

Table S1. Gene expression analysis among different groups

2^{-ΔCt} values						
Gene	Control	Drug Free	5-ASA	Anti-TNF	p value	
ABCB1	3.86 ± 0.96	0.73 ± 0.12	1.37 ± 0.51	4.50 ± 0.60	Control vs. Drug Free	<0.0001
					Control vs. 5-ASA	<0.0001
					Control vs. Anti-TNF	0.4361
					Drug Free vs. 5-ASA	0.1312
					Drug Free vs. Anti-TNF	<0.0001
					5-ASA vs. Anti-TNF	<0.0001
LCN2	0.77 ± 0.11	4.37 ± 1.26	2.23 ± 0.74	0.90 ± 0.11	Control vs. Drug Free	<0.0001
					Control vs. 5-ASA	<0.0001
					Control vs. Anti-TNF	0.0139
					Drug Free vs. 5-ASA	0.4428
					Drug Free vs. Anti-TNF	<0.0001
					5-ASA vs. Anti-TNF	0.0012
NOS2	0.77 ± 0.10	3.83 ± 1.38	1.17 ± 0.75	2.18 ± 0.59	Control vs. Drug Free	<0.0001
					Control vs. 5-ASA	<0.0001
					Control vs. Anti-TNF	<0.0001
					Drug Free vs. 5-ASA	0.0004
					Drug Free vs. Anti-TNF	>0.9999
					5-ASA vs. Anti-TNF	0.0095
TFF1	0.76 ± 0.13	4.37 ± 1.01	2.28 ± 0.73	0.90 ± 0.10	Control vs. Drug Free	<0.0001
					Control vs. 5-ASA	<0.0001
					Control vs. Anti-TNF	0.0188
					Drug Free vs. 5-ASA	0.2639
					Drug Free vs. Anti-TNF	<0.0001
					5-ASA vs. Anti-TNF	0.0016
MUC2	0.77 ± 0.10	4.00 ± 0.75	2.42 ± 0.84	0.90 ± 0.27	Control vs. Drug Free	<0.0001
					Control vs. 5-ASA	<0.0001
					Control vs. Anti-TNF	0.2564
					Drug Free vs. 5-ASA	0.1811
					Drug Free vs. Anti-TNF	<0.0001
					5-ASA vs. Anti-TNF	0.0003
MUC5AC	0.75 ± 0.13	4.37 ± 0.90	2.24 ± 0.77	0.86 ± 0.28	Control vs. Drug Free	<0.0001
					Control vs. 5-ASA	<0.0001
					Control vs. Anti-TNF	>0.9999
					Drug Free vs. 5-ASA	0.1717
					Drug Free vs. Anti-TNF	<0.0001
					5-ASA vs. Anti-TNF	<0.0001
E-cadherin	4.19 ± 0.64	1.05 ± 0.54	1.83 ± 0.62	4.27 ± 0.46	Control vs. Drug Free	<0.0001
					Control vs. 5-ASA	<0.0001
					Control vs. Anti-TNF	>0.9999
					Drug Free vs. 5-ASA	0.4972
					Drug Free vs. Anti-TNF	<0.0001
					5-ASA vs. Anti-TNF	<0.0001

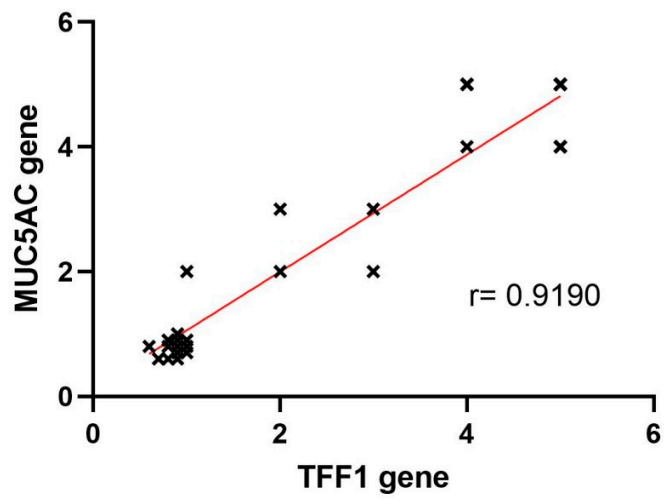
Table S2. Explanation of correlation between different genes

r value =	
+.70 or higher	Very strong positive relationship
+.40 to +.69	Strong positive relationship
+.30 to +.39	Moderate positive relationship
+.20 to +.29	weak positive relationship
+.01 to +.19	No or negligible relationship
0	No relationship [zero correlation]
-.01 to -.19	No or negligible relationship
-.20 to -.29	weak negative relationship
-.30 to -.39	Moderate negative relationship
-.40 to -.69	Strong negative relationship
-.70 or higher	Very strong negative relationship

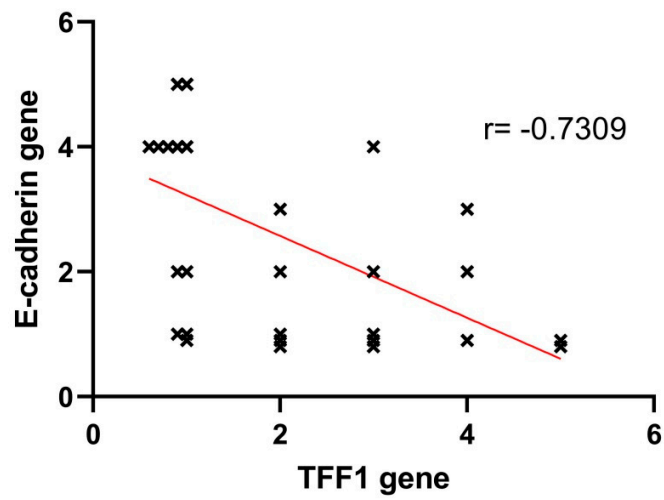
Table S3. Primer Sequences of different genes

Gene	Primer Sequences	Reference Sequences	PCR product size (bp)
GAPDH	F: ATGTTGCAACCGGGAAGGAA R: AGGAAAAGCATCACCCGGAG	NM_001256799.3	159bp
ABCB1 gene	F:TCAGGAAGCAACCAGATAAAAGAG R:CAATCAGCCTCACCACAGATG	NM_000927.5	141bp
LCN2 gene	F:GTTACCTCGTCCGAGTGGTG R:CCGAAGTCAGCTCCTTGGTT	XM_047423376.1	126bp
NOS2 gene	F:CGCATGACCTTGGTGTTTGG R:CATAGACCTTGGGCTTGCCA	NM_000625.4	142bp
TFF1 gene	F:ATACCATCGACGTCCCTCCA R:TGGGACTAATCACCGTGCTG	NM_003225.3	104bp
MUC2 gene	F:AGTTTGGGGAGCACTTCGAG R:TCTTCCACGCAGTGGGTAAC	>NM_002457.4	118BP
MUC5AC gene	F:CGACCTGTGCTGTGTACCAT R:GTGCAGGGTCACATTCTCA	NM_001304359.2	197BP
E-cadherin gene	F:TGGACCGAGAGAGTTTCCCT R:TTAGCCTCGTTCTCAGGCAC	NM_004360.5	172BP

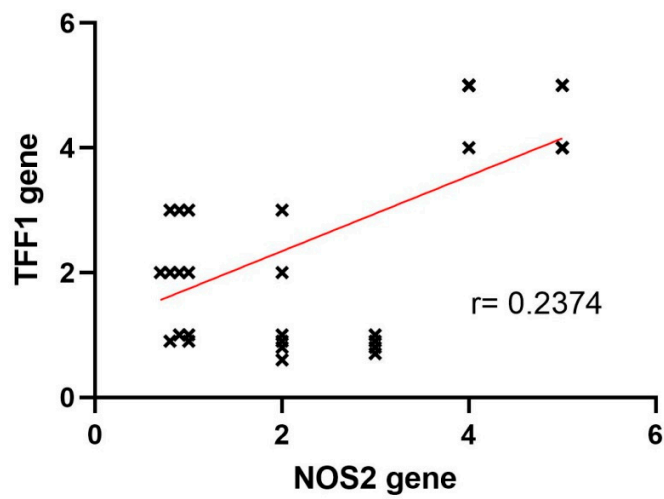
TFF1 vs. MUC5AC



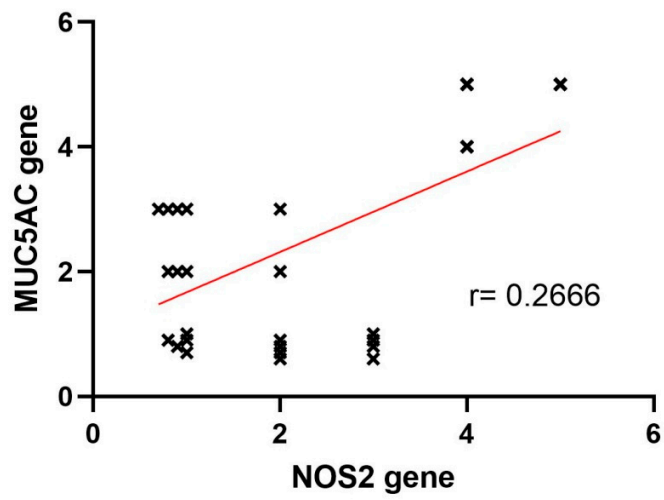
TFF1 vs. E-cadherin



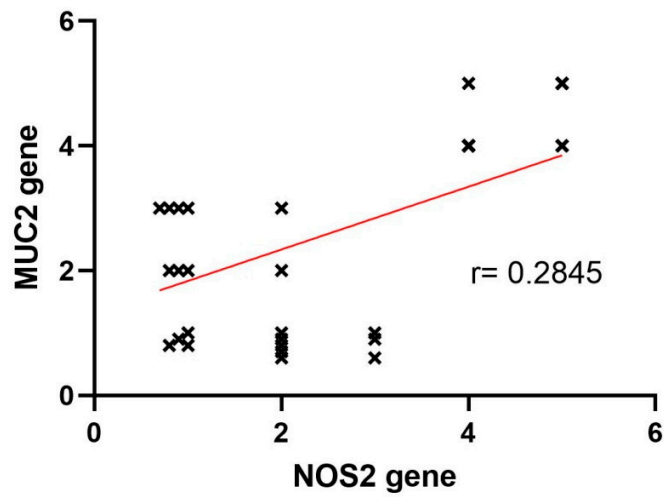
NOS2 vs. TFF1



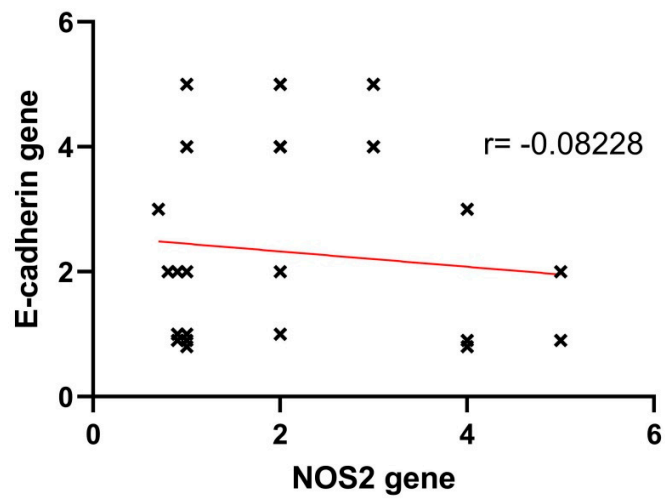
NOS2 vs. MUC5AC



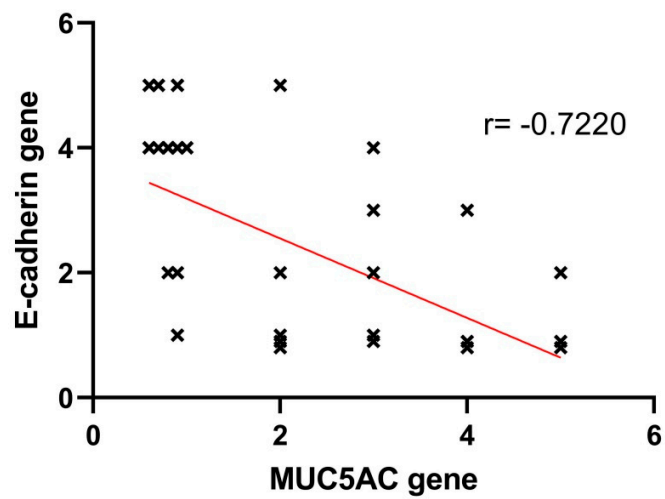
NOS2 vs. MUC2



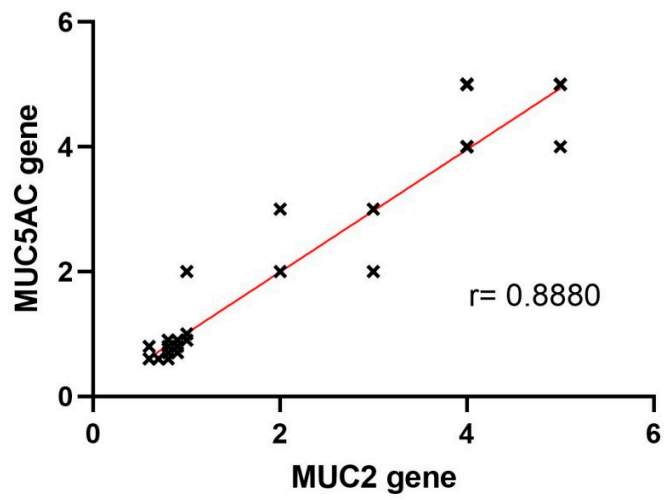
NOS2 vs. E-cadherin



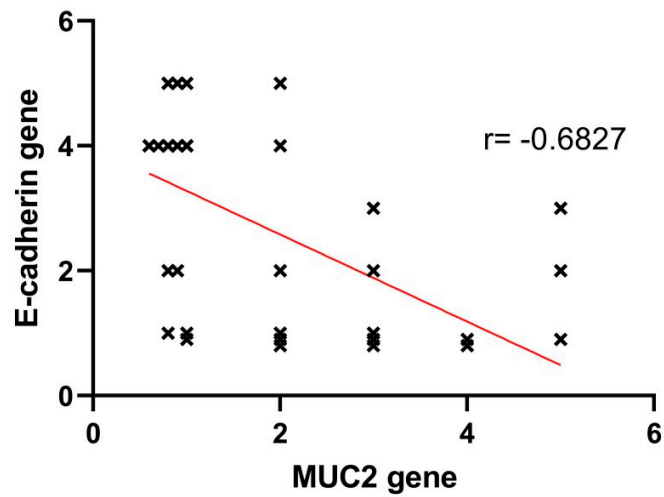
MUC5AC vs. E-cadherin



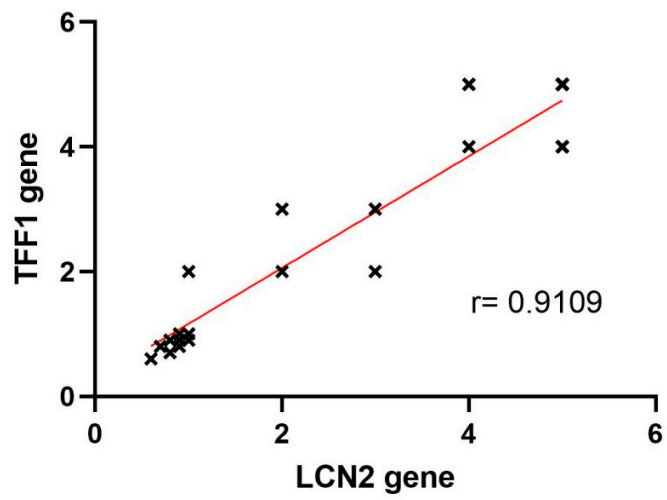
MUC2 vs. MUC5AC



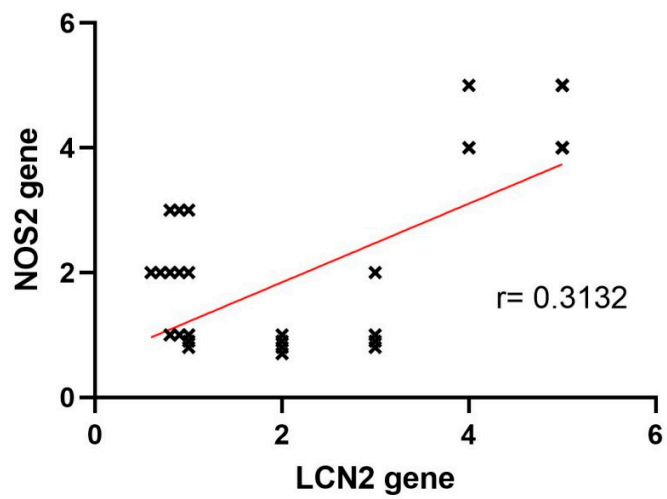
MUC2 vs. E-cadherin



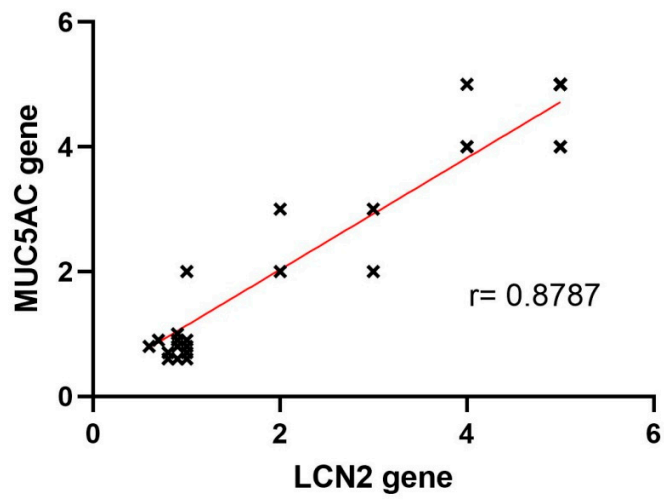
LCN2 vs. TFF1



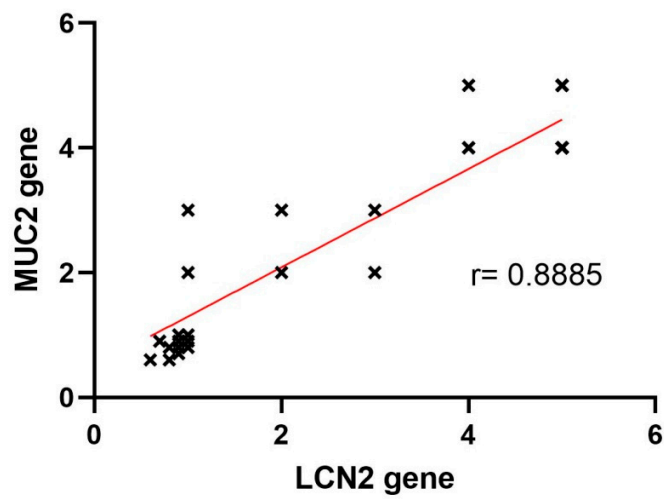
LCN2 vs. NOS2



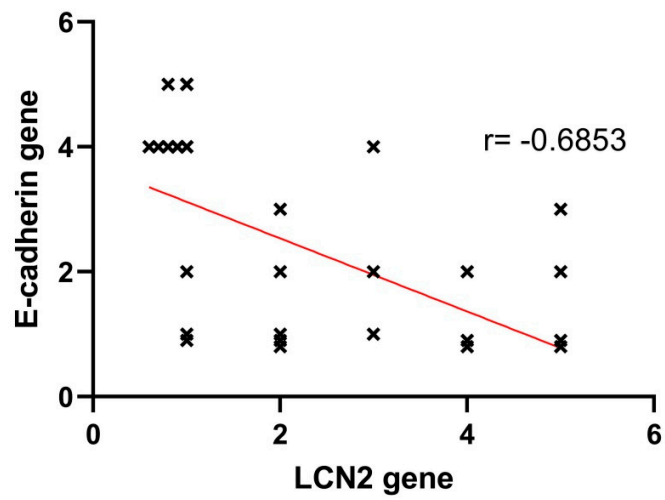
LCN2 vs. MUC5AC



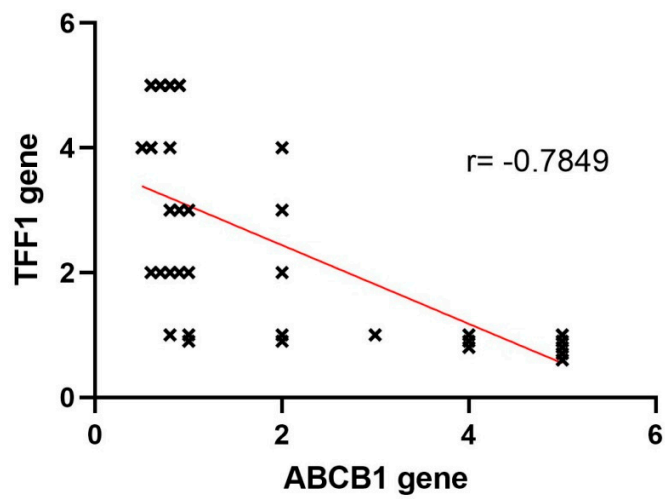
LCN2 vs. MUC2



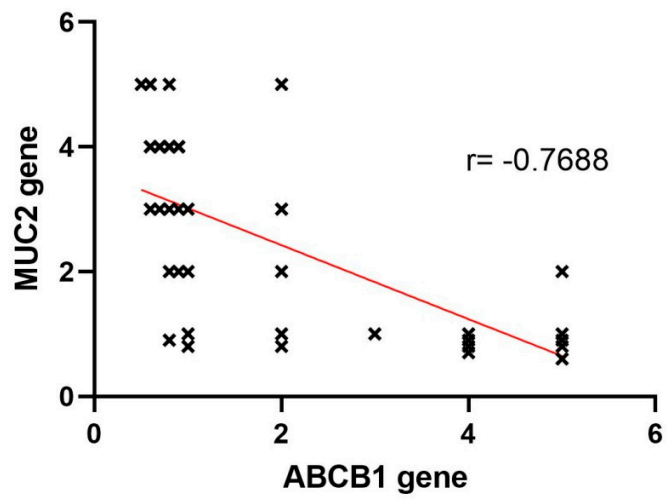
LCN 2 vs. E-cadherin



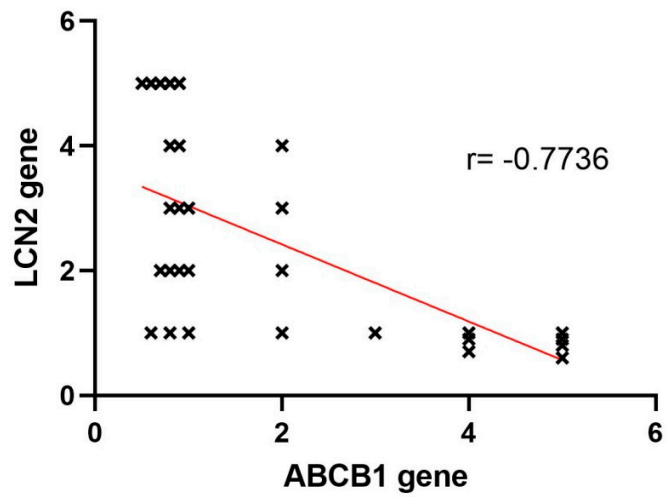
ABCB1 vs. TFF1



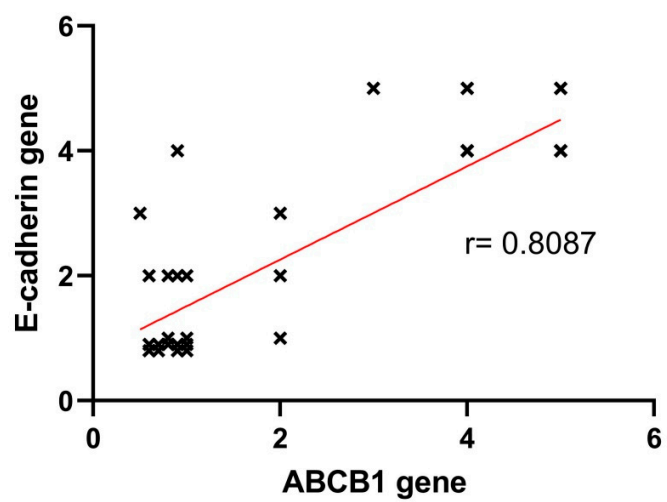
ABCB1 vs. MUC2



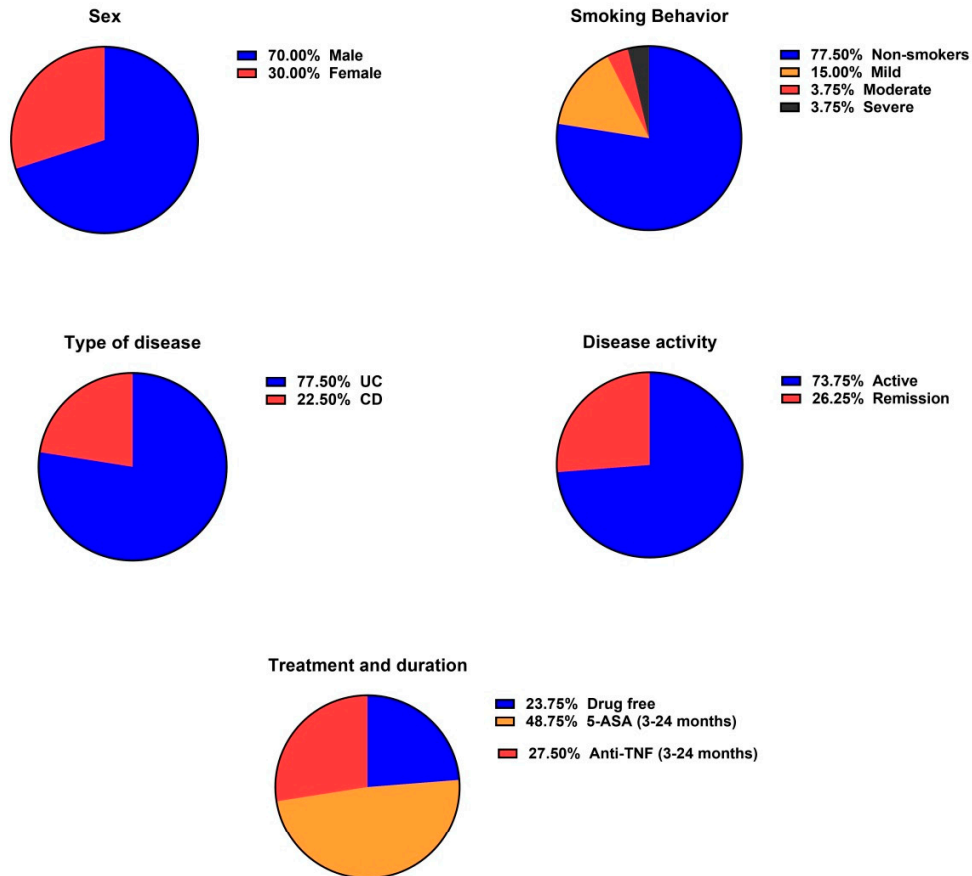
ABCB1 vs. LCN2



ABCB1 vs. E-cadherin



IBD Patients



Non-IBD controls

