

Supplementary Table 1. Characteristics of SNPs used in a 6.16-Mb region around linkage peak at marker D4S3240 on 4q25 in 270 unrelated founders from 240 families

Marker number	dbSNP number	Alleles	Physical map location (bp)	Distance from previous marker (bp)	Gene	SNP type	MAF ^a	<i>P</i> value for departure from HWE ^a
1	rs12512339	C/G	106812066			Intergenic	0.067	1.0000
2	rs2553432	A/G	107020489	208423		Intergenic	0.077	0.0505
3	rs2156508	A/G	107125596	105107		Intergenic	0.42	1.0000
4	rs2290607	C/T	107332748	207152	<i>MGC16169</i>	Intron 20	0.117	0.5548
5	rs2280632	A/G	107593659	260911		Intergenic	0.296	0.4700
6	rs975416	A/C	107793096	199437		Intergenic	0.134	0.7877
7	rs13122611	A/G	107975675	182579		Intergenic	0.239	1.0000
8	rs12508812	C/T	108162183	186508	<i>DKK2</i>	Intron 1	0.454	0.5392
9	rs3797004	A/G	108344155	181972		Intergenic	0.203	1.0000
10	rs3797005	A/G	108344321	166		Intergenic	0.492	0.3774
11	rs1001950	A/C	108594423	250102		Intergenic	0.181	1.0000
12	rs1989929	A/G	108633139	38716		Intergenic	0.335	0.2044
13	rs12643758	A/C	108650044	16905		Intergenic	0.382	0.4284
14	rs1877863	C/T	108673974	23930		Intergenic	0.17	1.0000
15	rs2672470	A/G	108683523	9549		Intergenic	0.381	0.5148
16	rs1514728	G/T	108694035	10512		Intergenic	0.49	0.4522
17	rs3936010	C/G	108707307	13272		Intergenic	0.1	0.4909
18	rs1355990	C/T	108711815	4508		Intergenic	0.49	0.3836
19	rs932100	A/G	108726033	14218		Intergenic	0.383	0.3507
20	rs4451005	A/T	108733220	7187		Intergenic	0.346	0.8946
21	rs2726165	C/T	108742465	9245		Intergenic	0.102	1.0000
22	rs9569	A/G	108754784	12319	<i>PAPSS1</i>	3' UTR	0.357	0.8913
23	rs2726670	A/G	108755834	1050	<i>PAPSS1</i>	Intron 11	0.5	0.9015
24	rs2726673	A/C	108760731	4897	<i>PAPSS1</i>	Intron 11	0.111	0.5402
25	rs4956112	A/T	108772052	11321	<i>PAPSS1</i>	Intron 11	0.37	0.7876
26	rs2726659	A/G	108784664	12612	<i>PAPSS1</i>	Intron 10	0.105	1.0000
27	rs11934943	A/G	108785058	394	<i>PAPSS1</i>	Intron 10	0.364	1.0000
28	rs2271590	C/T	108794554	9496	<i>PAPSS1</i>	Intron 8	0.361	0.8901
29	rs973213	C/T	108799656	5102	<i>PAPSS1</i>	Intron 6	0.106	1.0000
30	rs4956024	C/T	108812114	12458	<i>PAPSS1</i>	Intron 5	0.372	0.6778
31	rs3805346	C/T	108821485	9371	<i>PAPSS1</i>	Intron 5	0.103	0.7379

^aMAF=minor-allele frequency; HWE=Hardy-Weinberg equilibrium

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32	rs6826884	A/T	108830115	8630	<i>PAPSS1</i>	Intron 3	0.39	0.0636
33	rs13110240	C/T	108841924	11809	<i>PAPSS1</i>	Intron 1	0.407	0.0934
34	rs2428401	G/T	108845241	3317	<i>PAPSS1</i>	Intron 1	0.088	0.1236
35	rs3805350	A/T	108858887	13646	<i>PAPSS1</i>	Intron 1	0.411	0.0567
36	rs11934107	A/G	108891440	32553		Intergenic	0.194	0.6910
37	rs7685557	C/G	108913573	22133		Intergenic	0.204	1.0000
38	rs4479785	A/T	108931353	17780		Intergenic	0.203	0.8485
39	rs4395588	A/G	109080427	149074	<i>CYP2U1</i>	Intron 1	0.203	1.0000
40	rs7442180	A/C	109096732	16305		Intergenic	0.216	0.6914
41	rs221330	A/G	109140816	44084	<i>HADHSC</i>	Intron 1	0.284	0.7624
42	rs3797001	C/T	109226367	85551	<i>LEF1</i>	Intron 4	0.286	1.0000
43	rs2343113	A/G	109324131	97764	<i>LOC644993</i>	Intron 2	0.257	0.4075
44	rs2649787	C/T	109421043	96912		Intergenic	0.114	0.1111
45	rs1452397	A/G	109524846	103803		Intergenic	0.314	0.7817
46	rs7654972	C/T	109626948	102102		Intergenic	0.371	0.5895
47	rs3796938	C/T	109730683	103735		Intergenic	0.434	0.5357
48	rs2851374	C/G	109807687	77004	<i>DC2</i>	Intron 3	0.301	0.6542
49	rs2305438	A/G	109954162	146475	<i>COL25A1</i>	3' near gene	0.456	0.7033
	D4S3240		110014057	59895				
50	rs4956066	C/G	110112496	98439	<i>COL25A1</i>	Intron 8	0.2	0.8350
51	rs2704108	A/G	110292774	180278	<i>COL25A1</i>	Intron 3	0.261	0.8749
52	rs978632	A/C	110387308	94534	<i>COL25A1</i>	Intron 3	0.262	0.6348
53	rs7700022	C/G	110441670	54362	<i>COL25A1</i>	Intron 2	0.412	0.3102
54	rs4698837	C/G	110705171	263501	<i>CCDC109B</i>	Intron 1	0.305	0.1919
55	rs2285712	C/T	110826162	120991	<i>CCDC109B</i>	Intron 7	0.475	0.2143
56	rs10365	C/G	110965303	139141	<i>NOLA1</i>	3' UTR	0.488	0.7072
57	rs2298979	A/G	111057575	92272	<i>EGF</i>	Intron 1	0.319	0.4788
58	rs1060427	A/G	111285251	227676	<i>ELOVL6</i>	Intron 1	0.216	1.0000
59	rs6811819	A/C	111393045	107794		Intergenic	0.331	0.3286
60	rs1126483	C/T	111629154	236109	<i>ENPEP</i>	Exon 2	0.344	0.8927
61	rs2739206	C/G	111774158	145004	<i>PITX2</i>	Intron 1	0.45	1.0000
62	rs7674295	A/G	111960887	186729		Intergenic	0.253	0.8686
63	rs159480	A/G	112166883	205996		Intergenic	0.239	0.6147

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64	rs10857013	A/G	112383233	216350		Intergenic	0.303	0.6556
65	rs1503669	A/T	112570128	186895		Intergenic	0.484	0.2574
66	rs7698118	A/G	112777741	207613		Intergenic	0.329	0.3276
67	rs7682154	A/G	112970661	192920		Intergenic	0.442	0.2642

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