

Supplemental Table 1. Multivariate Regression Analysis of Clinical Predictors With and Without the Genetic Factor to Predict PSC risk in UC

Clinical/demographic predictors	unadjusted OR (95% CI)	Adjusted OR (95% CI) *	Adjusted OR (95% CI)#
Age at diagnosis: <20 y/o (Yes)	3.83 (2.14-6.85) <i>P</i> =1.51E-05	2.22 (1.16-4.25) <i>P</i> =.02	1.67 (0.82-3.41) <i>P</i> =.16
Disease duration (year) (S.D.)	<i>P</i> =1.76E-11	<i>P</i> =4.42E-09	<i>P</i> =1.48E-06
Ever smoke (Yes)	0.38 (0.18 -0.82) <i>P</i> =.007	0.42 (0.19 -0.96) <i>P</i> =.02	0.40 (0.16-0.98) <i>P</i> =.03
Extensive (pan-colitis) (Yes)	5.97 (2.12-16.7) <i>P</i> =1.92E-05	5.42 (1.87-15.7) <i>P</i> =1.57E-04	4.27 (1.40-13.0) <i>P</i> =.003
rs3131621 (G/A) chr06: 31,457,722	2.77 (1.86-4.14) <i>P</i> =1.75E-07	--	2.00 (1.26-3.18) <i>P</i> =.002
rs9275596 (C/T) chr06: 32,713,854	3.24 (2.15-4.89) <i>P</i> =2.70E-09	--	2.17 (1.35-3.49) <i>P</i> =.001
rs11244 (A/G) chr06: 32,812,947	3.15 (2.11-4.71) <i>P</i> =2.48E-09	--	2.29 (1.42-3.68) <i>P</i> =.0005

*Multivariate model: age at diagnosis, disease duration, ever smoking, extensive UC

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rs3131621, rs9275596, rs11244.