

TABLE S4. Summary of genotypic frequencies of SNPs in, *SOD2*, and *GPX1* [n (%)] in the Crohn's disease group. Cases are subdivided according to location, rectal involvement, colonic involvement and response to biologics.

SNP Genotype	Location			Rectal involvement		Colonic Involvement		Responds to biologics	
	L1	L2	L3	No	Yes	No	Yes	Yes	No
SOD2	<i>n</i> =195	<i>n</i> =59	<i>n</i> =179	<i>n</i> =336	<i>n</i> =99	<i>n</i> =207	<i>n</i> =228	<i>n</i> =198	<i>n</i> =41
AA	66 (33.8)	17 (28.8)	59 (33.0)	116 (34.5)	26 (26.3)	69 (33.3)	73 (32.0)	61 (30.8)	10 (24.4)
GA	102 (52.3)	28 (47.5)	83 (46.4)	166 (46.4)	48 (48.5)	110 (53.1)	104 (45.6)	95 (48.0)	24 (58.5)
GG	27 (13.8)	14 (23.7)	37 (20.7)	54 (16.1)	25 (25.3)	28 (13.5)	51 (22.4)	42 (21.2)	7 (17.1)
GPX1	<i>n</i> =193	<i>n</i> =59	<i>n</i> =176	<i>n</i> =332	<i>n</i> =98	<i>n</i> =205	<i>n</i> =225	<i>n</i> =196	<i>n</i> =41
GG	89 (46.1)	35 (59.3)	67 (38.1)	147 (44.3)	44 (44.9)	87 (42.4)	104 (46.2)	88 (44.9)	12 (29.3)
GA	79 (40.9)	18 (30.5)	89 (50.6)	141 (42.5)	46 (46.9)	88 (42.9)	99 (44.0)	88 (44.9)	21 (51.2)
AA	25 (13.0)	6 (10.2)	20 (11.4)	44 (13.3)	8 (8.2)	30 (14.6)	22 (9.8)	20 (10.2)	8 (19.5)