

Supplementary Table 3.  
Results of "Within-Case" Association Analysis of UC Subphenotypes

SNP	Chr	Gene	Risk allele	Age at diagnosis	P value					
					Family history of disease	Smoking at diagnosis	Left-sided disease	Extensive disease	Proctitis	Need for surgery
rs2476601	1p13	<i>PTPN22</i>	G	.2946	.0974	.1274	.3852	.9136	.1611	.0485
rs9286879	1q24		G	.3431	.3411	.3602	.7264	.1846	.1916	.8766
rs2274910	1q23	<i>ITLN2</i>	C	.4727	.4439	.0926	.1182	.6106	.2940	.3299
rs11584383	1q32	<i>KIF21B</i>	T	.7753	.3776	.9400	.6304	.0826	.1426	.0180
rs10188217 <sup>a</sup>	2p16	<i>PUS10</i>	C	.7927	.2547	.8175	.6411	.7336	.7682	.6730
rs780094	2p23	<i>GCKR</i>	T	.1035	.2428	.0353	.7772	.8268	.4279	.9486
rs917997	2q11	<i>IL18RAP</i>	T	.7353	.3450	.3003	.7876	.7012	.4573	.0067
rs10045431	5q33	<i>IL12B</i>	C	.3151	.8044	.4326	.7491	.4312	.5908	.3929
rs12529198	6p25	<i>LYRM4</i>	G	.0330	.8672	.9536	.6067	.5637	.2241	.2442
rs6908425	6p22	<i>CDKAL1</i>	C	.3350	.0051	.0477	.0515	.1821	.7022	.3707
rs3763313	6p21	<i>BTNL2</i> <i>SLC26A3</i> <i>HLA-DRB1</i> <i>HLA-DQA</i>	C	.2077	.1396	.4107	.7309	.8911	.8269	.5164
rs17309827	6p25	<i>SLC22A23</i>	T	.5598	.4398	.0219	.4661	.6412	.7721	.8033
rs7758080	6q25		G	.3151	.4175	.0909	.6838	.1528	.1566	.7857
rs7749278	6q27	<i>CCR6</i>	T	.4922	.1473	.4246	.7346	.9254	.8562	.5684
rs1456893	7p12		A	.0209	.4857	.0053	.7290	.5968	.8284	.6810
rs1551398	8q24		A	.1983	.9418	.9098	.1603	.3922	.6190	.0420
rs10758669	9p24	<i>JAK2</i>	C	.3330	.1209	.7807	.4405	.1755	.4161	.7548
rs17582416	10p11	<i>CCNY</i>	G	.7035	.7141	.6392	.4780	.4891	.8465	.0914
rs7927894	11q13	<i>C11orf30</i>	T	.4900	.1817	.3121	.8243	.7370	.4889	.2208
rs11175593	12q12	<i>LRRK2, MUC19</i>	T	.9522	.6000	.2264	.4870	.1935	.4086	.9890
rs3764147	13q14		G	.8563	.9039	.1468	.2128	.4879	.5022	.4965
rs991804	17q12	<i>CCL2, CCL7</i>	C	.8477	.6023	.6117	.3911	.0438	.1623	.2464
rs2872507 <sup>b</sup>	17q12	<i>ORMDL3</i>	A	.2308	.1967	.2918	.1138	.4902	.2918	NA
rs12948909	17q21	<i>STAT3</i>	A	.4053	.7702	.0737	.9237	.6193	.4013	.3171
rs8098673	18q11		C	.5927	.4067	.9331	.6896	.5333	.7355	.8071
rs4807569	19p13		C	.1968	.8194	.0122	.9452	.6839	.6079	.8158
rs1736135	21q21		T	.4649	.6125	.6034	.5372	.8726	.2756	.7143
rs762421	21q22	<i>ICOSLG</i>	G	.8735	.2649	.2687	.5131	.3380	.0237	.2055

Chr, chromosome.