.820	-0.33
15	D15S131	-0.34	76.522	.
15	.	.	77.820	-0.29
15	.	.	79.820	-0.24
15	.	.	81.820	-0.18
15	.	.	83.820	-0.13
15	.	.	85.820	-0.09
15	.	.	87.820	-0.05
15	D15S205	-0.02	89.090	.
15	.	.	89.820	-0.04
15	.	.	91.820	-0.05
15	.	.	93.820	-0.06
15	.	.	95.820	-0.05
15	D15S127	-0.10	97.260	.
15	.	.	97.820	-0.04
15	.	.	99.820	-0.02
15	.	.	101.820	0.00
15	.	.	103.820	0.00
15	.	.	105.820	0.01
15	.	.	107.820	0.03
15	D15S130	0.01	108.210	.
15	.	.	109.820	0.05

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
15	.	.	111.820	0.10
15	.	.	113.820	0.16
15	.	.	115.820	0.24
15	.	.	117.820	0.33
15	.	.	119.820	0.43
15	.	.	121.820	0.52
15	.	.	123.820	0.61
15	.	.	125.820	0.68
15	D15S120	0.52	126.520	.
15	.	.	127.820	0.70
16	D16S423	-0.12	14.050	-0.20
16	.	.	16.050	-0.18
16	.	.	18.050	-0.17
16	.	.	20.050	-0.16
16	.	.	22.050	-0.16
16	.	.	24.050	-0.17
16	D16S404	-0.12	24.890	.
16	.	.	26.050	-0.18
16	.	.	28.050	-0.20
16	D16S3075	-0.09	29.510	.
16	.	.	30.050	-0.21
16	.	.	32.050	-0.23
16	.	.	34.050	-0.23
16	.	.	36.050	-0.22
16	D16S3103	-0.36	37.970	.
16	.	.	38.050	-0.19
16	.	.	40.050	-0.11
16	.	.	42.050	-0.05
16	D16S3046	-0.17	42.990	.
16	.	.	44.050	-0.04
16	.	.	46.050	-0.03
16	.	.	48.050	-0.02
16	D16S3068	-0.05	49.500	.
16	.	.	50.050	-0.01
16	.	.	52.050	0.00
16	.	.	54.050	0.00
16	.	.	56.050	0.00
16	.	.	58.050	0.00
16	.	.	60.050	0.00
16	D16S3136	0.09	60.350	.
16	.	.	62.050	0.01
16	.	.	64.050	0.07
16	.	.	66.050	0.17
16	D16S415	0.02	66.975	.
16	.	.	68.050	0.23

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
16	.	.	70.050	0.22
16	.	.	72.050	0.21
16	.	.	74.050	0.19
16	.	.	76.050	0.16
16	.	.	78.050	0.14
16	.	.	80.050	0.12
16	D16S503	0.02	81.785	.
16	.	.	82.050	0.10
16	.	.	84.050	0.09
16	.	.	86.050	0.07
16	.	.	88.050	0.06
16	.	.	90.050	0.04
16	.	.	92.050	0.03
16	D16S515	0.14	92.060	.
16	.	.	94.050	0.09
16	.	.	96.050	0.21
16	.	.	98.050	0.34
16	D16S516	0.27	98.525	.
16	.	.	100.050	0.35
16	.	.	102.050	0.30
16	.	.	104.050	0.25
16	.	.	106.050	0.19
16	.	.	108.050	0.14
16	D16S3091	0.01	109.590	.
16	.	.	110.050	0.11
16	.	.	112.050	0.10
16	.	.	114.050	0.11
16	.	.	116.050	0.11
16	.	.	118.050	0.12
16	.	.	120.050	0.13
16	.	.	122.050	0.14
16	D16S520	0.11	122.840	.
16	.	.	124.050	0.14
17	D17S849	-0.56	0.630	-0.71
17	.	.	2.630	-0.56
17	.	.	4.630	-0.40
17	.	.	6.630	-0.22
17	D17S831	-0.17	7.219	.
17	.	.	8.630	-0.20
17	.	.	10.630	-0.21
17	.	.	12.630	-0.20
17	.	.	14.630	-0.15
17	.	.	16.630	-0.10
17	D17S938	-0.01	17.060	.
17	.	.	18.630	-0.11

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
17	.	.	20.630	-0.13
17	.	.	22.630	-0.16
17	.	.	24.630	-0.18
17	.	.	26.630	-0.21
17	.	.	28.630	-0.23
17	D17S1852	-0.27	30.612	.
17	.	.	30.630	-0.25
17	.	.	32.630	-0.25
17	.	.	34.630	-0.22
17	.	.	36.630	-0.17
17	D17S799	-0.66	37.000	.
17	.	.	38.630	-0.09
17	.	.	40.630	-0.03
17	D17S921	0.03	41.470	.
17	.	.	42.630	-0.01
17	.	.	44.630	0.00
17	D17S1857	0.00	46.390	.
17	.	.	46.630	0.00
17	.	.	48.630	0.00
17	.	.	50.630	0.01
17	.	.	52.630	0.01
17	.	.	54.630	0.02
17	D17S798	0.12	55.600	.
17	.	.	56.630	0.02
17	.	.	58.630	0.03
17	.	.	60.630	0.02
17	.	.	62.630	0.02
17	.	.	64.630	0.01
17	.	.	66.630	0.00
17	.	.	68.630	0.00
17	.	.	70.630	0.00
17	.	.	72.630	-0.01
17	D17S1868	0.00	74.530	.
17	.	.	74.630	-0.02
17	.	.	76.630	-0.06
17	.	.	78.630	-0.14
17	.	.	80.630	-0.25
17	D17S787	-0.21	81.321	.
17	.	.	82.630	-0.26
17	.	.	84.630	-0.23
17	.	.	86.630	-0.20
17	.	.	88.630	-0.18
17	.	.	90.630	-0.16
17	.	.	92.630	-0.16
17	D17S944	-0.06	92.760	.

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score



Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
17	.	.	94.630	-0.22
17	.	.	96.630	-0.29
17	.	.	98.630	-0.35
17	.	.	100.630	-0.40
17	.	.	102.630	-0.45
17	D17S949	-0.60	102.960	.
17	.	.	104.630	-0.39
17	.	.	106.630	-0.30
17	.	.	108.630	-0.20
17	.	.	110.630	-0.12
17	.	.	112.630	-0.06
17	.	.	114.630	-0.02
17	D17S785	-0.04	115.340	.
17	.	.	116.630	-0.01
17	.	.	118.630	0.00
17	.	.	120.630	0.00
17	.	.	122.630	0.00
17	.	.	124.630	0.01
17	.	.	126.630	0.02
17	.	.	128.630	0.03
17	D17S784	0.10	129.620	.
17	.	.	130.630	0.04
17	.	.	132.630	0.04
17	.	.	134.630	0.03
17	D17S928	0.06	135.670	.
17	.	.	136.630	0.03
18	D18S59	-0.07	1.390	-0.08
18	.	.	3.390	-0.11
18	.	.	5.390	-0.14
18	.	.	7.390	-0.18
18	.	.	9.390	-0.21
18	D18S63	-0.27	9.570	.
18	.	.	11.390	-0.21
18	.	.	13.390	-0.19
18	.	.	15.390	-0.15
18	.	.	17.390	-0.11
18	D18S452	-0.02	17.620	.
18	.	.	19.390	-0.11
18	.	.	21.390	-0.10
18	.	.	23.390	-0.09
18	.	.	25.390	-0.08
18	.	.	27.390	-0.06
18	.	.	29.390	-0.05
18	.	.	31.390	-0.03
18	D18S464	0.00	32.420	.

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
18	.	.	33.390	-0.02
18	.	.	35.390	-0.02
18	.	.	37.390	-0.01
18	D18S53	0.18	37.670	.
18	.	.	39.390	-0.01
18	.	.	41.390	0.00
18	.	.	43.390	0.00
18	.	.	45.390	0.00
18	.	.	47.390	0.00
18	.	.	49.390	0.00
18	D18S478	-0.04	50.830	.
18	.	.	51.390	0.00
18	.	.	53.390	0.00
18	.	.	55.390	0.00
18	.	.	57.390	0.00
18	D18S1102	0.00	58.160	.
18	.	.	59.390	0.00
18	.	.	61.390	0.00
18	.	.	63.390	0.00
18	.	.	65.390	0.00
18	.	.	67.390	0.00
18	.	.	69.390	0.00
18	.	.	71.390	0.00
18	D18S474	0.03	72.830	.
18	.	.	73.390	0.00
18	.	.	75.390	0.00
18	.	.	77.390	-0.01
18	.	.	79.390	-0.03
18	.	.	81.390	-0.05
18	D18S64	-0.09	82.177	.
18	.	.	83.390	-0.02
18	.	.	85.390	0.00
18	.	.	87.390	0.03
18	D18S68	0.12	88.780	.
18	.	.	89.390	0.06
18	.	.	91.390	0.08
18	.	.	93.390	0.09
18	.	.	95.390	0.09
18	.	.	97.390	0.10
18	D18S61	0.10	97.706	.
18	.	.	99.390	0.16
18	.	.	101.390	0.26
18	.	.	103.390	0.38
18	.	.	105.390	0.51
18	.	.	107.390	0.65

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
18	D18S1161	0.39	108.450	.
18	.	.	109.390	0.73
18	.	.	111.390	0.73
18	.	.	113.390	0.69
18	.	.	115.390	0.62
18	D18S462	0.68	116.370	.
18	.	.	117.390	0.46
18	.	.	119.390	0.22
18	.	.	121.390	0.05
18	D18S70	0.04	121.650	.
18	.	.	123.390	0.04
19	D19S209	-0.60	11.380	-0.44
19	.	.	13.380	-0.40
19	.	.	15.380	-0.34
19	D19S216	-0.60	16.720	.
19	.	.	17.380	-0.26
19	.	.	19.380	-0.18
19	.	.	21.380	-0.10
19	.	.	23.380	-0.04
19	.	.	25.380	0.00
19	D19S884	-0.03	25.667	.
19	.	.	27.380	0.00
19	.	.	29.380	0.00
19	.	.	31.380	0.01
19	D19S221	-0.03	32.390	.
19	.	.	33.380	0.01
19	.	.	35.380	0.01
19	D19S226	-0.03	36.350	.
19	.	.	37.380	0.01
19	.	.	39.380	0.01
19	.	.	41.380	0.01
19	.	.	43.380	0.01
19	.	.	45.380	0.01
19	.	.	47.380	0.00
19	.	.	49.380	0.00
19	.	.	51.380	0.00
19	.	.	53.380	0.00
19	D19S414	0.01	53.810	.
19	.	.	55.380	0.01
19	.	.	57.380	0.04
19	.	.	59.380	0.08
19	.	.	61.380	0.14
19	.	.	63.380	0.20
19	D19S220	0.33	63.580	.
19	.	.	65.380	0.26

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
19	.	.	67.380	0.31
19	D19S420	0.28	68.940	.
19	.	.	69.380	0.37
19	.	.	71.380	0.54
19	.	.	73.380	0.72
19	.	.	75.380	0.86
19	D19S902	1.03	76.150	.
19	.	.	77.380	0.86
19	.	.	79.380	0.80
19	.	.	81.380	0.72
19	.	.	83.380	0.63
19	.	.	85.380	0.51
19	.	.	87.380	0.40
19	.	.	89.380	0.29
19	.	.	91.380	0.20
19	D19S571	0.07	93.012	.
19	.	.	93.380	0.15
19	.	.	95.380	0.18
19	.	.	97.380	0.20
19	.	.	99.380	0.22
19	.	.	101.380	0.23
19	.	.	103.380	0.24
19	D19S418	0.83	104.010	.
19	.	.	105.380	0.27
19	.	.	107.380	0.27
19	D19S210	0.05	108.595	.
19	.	.	109.380	0.24
20	D20S117	0.01	2.900	0.11
20	.	.	4.900	0.17
20	.	.	6.900	0.24
20	.	.	8.900	0.29
20	.	.	10.900	0.32
20	D20S889	0.36	11.926	.
20	.	.	12.900	0.35
20	.	.	14.900	0.41
20	.	.	16.900	0.45
20	.	.	18.900	0.47
20	.	.	20.900	0.45
20	.	.	22.900	0.42
20	D20S115	0.30	24.660	.
20	.	.	24.900	0.37
20	.	.	26.900	0.34
20	.	.	28.900	0.30
20	.	.	30.900	0.25
20	.	.	32.900	0.20

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
20	D20S186	0.13	34.580	.
20	.	.	34.900	0.17
20	.	.	36.900	0.21
20	.	.	38.900	0.27
20	.	.	40.900	0.36
20	.	.	42.900	0.46
20	D20S112	0.30	44.350	.
20	.	.	44.900	0.53
20	.	.	46.900	0.52
20	.	.	48.900	0.50
20	.	.	50.900	0.48
20	.	.	52.900	0.46
20	.	.	54.900	0.44
20	D20S195	0.16	56.358	.
20	.	.	56.900	0.45
20	.	.	58.900	0.55
20	.	.	60.900	0.61
20	D20S107	0.51	61.780	.
20	.	.	62.900	0.64
20	.	.	64.900	0.65
20	.	.	66.900	0.63
20	.	.	68.900	0.58
20	D20S119	0.23	69.400	.
20	.	.	70.900	0.53
20	.	.	72.900	0.44
20	D20S178	0.59	73.830	.
20	.	.	74.900	0.29
20	.	.	76.900	0.11
20	D20S196	-0.02	78.470	.
20	.	.	78.900	0.02
20	.	.	80.900	0.02
20	.	.	82.900	0.01
20	.	.	84.900	0.01
20	.	.	86.900	0.01
20	.	.	88.900	0.00
20	D20S100	0.00	88.960	.
20	.	.	90.900	0.00
20	.	.	92.900	0.00
20	.	.	94.900	0.00
20	.	.	96.900	0.00
20	D20S171	-0.04	98.630	.
20	.	.	98.900	0.00
20	.	.	100.900	0.01
20	D20S173	0.49	102.261	.
20	.	.	102.900	0.03

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
21	D21S1914	0.00	24.370	-0.03
21	.	.	26.370	-0.03
21	.	.	28.370	-0.03
21	.	.	30.370	-0.03
21	.	.	32.370	-0.03
21	D21S263	-0.05	32.520	.
21	.	.	34.370	-0.03
21	.	.	36.370	-0.02
21	.	.	38.370	-0.01
21	.	.	40.370	0.00
21	.	.	42.370	0.00
21	D21S1252	0.01	42.960	.
21	.	.	44.370	0.00
21	.	.	46.370	0.00
21	.	.	48.370	0.00
21	.	.	50.370	0.00
21	.	.	52.370	0.00
21	.	.	54.370	-0.01
21	D21S266	0.02	56.000	.
21	.	.	56.370	-0.02
22	D22S420	0.00	2.960	0.02
22	.	.	4.960	0.03
22	.	.	6.960	0.05
22	.	.	8.960	0.06
22	.	.	10.960	0.08
22	.	.	12.960	0.09
22	D22S539	-0.01	14.680	.
22	.	.	14.960	0.11
22	.	.	16.960	0.21
22	.	.	18.960	0.35
22	.	.	20.960	0.50
22	D22S315	1.12	22.590	.
22	.	.	22.960	0.63
22	.	.	24.960	0.67
22	.	.	26.960	0.68
22	.	.	28.960	0.68
22	.	.	30.960	0.64
22	.	.	32.960	0.59
22	.	.	34.960	0.52
22	.	.	36.960	0.45
22	D22S280	0.38	37.030	.
22	.	.	38.960	0.53
22	.	.	40.960	0.56
22	D22S283	0.34	42.071	.
22	.	.	42.960	0.57

LOD\_sp: single-point linkage LOD score

LOD\_mp: multi-point linkage LOD score

Supplementary Table 2 Single- and Multi-point non-parametric linkage findings (and marker positions) for major depressive disorder in the Australian NAG heavy smoking genomescan sample by chromosome

Chromosome	Marker	LOD_sp	POS(cM)	LOD_mp
22		.	44.960	0.57
22		.	46.960	0.48
22		.	48.960	0.35
22	D22S423	0.52	49.140	.
22		.	50.960	0.24
22		.	52.960	0.13
22		.	54.960	0.05
22	D22S274	-0.01	56.470	.
22		.	56.960	0.02