

Supplementary Table S2: Characteristics of significant SNPs with genome-wide associations (P<5×10 ⁻⁵) for IS on MMP-1																																		
SNP	effect_al	other_all	effect_al	other_all	beta.expo	beta.outc	eaf.expos	eaf.outc	remove	palindrom	ambiguous	id.outcom	se.outcom	pval.outc	samplesiz	outcome	mr_keep	o	pval_orig	data_sour	pos.expos	pos.expo	se.expos	se.expo	action	SNP_index	mr_keep	R2	f	meanf				
rs1048821	T	A	T	A	0.047017	0.007	0.208999	0.1846	FALSE	TRUE	FALSE	EmctNB	0.0155	0.652	14296	outcome	TRUE	reported	textfile	1.33E+08	4.92E-06	0.010292	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	5.71E-05	20.86997	28.95116
rs1076813	G	A	G	A	0.042048	0.0311	0.506161	0.5083	FALSE	FALSE	FALSE	EmctNB	0.0119	0.00896	14296	outcome	TRUE	reported	textfile	1.04E+08	6.03E-07	0.008426	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.82E-05	24.90205	28.95116
rs1081261	C	T	C	T	-0.04389	-0.0085	0.303109	0.3015	FALSE	FALSE	FALSE	EmctNB	0.0128	0.507	14733	outcome	TRUE	reported	textfile	27545547	1.77E-06	0.009185	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.25E-05	22.82989	28.95116
rs1088643	G	A	G	A	0.085321	0.0229	0.093131	0.1255	FALSE	FALSE	FALSE	EmctNB	0.0191	0.231	14296	outcome	TRUE	reported	textfile	1.19E+08	4.43E-09	0.014542	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	9.42E-05	34.42414	28.95116
rs1157050	A	C	A	C	0.044865	-0.0123	0.243779	0.2221	FALSE	FALSE	FALSE	EmctNB	0.0144	0.393	14296	outcome	TRUE	reported	textfile	47151194	4.62E-06	0.009793	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	5.75E-05	20.99038	28.95116
rs1166692	G	A	G	A	-0.0609	-0.0035	0.2298	0.2869	FALSE	FALSE	FALSE	EmctNB	0.0129	0.786	14742	outcome	TRUE	reported	textfile	11065175	1.32E-09	0.010041	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	0.000101	36.78903	28.95116
rs1180392	A	G	A	G	0.112692	-0.0482	0.045662	0.0669	FALSE	FALSE	FALSE	EmctNB	0.0243	0.0473	14725	outcome	TRUE	reported	textfile	1.61E+08	1.66E-08	0.019965	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	8.72E-05	31.859	28.95116
rs1251287	T	G	T	G	0.056853	0.0082	0.229141	0.1644	FALSE	FALSE	FALSE	EmctNB	0.0161	0.611	14739	outcome	TRUE	reported	textfile	1.55E+08	1.20E-08	0.009975	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	8.89E-05	32.48434	28.95116
rs1314330	T	G	T	G	-0.04568	0.0049	0.693099	0.7911	FALSE	FALSE	FALSE	EmctNB	0.0163	0.764	11793	outcome	TRUE	reported	textfile	1.11E+08	5.29E-07	0.009108	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.89E-05	25.15651	28.95116
rs1318056	C	T	C	T	-0.048	-0.0132	0.225508	0.1748	FALSE	FALSE	FALSE	EmctNB	0.0158	0.403	14296	outcome	TRUE	reported	textfile	1.59E+08	2.17E-06	0.010134	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.14E-05	22.4357	28.95116
rs1379430	A	G	A	G	0.15336	-0.0511	0.018109	0.0234	FALSE	FALSE	FALSE	EmctNB	0.0497	0.304	13394	outcome	TRUE	reported	textfile	99613860	1.09E-06	0.031459	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.50E-05	23.76468	28.95116
rs1472648	G	C	G	C	-1.66696	-0.132	0.000292	0.0069	FALSE	TRUE	FALSE	EmctNB	0.0874	0.131	11309	outcome	TRUE	reported	textfile	89660229	1.88E-06	0.349746	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.22E-05	22.71655	28.95116
rs1497827	G	A	G	A	0.129175	0.0907	0.022142	0.011	FALSE	FALSE	FALSE	EmctNB	0.0701	0.196	13394	outcome	TRUE	reported	textfile	84108925	3.72E-06	0.027922	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	5.86E-05	21.40205	28.95116
rs1747717	C	T	C	T	0.047129	-0.0217	0.296346	0.2002	FALSE	FALSE	FALSE	EmctNB	0.0147	0.14	14744	outcome	TRUE	reported	textfile	1.07E+08	2.94E-07	0.009191	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	7.20E-05	26.29169	28.95116
rs2396004	A	G	A	G	-0.04141	-0.0027	0.620566	0.5641	FALSE	FALSE	FALSE	EmctNB	0.0119	0.821	14729	outcome	TRUE	reported	textfile	43388113	1.65E-06	0.00864	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.29E-05	22.96802	28.95116
rs3523697	G	A	G	A	-0.07056	0.0188	0.12597	0.1533	FALSE	FALSE	FALSE	EmctNB	0.0168	0.263	14731	outcome	TRUE	reported	textfile	27596062	4.22E-08	0.012872	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	8.22E-05	30.04454	28.95116
rs3776299	A	G	A	G	0.044738	0.0014	0.504616	0.4464	FALSE	FALSE	FALSE	EmctNB	0.0118	0.906	14742	outcome	TRUE	reported	textfile	1.43E+08	1.14E-07	0.008438	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	7.69E-05	28.11287	28.95116
rs3918226	T	C	T	C	0.087614	-0.0259	0.069497	0.0874	FALSE	FALSE	FALSE	EmctNB	0.022	0.239	14723	outcome	TRUE	reported	textfile	1.51E+08	9.34E-08	0.01641	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	7.80E-05	28.5052	28.95116
rs4762728	T	C	T	C	-0.03927	0.0051	0.461298	0.3998	FALSE	FALSE	FALSE	EmctNB	0.0137	0.71	12412	outcome	TRUE	reported	textfile	22094469	4.55E-06	0.008565	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	5.75E-05	21.01921	28.95116
rs5589921	G	T	G	T	-0.04993	-0.0135	0.212861	0.1606	FALSE	FALSE	FALSE	EmctNB	0.0161	0.402	14728	outcome	TRUE	reported	textfile	11615048	1.34E-06	0.01033	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.40E-05	23.36557	28.95116
rs6214192	A	G	A	G	-0.05956	-0.0093	0.134209	0.1542	FALSE	FALSE	FALSE	EmctNB	0.0164	0.571	14724	outcome	TRUE	reported	textfile	58363552	1.79E-06	0.012471	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.24E-05	22.80592	28.95116
rs6219770	A	G	A	G	0.065127	0.0113	0.094864	0.0917	FALSE	FALSE	FALSE	EmctNB	0.0208	0.587	14730	outcome	TRUE	reported	textfile	1.87E+08	4.49E-06	0.014197	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	5.76E-05	21.04333	28.95116
rs6239768	T	C	T	C	0.060788	-0.0028	0.218152	0.1829	FALSE	FALSE	FALSE	EmctNB	0.0153	0.855	14744	outcome	TRUE	reported	textfile	32834232	1.99E-09	0.010133	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	9.85E-05	35.98559	28.95116
rs6248043	G	T	G	T	-0.04125	0.0016	0.369217	0.3449	FALSE	FALSE	FALSE	EmctNB	0.0129	0.901	14296	outcome	TRUE	reported	textfile	1.56E+08	3.21E-06	0.008859	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	5.94E-05	21.6845	28.95116
rs6657811	T	A	T	A	-0.06455	-0.0333	0.101838	0.1237	FALSE	TRUE	FALSE	EmctNB	0.0183	0.0688	14722	outcome	TRUE	reported	textfile	1.09E+08	3.97E-06	0.013994	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	5.82E-05	21.27914	28.95116
rs7137828	T	C	T	C	-0.04505	-0.0366	0.587192	0.5234	FALSE	FALSE	FALSE	EmctNB	0.0134	0.00631	11345	outcome	TRUE	reported	textfile	1.11E+08	1.30E-07	0.008534	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	7.63E-05	27.86993	28.95116
rs7145525	A	G	A	G	0.069868	0.0032	0.107912	0.1314	FALSE	FALSE	FALSE	EmctNB	0.0181	0.86	14729	outcome	TRUE	reported	textfile	53699257	2.09E-07	0.013459	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	7.38E-05	26.94966	28.95116
rs7188578	A	G	A	G	-0.14014	0.0847	0.978151	0.9689	FALSE	FALSE	FALSE	EmctNB	0.0423	0.0452	14296	outcome	TRUE	reported	textfile	81111451	9.06E-07	0.028536	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.60E-05	24.11752	28.95116
rs7330686	A	G	A	G	0.054951	-0.0219	0.162465	0.1237	FALSE	FALSE	FALSE	EmctNB	0.0183	0.231	14736	outcome	TRUE	reported	textfile	59150608	1.27E-06	0.011343	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.42E-05	23.4685	28.95116
rs736699	A	G	A	G	-0.04675	-0.0082	0.548823	0.6029	FALSE	FALSE	FALSE	EmctNB	0.012	0.494	14739	outcome	TRUE	reported	textfile	26691062	3.16E-08	0.00845	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	8.38E-05	30.60476	28.95116
rs7453657	G	T	G	T	0.065452	-0.0291	0.141565	0.1306	FALSE	FALSE	FALSE	EmctNB	0.0176	0.0982	14296	outcome	TRUE	reported	textfile	1315781	4.41E-08	0.011958	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	8.20E-05	29.95994	28.95116
rs7542713	G	A	G	A	-0.04271	0.0151	0.419214	0.3947	FALSE	FALSE	FALSE	EmctNB	0.012	0.208	14735	outcome	TRUE	reported	textfile	1.69E+08	5.77E-07	0.008545	exposure	TRUE	reported	u1S7w6	textfile	365318	2	1	TRUE	6.84E-05	24.98658	28.95116
rs7570797	A	G	A	G																														