

**Supplementary Table 2: genotype data for all seven case-control samples (Online)**

rs#	Alleles (1,2)	NCBI35 location	UK cases			UK controls			P*
			11	12	22	11	12	22	
836	C,T	157781297	219 (49.0%)	192 (43.0%)	36 (8.0%)	249 (55.3%)	175 (38.9%)	26 (5.8%)	0.04
790055	A,G	157784219							
2481080	C,T	157789410	219 (49.4%)	187 (42.2%)	37 (8.4%)	247 (55.1%)	176 (39.3%)	25 (5.6%)	0.04
2988726	A,G	157791827							
2251597	C,G	157800920	35 (7.8%)	189 (42.3%)	223 (49.9%)	25 (5.6%)	173 (38.4%)	252 (56%)	0.04
2481084	C,T	157802687	35 (7.9%)	185 (41.8%)	223 (50.3%)	25 (5.6%)	172 (38.3%)	252 (56.1%)	0.05
7546890	A,G	157808465	123 (27.8%)	213 (48.2%)	106 (24.0%)	135 (30.1%)	233 (51.9%)	81 (18.0%)	0.08
11799478	C,T	157809827	34 (7.6%)	190 (42.5%)	223 (49.9%)	25 (5.6%)	171 (38.0%)	254 (56.4%)	0.04
4339888	C,G	157820399	34 (7.6%)	191 (42.7%)	222 (49.7%)	25 (5.6%)	176 (39.1%)	249 (55.3%)	0.06
3766383	G,T	157821645	353 (79%)	87 (19.4%)	7 (1.6%)	328 (72.9%)	110 (24.4%)	12 (2.7%)	0.03
3737787	A,G	157822596	33 (7.4%)	186 (41.6%)	228 (51%)	25 (5.6%)	176 (39.1%)	249 (55.3%)	0.13
2516840	C,T	157824390	226 (50.6%)	184 (41.1%)	37 (8.3%)	237 (52.6%)	165 (36.7%)	48 (10.7%)	0.95
2073656	C,G	157824428	228 (51.5%)	182 (41.1%)	33 (7.4%)	249 (55.5%)	176 (39.2%)	24 (5.3%)	0.14
2073653	A,G	157825833	352 (78.7%)	88 (19.7%)	7 (1.6%)	328 (72.9%)	110 (24.4%)	12 (2.7%)	0.03
2516839	A,G	157826194	182 (40.7%)	216 (48.3%)	49 (11%)	163 (36.2%)	222 (49.3%)	65 (14.5%)	0.07
2516838	C,G	157827443	174 (38.9%)	217 (48.6%)	56 (12.5%)	180 (40%)	219 (48.7%)	51 (11.3%)	0.61
1556259	C,T	157827722	7 (1.6%)	85 (19.2%)	351 (79.2%)	12 (2.7%)	108 (24.0%)	329 (73.3%)	0.03
2774279	A,G	157830629	57 (12.9%)	214 (48.3%)	172 (38.8%)	52 (11.6%)	219 (48.8%)	178 (39.6%)	0.64
3813610	C,G	157835712	181 (40.9%)	212 (47.8%)	50 (11.3%)	164 (36.6%)	219 (48.9%)	65 (14.5%)	0.10
7516231	A,T	157842208	362 (81.0%)	78 (17.4%)	7 (1.6%)	339 (75.3%)	101 (22.5%)	10 (2.2%)	0.04

rs#	Alleles (1,2)	NCBI35 location	French cases			French controls			P*
			11	12	22	11	12	22	
836	C,T	157781297	129 (49.8%)	105 (40.5%)	25 (9.7%)	156 (54.2%)	104 (36.1%)	28 (9.7%)	0.45
790055	A,G	157784219							
2481080	C,T	157789410	117 (50.7%)	95 (41.1%)	19 (8.2%)	134 (54.0%)	89 (35.9%)	25 (10.1%)	0.80
2988726	A,G	157791827							
2251597	C,G	157800920	24 (9.3%)	106 (40.9%)	129 (49.8%)	26 (9.0%)	105 (36.5%)	157 (54.5%)	0.38
2481084	C,T	157802687	19 (8.2%)	94 (40.7%)	118 (51.1%)	23 (9.3%)	88 (35.6%)	136 (55.1%)	0.63
7546890	A,G	157808465	50 (21.6%)	123 (53.3%)	58 (25.1%)	66 (26.7%)	123 (49.8%)	58 (23.5%)	0.29
11799478	C,T	157809827	24 (9.3%)	105 (40.5%)	130 (50.2%)	26 (9.0%)	105 (36.5%)	157 (54.5%)	0.42
4339888	C,G	157820399	24 (9.3%)	107 (41.3%)	128 (49.4%)	26 (9.0%)	105 (36.5%)	157 (54.5%)	0.34
3766383	G,T	157821645	192 (74.1%)	61 (23.6%)	6 (2.3%)	209 (72.6%)	75 (26.0%)	4 (1.4%)	0.74
3737787	A,G	157822596	22 (8.5%)	103 (39.8%)	134 (51.7%)	27 (9.4%)	102 (35.4%)	159 (55.2%)	0.64
2516840	C,T	157824390	132 (51.0%)	98 (37.8%)	29 (11.2%)	135 (46.8%)	126 (43.8%)	27 (9.4%)	0.69
2073656	C,G	157824428	123 (53.5%)	90 (39.1%)	17 (7.4%)	134 (54.5%)	89 (36.2%)	23 (9.3%)	0.87
2073653	A,G	157825833	192 (74.1%)	61 (23.6%)	6 (2.3%)	209 (72.6%)	75 (26.0%)	4 (1.4%)	0.74
2516839	A,G	157826194	101 (39.0%)	112 (43.2%)	46 (17.8%)	107 (37.1%)	136 (47.2%)	45 (15.7%)	0.96
2516838	C,G	157827443	118 (45.6%)	116 (44.8%)	25 (9.6%)	127 (44.1%)	128 (44.4%)	33 (11.5%)	0.56
1556259	C,T	157827722	6 (2.6%)	52 (22.5%)	173 (74.9%)	4 (1.6%)	58 (23.4%)	186 (75.0%)	0.93
2774279	A,G	157830629	23 (1.0%)	106 (45.9%)	102 (44.1%)	29 (11.7%)	110 (44.4%)	109 (43.9%)	0.75
3813610	C,G	157835712	89 (38.5%)	99 (42.9%)	43 (18.6%)	96 (38.7%)	112 (45.2%)	40 (16.1%)	0.68
7516231	A,T	157842208	201 (77.6%)	52 (20.1%)	6 (2.3%)	213 (73.9%)	71 (24.7%)	4 (1.4%)	0.36

rs#	Alleles (1,2)	NCBI35 location	Utah cases			Utah controls			P*
			11	12	22	11	12	22	
836	C,T	157781297	89 (48.9%)	79 (43.4%)	14 (7.7%)	85 (51.5%)	73 (44.2%)	7 (4.3%)	0.35
790055	A,G	157784219	6 (3.3%)	54 (30.2%)	119 (66.5%)	6 (3.7%)	62 (38.0%)	95 (58.3%)	0.16
2481080	C,T	157789410	89 (49.4%)	77 (42.8%)	14 (7.8%)	85 (51.8%)	72 (43.9%)	7 (4.3%)	0.37
2988726	A,G	157791827	88 (48.3%)	80 (44.0%)	14 (7.7%)	85 (51.5%)	71 (43.0%)	9 (5.5%)	0.41
2251597	C,G	157800920	13 (7.1%)	80 (44.0%)	89 (48.9%)	7 (4.3%)	70 (42.4%)	88 (53.3%)	0.26
2481084	C,T	157802687	13 (7.3%)	80 (44.7%)	86 (48.0%)	7 (4.3%)	69 (42.1%)	88 (53.6%)	0.19
7546890	A,G	157808465	47 (26.4%)	87 (48.9%)	44 (24.7%)	41 (25.0%)	84 (51.2%)	39 (23.8%)	0.95
11799478	C,T	157809827	13 (7.1%)	80 (44.0%)	89 (48.9%)	7 (4.3%)	70 (42.4%)	88 (53.3%)	0.26
4339888	C,G	157820399	14 (7.7%)	79 (43.4%)	89 (48.9%)	7 (4.3%)	71 (43.0%)	87 (52.7%)	0.27
3766383	G,T	157821645	144 (79.1%)	33 (18.1%)	5 (2.8%)	129 (78.1%)	30 (18.2%)	6 (3.7%)	0.82
3737787	A,G	157822596	15 (8.2%)	76 (41.8%)	91 (50.0%)	7 (4.3%)	71 (43.0%)	87 (52.7%)	0.31
2516840	C,T	157824390	97 (53.3%)	66 (36.3%)	19 (10.4%)	82 (49.7%)	65 (39.4%)	18 (10.9%)	0.58
2073656	C,G	157824428	91 (50.6%)	74 (41.1%)	15 (8.3%)	87 (53.0%)	70 (42.7%)	7 (4.3%)	0.32
2073653	A,G	157825833	144 (79.1%)	33 (18.1%)	5 (2.8%)	130 (78.8%)	29 (17.6%)	6 (3.6%)	0.92
2516839	A,G	157826194	78 (42.9%)	81 (44.5%)	23 (12.6%)	61 (37.0%)	77 (46.7%)	27 (16.3%)	0.20
2516838	C,G	157827443	77 (42.3%)	80 (44.0%)	25 (13.7%)	67 (40.6%)	82 (49.7%)	16 (9.7%)	0.75
1556259	C,T	157827722	5 (2.8%)	40 (22.2%)	135 (75.0%)	6 (3.7%)	29 (17.7%)	129 (78.6%)	0.48
2774279	A,G	157830629	21 (11.8%)	80 (44.9%)	77 (43.3%)	16 (9.8%)	81 (49.4%)	67 (40.8%)	0.96
3813610	C,G	157835712	76 (42.2%)	81 (45.0%)	23 (12.8%)	60 (36.8%)	76 (46.6%)	27 (16.6%)	0.22
7516231	A,T	157842208	148 (81.3%)	30 (16.5%)	4 (2.2%)	133 (80.6%)	28 (17.0%)	4 (2.4%)	0.87

rs#	Alleles (1,2)	NCBI35 location	Amish cases			Amish controls			P <sup>†</sup>
			11	12	22	11	12	22	
836	C,T	157781297	75 (50.0%)	61 (40.7%)	14 (9.3%)	160 (44.3%)	163 (45.2%)	38 (10.5%)	0.48
790055	A,G	157784219	9 (6.0%)	53 (35.3%)	88 (58.7%)	10 (2.8%)	123 (35.0%)	219 (62.2%)	0.63
2481080	C,T	157789410	75 (50.0%)	61 (40.7%)	14 (9.3%)	159 (44.9%)	159 (44.9%)	36 (10.2%)	0.52
2988726	A,G	157791827	75 (50.0%)	61 (40.7%)	14 (9.3%)	160 (44.3%)	163 (45.2%)	38 (10.5%)	0.48
2251597	C,G	157800920	14 (9.3%)	61 (40.7%)	75 (50.0%)	37 (10.2%)	164 (45.4%)	160 (44.3%)	0.50
2481084	C,T	157802687	14 (9.4%)	61 (40.9%)	74 (49.7%)	36 (10.2%)	158 (44.8%)	159 (45.0%)	0.56
7546890	A,G	157808465	30 (20.1%)	74 (49.7%)	45 (30.2%)	86 (24.5%)	155 (44.0%)	111 (31.5%)	1.00
11799478	C,T	157809827	14 (9.4%)	62 (41.3%)	74 (49.3%)	37 (10.2%)	164 (45.4%)	160 (44.3%)	0.61
4339888	C,G	157820399	14 (9.3%)	61 (40.7%)	75 (50.0%)	37 (10.2%)	163 (45.2%)	161 (44.6%)	0.50
3766383	G,T	157821645	123 (82.0%)	24 (16.0%)	3 (2.0%)	279 (77.3%)	73 (20.2%)	9 (2.5%)	0.64
3737787	A,G	157822596	14 (9.3%)	61 (40.7%)	75 (50.0%)	37 (10.2%)	164 (45.4%)	160 (44.3%)	0.50
2516840	C,T	157824390	75 (50.0%)	57 (38.0%)	18 (12.0%)	185 (51.3%)	142 (39.3%)	34 (9.4%)	0.78
2073656	C,G	157824428	75 (50.0%)	61 (40.7%)	14 (9.3%)	157 (44.9%)	157 (44.9%)	36 (10.2%)	0.50
2073653	A,G	157825833	123 (82.0%)	25 (16.7%)	2 (1.3%)	279 (77.3%)	77 (21.3%)	5 (1.4%)	0.57
2516839	A,G	157826194	57 (38.0%)	76 (50.7%)	17 (11.3%)	149 (41.3%)	164 (45.4%)	48 (13.3%)	0.95
2516838	C,G	157827443	61 (40.7%)	77 (51.3%)	12 (8.0%)	168 (46.5%)	162 (44.9%)	31 (8.6%)	0.31
1556259	C,T	157827722	2 (1.3%)	24 (16.1%)	123 (82.6%)	5 (1.4%)	76 (21.5%)	272 (77.1%)	0.30
2774279	A,G	157830629	12 (8.0%)	79 (52.7%)	59 (39.3%)	31 (8.7%)	162 (45.8%)	161 (45.5%)	0.29
3813610	C,G	157835712	57 (38.3%)	76 (51.0%)	16 (10.7%)	145 (41.4%)	157 (44.9%)	48 (13.7%)	0.70
7516231	A,T	157842208	123 (82.0%)	25 (16.7%)	2 (1.3%)	279 (77.3%)	77 (21.3%)	5 (1.4%)	0.57

rs#	Alleles (1,2)	NCBI35 location	Hong Kong cases			Hong Kong controls			P*
			11	12	22	11	12	22	
836	C,T	157781297	50 (80.7%)	9 (14.5%)	3 (4.8%)	43 (68.2%)	19 (30.2%)	1 (1.6%)	0.16
790055	A,G	157784219	1 (1.8%)	19 (33.9%)	36 (64.3%)	1 (1.6%)	18 (28.1%)	45 (70.3%)	0.53
2481080	C,T	157789410	52 (81.2%)	9 (14.1%)	3 (4.7%)	43 (67.2%)	20 (31.2%)	1 (1.6%)	0.10
2988726	A,G	157791827	50 (80.7%)	9 (14.5%)	3 (4.8%)	43 (68.2%)	19 (30.2%)	1 (1.6%)	0.16
2251597	C,G	157800920	3 (4.8%)	9 (14.5%)	50 (80.7%)	1 (1.6%)	19 (30.2%)	43 (68.2%)	0.16
2481084	C,T	157802687	3 (4.7%)	9 (14.1%)	52 (82.2%)	1 (1.6%)	20 (31.2%)	43 (67.2%)	0.10
7546890	A,G	157808465	32 (50%)	25 (39.1%)	7 (10.9%)	29 (46%)	26 (41.3%)	8 (12.7%)	0.64
11799478	C,T	157809827	3 (4.8%)	9 (14.5%)	50 (80.7%)	1 (1.6%)	19 (30.2%)	43 (68.2%)	0.16
4339888	C,G	157820399	3 (4.8%)	8 (12.9%)	51 (82.3%)	1 (1.6%)	17 (27%)	45 (71.4%)	0.20
3766383	G,T	157821645	20 (32.3%)	24 (38.7%)	18 (29%)	14 (22.2%)	32 (50.8%)	17 (27%)	0.55
3737787	A,G	157822596	3 (4.8%)	8 (12.9%)	51 (82.3%)	1 (1.6%)	17 (27%)	45 (71.4%)	0.20
2516840	C,T	157824390	43 (69.4%)	16 (25.8%)	3 (4.8%)	40 (63.5%)	21 (33.3%)	2 (3.2%)	0.96
2073656	C,G	157824428	53 (82.8%)	8 (12.5%)	3 (4.7%)	45 (70.3%)	18 (28.1%)	1 (1.6%)	0.14
2073653	A,G	157825833	19 (30.7%)	25 (40.3%)	18 (29%)	14 (22.2%)	32 (50.8%)	17 (27%)	0.63
2516839	A,G	157826194	11 (17.7%)	21 (33.9%)	30 (48.4%)	5 (7.9%)	24 (38.1%)	34 (54%)	0.30
2516838	C,G	157827443	37 (59.7%)	21 (33.9%)	4 (6.4%)	49 (77.8%)	13 (20.6%)	1 (1.6%)	0.03
1556259	C,T	157827722	19 (29.7%)	26 (40.6%)	19 (29.7%)	17 (26.6%)	31 (48.4%)	16 (25%)	0.91
2774279	A,G	157830629							
3813610	C,G	157835712	11 (17.2%)	22 (34.4%)	31 (48.4%)	5 (7.8%)	26 (40.6%)	33 (51.6%)	0.43
7516231	A,T	157842208	28 (45.2%)	28 (45.2%)	6 (9.6%)	32 (50.8%)	25 (39.7%)	6 (9.5%)	0.62

rs#	Alleles (1,2)	NCBI35 location	Shanghai cases			Shanghai controls			P*
			11	12	22	11	12	22	
836	C,T	157781297	50 (62.5%)	25 (31.3%)	5 (6.0%)	50 (62.5%)	26 (32.5%)	4 (5.0%)	0.99
790055	A,G	157784219							
2481080	C,T	157789410	50 (63.3%)	24 (30.4%)	5 (6.3%)	49 (62%)	26 (32.9%)	4 (5.1%)	0.96
2988726	A,G	157791827							
2251597	C,G	157800920	5 (6.3%)	26 (32.5%)	49 (61.2%)	4 (5.0%)	26 (32.5%)	50 (62.5%)	0.87
2481084	C,T	157802687	5 (6.3%)	25 (31.7%)	49 (62.0%)	4 (5.1%)	26 (32.9%)	49 (62%)	0.99
7546890	A,G	157808465	36 (45.6%)	35 (44.3%)	8 (10.1%)	36 (45.6%)	35 (44.3%)	8 (10.1%)	1.00
11799478	C,T	157809827	5 (3.3%)	26 (32.5%)	49 (61.2%)	4 (5.0%)	26 (32.5%)	50 (62.5%)	0.87
4339888	C,G	157820399	3 (3.7%)	27 (33.8%)	50 (62.5%)	3 (3.7%)	26 (32.5%)	51 (63.8%)	0.92
3766383	G,T	157821645	21 (26.2%)	35 (43.8%)	24 (30.0%)	20 (25.0%)	35 (43.8%)	25 (31.2%)	0.83
3737787	A,G	157822596	3 (3.7%)	27 (33.8%)	50 (62.5%)	3 (3.7%)	27 (33.8%)	50 (62.5%)	1.00
2516840	C,T	157824390	64 (80.0%)	15 (18.8%)	1 (1.2%)	63 (78.8%)	16 (20%)	1 (1.2%)	0.93
2073656	C,G	157824428	50 (63.3%)	26 (33.9%)	3 (3.8%)	49 (62.0%)	27 (34.2%)	3 (3.8%)	0.92
2073653	A,G	157825833	21 (36.2%)	35 (43.8%)	24 (30%)	20 (25.0%)	35 (43.8%)	25 (31.2%)	0.83
2516839	A,G	157826194	13 (16.2%)	34 (42.5%)	33 (41.3%)	10 (12.5%)	36 (45%)	34 (42.5%)	0.65
2516838	C,G	157827443	54 (67.5%)	25 (31.2%)	1 (1.3%)	60 (75.0%)	17 (21.2%)	3 (3.8%)	0.38
1556259	C,T	157827722	24 (30.4%)	34 (43%)	21 (26.6%)	24 (30.4%)	35 (44.3%)	20 (25.3%)	0.92
2774279	A,G	157830629	1 (1.3%)	26 (32.9%)	52 (65.8%)	3 (3.8%)	17 (21.5%)	59 (74.7%)	0.29
3813610	C,G	157835712	13 (16.4%)	33 (41.8%)	33 (41.8%)	10 (12.6%)	36 (45.6%)	33 (41.8%)	0.73
7516231	A,T	157842208	39 (48.8%)	33 (41.2%)	8 (10.0%)	32 (40.0%)	40 (50.0%)	8 (10.0%)	0.40

rs#	Alleles (1,2)	NCBI35 location	Pima cases			Pima controls			P*
			11	12	22	11	12	22	
836	C,T	157781297	73 (37.2%)	94 (48%)	29 (14.8%)	88 (45.1%)	83 (42.6%)	24 (12.3%)	0.14
790055	A,G	157784219							
2481080	C,T	157789410	74 (37.2%)	94 (47.2%)	31 (15.6%)	90 (45.5%)	84 (42.4%)	24 (12.1%)	0.09
2988726	A,G	157791827	73 (37.2%)	96 (49.0%)	27 (13.8%)	87 (44.6%)	89 (45.6%)	19 (9.7%)	0.09
2251597	C,G	157800920	29 (14.8%)	93 (47.4%)	74 (37.8%)	24 (12.3%)	85 (43.6%)	86 (44.1%)	0.20
2481084	C,T	157802687	31 (15.6%)	95 (47.7%)	73 (36.7%)	24 (12.2%)	87 (43.9%)	87 (43.9%)	0.12
7546890	A,G	157808465	44 (22.2%)	99 (50.0%)	55 (27.8%)	55 (27.8%)	93 (47.0%)	50 (25.2%)	0.26
11799478	C,T	157809827	29 (14.8%)	93 (47.4%)	74 (37.8%)	24 (12.3%)	85 (43.6%)	86 (44.1%)	0.20
4339888	C,G	157820399	28 (14.3%)	92 (46.9%)	76 (38.8%)	24 (12.3%)	85 (43.6%)	86 (44.1%)	0.29
3766383	G,T	157821645	55 (28.1%)	101 (53.5%)	40 (20.4%)	53 (27.2%)	97 (49.7%)	45 (23.1%)	0.62
3737787	A,G	157822596	26 (13.2%)	94 (48.0%)	76 (38.8%)	24 (12.3%)	84 (43.1%)	87 (44.6%)	0.32
2516840	C,T	157824390	143 (73%)	48 (24.5%)	5 (2.5%)	135 (69.3%)	57 (29.2%)	3 (1.5%)	0.48
2073656	C,G	157824428	78 (39.2%)	93 (46.7%)	28 (14.1%)	89 (45.2%)	84 (42.6%)	24 (12.2%)	0.25
2073653	A,G	157825833	55 (28.1%)	101 (51.5%)	40 (20.4%)	54 (27.7%)	96 (49.2%)	45 (23.1%)	0.67
2516839	A,G	157826194	28 (14.3%)	99 (50.5%)	69 (35.2%)	26 (13.3%)	88 (45.1%)	81 (41.6%)	0.29
2516838	C,G	157827443	187 (95.4%)	9 (4.6%)	0 (0%)	187 (95.9%)	8 (4.1%)	0 (0%)	1.00
1556259	C,T	157827722	41 (20.6%)	101 (50.8%)	57 (28.6%)	50 (25.2%)	94 (47.5%)	54 (27.3%)	0.40
2774279	A,G	157830629	0 (0%)	10 (5.0%)	189 (95.0%)	0 (0%)	9 (4.6%)	189 (95.4%)	1.00
3813610	C,G	157835712	30 (15.1%)	100 (50.2%)	69 (34.7%)	26 (13.2%)	88 (44.7%)	83 (42.1%)	0.17
7516231	A,T	157842208	85 (43.4%)	87 (44.4%)	24 (12.2%)	74 (38.0%)	95 (48.7%)	26 (13.3%)	0.34

\*P values are for the additive model. Where any cell contains <6 counts, exact P is reported.

†P values for the Amish are corrected for family structure