

Supplemental Table. Multiple Logistic Regression Results for Surgery.

Factors	GM-CSF Ab Elevation Defined as		
	≥ 4mcg/mL	≥ 3mcg/mL	≥ 2mcg/mL
Ileal Location	0.0022	0.0027	0.0023
Perianal	0.3114	0.2837	0.3055
Cohort	<.0001	<.0001	<.0001
Cohort*Perianal	0.0025	0.0025	0.0024
Cohort*NOD2	0.0342	0.0423	0.0370
Cohort*smoking	0.0294	0.0290	0.0287
NOD2	0.2821	0.3177	0.3024
NOD2*smoking	0.0406	0.0513	0.0462
Gender	0.9119	0.9822	0.9466
Age at diagnosis (>16 yrs)	0.5068	0.5992	0.6127
Disease Duration(>3 yrs)	0.0004	0.0003	0.0003
Elevated GM-CSF Ab	0.0822	0.0439	0.0707
Smoking	0.1800	0.1835	0.1712