

**S8 Table.** Polymorphisms associated with gastric cancer susceptibility with p-value of  $<5 \times 10^{-5}$  conditioning on *PSCA* gene in discovery phase and results of the validation phase and meta-analysis in male

Character				Phase I (GWAS phase)					Phase II (Validation phase)					Meta-analysis	
SNP	CHR	BP	MA	No.	MAF in cases	MAF in controls	Odds ratio	p-value	No.	MAF in cases	MAF in controls	Odds ratio	p-value	Odds ratio	p-value
rs138056339	6	348125	A	805	0.04	0.04	0.21 (0.1-0.42)	9.4E-06							
rs117229601	9	135203882	C	836	0.02	0.02	0.17 (0.08-0.38)	1.5E-05							
rs7002225	8	128428823	G	836	0.42	0.40	1.56 (1.27-1.92)	1.8E-05							
rs6936644	6	28285175	T	835	0.48	0.49	1.56 (1.27-1.9)	1.8E-05	2,175	0.44	0.48	1.07 (0.93-1.24)	0.3231	1.22 (1.08-1.37)	0.0010
rs9468334	6	28272948	C	824	0.48	0.49	1.56 (1.27-1.91)	2E-05	2,176	0.45	0.48	1.07 (0.93-1.24)	0.3331	1.21 (1.08-1.36)	0.0012
rs150166147	1	55337163	A	811	0.05	0.04	0.22 (0.11-0.45)	2.6E-05							
rs200585917	16	49670325	A	836	0.04	0.04	0.23 (0.11-0.45)	2.7E-05							
rs137966407	6	142468446	A	802	0.04	0.04	0.23 (0.11-0.46)	3.5E-05							
rs7669841	4	106165743	C	803	0.30	0.30	1.58 (1.27-1.97)	3.6E-05	2,169	0.31	0.30	0.92 (0.79-1.07)	0.2850	1.1 (0.97-1.24)	0.1405
rs7215433	17	48489042	C	835	0.26	0.28	0.59 (0.46-0.76)	3.8E-05	2,174	0.25	0.26	0.95 (0.81-1.12)	0.5488	0.83 (0.72-0.95)	0.0060
rs1256531	14	65747759	G	836	0.21	0.21	1.69 (1.31-2.17)	4E-05							
rs3803800	17	7462969	A	836	0.37	0.34	1.55 (1.26-1.92)	4.1E-05							
rs7218110	17	48493120	C	832	0.26	0.28	0.59 (0.46-0.76)	4.2E-05	2,144	0.25	0.25	0.9 (0.76-1.07)	0.2270	0.79 (0.69-0.91)	0.0011
rs11079914	17	48477246	G	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,174	0.25	0.26	0.95 (0.81-1.12)	0.5456	0.83 (0.72-0.95)	0.0062
rs1468317	17	48462239	C	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,174	0.25	0.26	0.95 (0.81-1.12)	0.5612	0.83 (0.72-0.95)	0.0066
rs2107572	17	48480802	T	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,175	0.25	0.26	0.95 (0.81-1.12)	0.5387	0.83 (0.72-0.95)	0.0060
rs2412315	17	48480097	G	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,174	0.25	0.26	0.95 (0.81-1.12)	0.5456	0.83 (0.72-0.95)	0.0062
rs2412318	17	48488114	A	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,174	0.25	0.26	0.95 (0.81-1.12)	0.5347	0.82 (0.72-0.95)	0.0059
rs3760407	17	48472270	T	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,175	0.25	0.26	0.95 (0.81-1.12)	0.5650	0.83 (0.72-0.95)	0.0067
rs3760413	17	48452776	C	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,171	0.25	0.26	0.96 (0.81-1.13)	0.5902	0.83 (0.72-0.95)	0.0073
rs4793653	17	48473551	T	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,175	0.25	0.26	0.95 (0.81-1.12)	0.5650	0.83 (0.72-0.95)	0.0067
rs6504652	17	48487622	C	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,174	0.25	0.26	0.95 (0.81-1.12)	0.5347	0.82 (0.72-0.95)	0.0059
rs7216828	17	48490416	T	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,175	0.25	0.26	0.95 (0.81-1.12)	0.5295	0.82 (0.72-0.95)	0.0058
rs7217960	17	48485147	G	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,174	0.25	0.26	0.95 (0.81-1.12)	0.5347	0.82 (0.72-0.95)	0.0059
rs917027	17	48470462	C	836	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,177	0.25	0.26	0.95 (0.81-1.12)	0.5229	0.82 (0.72-0.95)	0.0057
rs201553091	5	140719317	A	792	0.04	0.04	0.22 (0.1-0.45)	4.3E-05							
rs9891288	17	48493888	G	828	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,136	0.25	0.25	0.9 (0.76-1.07)	0.2227	0.79 (0.69-0.91)	0.0010
rs9891511	17	48493954	G	828	0.26	0.28	0.59 (0.46-0.76)	4.3E-05	2,136	0.25	0.25	0.9 (0.76-1.07)	0.2227	0.79 (0.69-0.91)	0.0010
rs7663401	4	106128954	T	792	0.30	0.29	1.58 (1.27-1.98)	4.6E-05	2,177	0.31	0.30	0.93 (0.8-1.08)	0.3539	1.1 (0.97-1.25)	0.1237

rs146873655	17	11622752	A	836	0.04	0.04	0.24 (0.12-0.48)	4.8E-05								
rs149827217	1	161495065	T	836	0.04	0.04	0.24 (0.12-0.47)	4.9E-05								
rs138056339	6	348125	A	805	0.04	0.04	0.21 (0.1-0.42)	9.4E-06								
rs117229601	9	135203882	C	836	0.02	0.02	0.17 (0.08-0.38)	1.5E-05								
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rs9468334	6	28272948	C	824	0.48	0.49	1.56 (1.27-1.91)	2E-05	2,176	0.45	0.48	1.07 (0.93-1.24)	0.3331	1.21 (1.08-1.36)	0.0012	

MA, minor allele; MAF, minor allele frequency.