

Supplemental Table 1. 60 9p21 SNPs considered for association with PMI based on logistic regression model

SNP	Chr 9 position	Allele (Minor/ Major)	Minor Allele Frequency		Covariate-adjusted additive genetic model*		
			Cases	Controls	Odds Ratio (95% CI)	Asymptotic P-value †	FWER
							permuted P-value ‡
rs10965189	21930588	A/C	0.03	0.04	0.76 (0.30-1.93)	0.559	1.000
rs10965197	21938666	T/C	0.45	0.42	1.11 (0.79-1.55)	0.540	1.000
rs2518722	21942926	T/C	0.27	0.31	0.82 (0.56-1.20)	0.310	1.000
rs12335941	21945669	G/A	0.37	0.42	0.82 (0.58-1.16)	0.266	1.000
rs2027938	21946078	A/G	0.25	0.28	0.89 (0.61-1.30)	0.535	1.000
rs9657608	21946230	T/C	0.09	0.10	0.98 (0.56-1.72)	0.952	1.000
rs7041637	21951866	A/C	0.31	0.30	1.02 (0.71-1.47)	0.916	1.000
rs3731257	21956221	T/C	0.29	0.26	1.11 (0.77-1.61)	0.569	1.000
rs11515	21958199	G/C	0.15	0.17	0.86 (0.55-1.33)	0.498	1.000
rs2811708	21963422	T/G	0.26	0.31	0.79 (0.54-1.15)	0.213	0.996
rs3731239	21964218	C/T	0.35	0.31	1.16 (0.81-1.64)	0.416	1.000
rs2811709	21970151	A/G	0.12	0.13	0.95 (0.59-1.54)	0.838	1.000

rs4074785	21971583	A/G	0.10	0.09	1.13 (0.66-1.93)	0.657	1.000
rs3731222	21973914	G/A	0.13	0.16	0.81 (0.50-1.32)	0.400	1.000
rs3731211	21976847	A/T	0.26	0.33	0.72 (0.50-1.06)	0.097	0.907
rs10757262	21977874	T/A	0.14	0.16	0.83 (0.52-1.30)	0.409	1.000
rs3218020	21987872	T/C	0.38	0.41	0.81 (0.58-1.13)	0.217	0.997
rs3218009	21988757	C/G	0.14	0.08	1.87 (1.15-3.04)	0.011	0.261
rs3217992	21993223	A/G	0.40	0.45	0.76 (0.54-1.07)	0.111	0.936
rs1063192	21993367	C/T	0.41	0.34	1.43 (1.01-2.01)	0.045	0.670
rs2069418	21999698	C/G	0.43	0.36	1.38 (0.98-1.94)	0.063	0.787
rs495490	22000412	C/T	0.10	0.10	1.08 (0.63-1.86)	0.790	1.000
rs573687	22001642	T/C	0.35	0.29	1.38 (0.96-1.96)	0.079	0.855
rs13298881	22002051	C/T	0.13	0.14	0.87 (0.54-1.41)	0.581	1.000
rs545226	22002422	C/T	0.43	0.46	0.86 (0.61-1.19)	0.357	1.000
rs643319	22007836	T/G	0.45	0.41	1.25 (0.90-1.76)	0.188	0.992
rs523096	22009129	C/T	0.43	0.35	1.43 (1.02-2.00)	0.038	0.604
rs518394	22009673	G/C	0.43	0.36	1.46 (1.03-2.05)	0.031	0.539
rs564398	22019547	G/A	0.40	0.32	1.52 (1.07-2.15)	0.020	0.398
rs17694493	22031998	G/C	0.14	0.14	0.94 (0.59-1.51)	0.801	1.000

rs1412830	22033612	A/G	0.36	0.29	1.48 (1.05-2.09)	0.027	0.498
rs1011970	22052134	T/G	0.15	0.18	0.85 (0.55-1.32)	0.477	1.000
rs10811650	22057593	A/G	0.55	0.49	1.37 (0.98-1.90)	0.064	0.792
rs10757270	22062719	A/G	0.55	0.48	1.36 (0.98-1.89)	0.063	0.787
rs1412832	22067543	C/T	0.31	0.22	1.58 (1.10-2.28)	0.013	0.290
rs10116277	22071397	G/T	0.53	0.40	1.79 (1.29-2.51)	0.001	0.019
rs6475606	22071850	C/T	0.53	0.40	1.79 (1.28-2.50)	0.001	0.020
rs1547705	22072375	C/A	0.13	0.16	0.77 (0.48-1.23)	0.276	1.000
rs1333040	22073404	C/T	0.46	0.33	1.66 (1.20-2.28)	0.002	0.054
rs10738607	22078094	A/G	0.53	0.41	1.65 (1.19-2.30)	0.003	0.077
rs10757272	22078260	C/T	0.52	0.41	1.59 (1.14-2.21)	0.006	0.157
rs4977574	22088574	A/G	0.52	0.40	1.63 (1.17-2.27)	0.004	0.103
rs10125231	22092128	A/G	0.02	0.04	0.53 (0.16-1.75)	0.297	1.000
rs1333042	22093813	A/G	0.50	0.38	1.65 (1.19-2.30)	0.003	0.079
rs2383206	22105026	A/G	0.50	0.38	1.67 (1.20-2.32)	0.002	0.061
rs2383207	22105959	A/G	0.50	0.37	1.71 (1.23-2.38)	0.002	0.040
rs1333045	22109195	T/C	0.50	0.39	1.63 (1.17-2.28)	0.004	0.113
rs10757278	22114477	A/G	0.54	0.42	1.70 (1.22-2.38)	0.002	0.052

rs10757279	22114630	A/G	0.54	0.42	1.65 (1.18-2.32)	0.004	0.098
rs1333048	22115347	A/C	0.51	0.40	1.64 (1.18-2.30)	0.004	0.098
rs1333049	22115503	C/G	0.54	0.42	1.67 (1.20-2.33)	0.003	0.066
rs2891169	22121825	G/A	0.39	0.40	0.92 (0.66-1.28)	0.626	1.000
rs2383208	22122076	G/A	0.14	0.19	0.66 (0.41-1.06)	0.084	0.870
rs10811661	22124094	C/T	0.13	0.18	0.68 (0.42-1.10)	0.117	0.946
rs10757283	22124172	T/C	0.43	0.44	0.92 (0.66-1.28)	0.603	1.000
rs6475610	22131894	T/C	0.49	0.49	0.99 (0.72-1.36)	0.947	1.000
rs10757289	22150454	C/G	0.46	0.41	1.23 (0.89-1.71)	0.214	0.997
rs1679013	22196987	T/C	0.51	0.50	1.08 (0.78-1.50)	0.659	1.000
rs10113901	22364032	C/T	0.49	0.49	0.97 (0.70-1.34)	0.837	1.000
rs7046709	22366970	G/A	0.34	0.34	1.00 (0.71-1.41)	0.987	1.000

Six most significant SNPs by asymptotic P-value selected for table 1 are shaded in grey.

SNP, single nucleotide polymorphism; Chr, chromosome; FWER, family-wise error rate; CI, confidence interval; MI, myocardial infarction

* The cohort-specific clinical model consists of predictors from the multivariable model in Table 2.

† Asymptotic P-value covariate adjusted ‡ Family-wise empirical P value is used to adjust for multiple comparisons.