

Table SI. Scale for assessment of the quality of the studies.

Criteria	Score
1. Representativeness of cases	
Selected from population or cancer registry	2
Selected from a gastroenterology/surgery service	1
Selected without clear sampling frame or with broad inclusion/exclusion criteria	0
2. Credibility of controls	
Based in a population or neighbourhood	3
Blood donors or volunteers	2
Cancer-free patients	1
Healthy volunteers, with lack of total description	0.5
Gastroenterology patients	0.25
Not described	0
3. Ascertainment of gastric cancer	
Histological/pathological confirmation	2
Diagnosis by patient medical record	1
Not described	0
4. SNP genotyping	
Genotyping done under 'blinded' condition	1
Unblinded or not mentioned	0
5. Hardy-Weinberg equilibrium	
Hardy-Weinberg equilibrium in controls	2
No Hardy-Weinberg equilibrium in controls	1
Hardy-Weinberg disequilibrium not checked	0
6. Association assessment	
Association between SNPs and gastric cancer assessed with appropriate statistics and adjustment for confounders	2
Association between SNPs and gastric cancer assessed with appropriate statistics without adjustment for confounders	1
Not appropriate statistics	0

SNP, single nucleotide polymorphism.

Table SII. Quality assessment criteria scores for each study.

First author, year	Quality criteria ^a						Quality assessment score	Refs.
	1	2	3	4	5	6		
Chen <i>et al</i> , 2018	1	1	2	1	2	2	9	(26)
Cavalcante <i>et al</i> , 2017	0	0	0	1	2	2	5	(27)
Tas <i>et al</i> , 2017	1	0	2	1	2	2	8	(28)
Elingarami <i>et al</i> , 2015	1	1	2	1	2	1	8	(21)
Wu and Zhang, 2015	1	1	1	1	2	2	8	(31)
Moradi <i>et al</i> , 2013	1	0	2	1	2	2	8	(29)
Pan <i>et al</i> , 2013	1	1	2	1	2	2	9	(30)
Wang <i>et al</i> , 2009	1	3	2	1	2	2	11	(32)
Cho <i>et al</i> , 2008	1	0	0	1	2	2	6	(33)
Yang <i>et al</i> , 2007	1	3	2	1	2	2	11	(34)
Ohmiya <i>et al</i> , 2006	1	2	2	1	2	2	10	(23)

^aRefer to Table S1 for the criteria.