



Table S2. Re-analysis of gene expression data (RNQ) from Rattigan et al, 2020 and additional targets (*CXCL8*, *CDH2*, *MMP7*), exploring the effects of DSS on gene expression in the colon compared to Basal diet alone (least square means with standard errors).

	Basal	Basal + DSS		
Gene Symbol	LSMean	LSMean	SEM	P-value
<i>CLEC7a</i>	0.93	2.05	0.51	0.1363
<i>TLR4</i>	0.81	1.73	0.23	0.2302
<i>MMP1</i>	0.24	3.30	0.95	0.0343*
<i>MMP2</i>	0.48	1.48	0.32	0.0396*
<i>MMP9</i>	0.53	1.78	0.53	0.1110
<i>MARVELD</i>	1.92	1.57	0.45	0.5856
<i>TJP1</i>	0.90	1.03	0.05	0.6139
<i>CDH1</i>	0.89	1.12	0.08	0.0535*
<i>IL10</i>	0.59	1.24	0.26	0.0862
<i>IL13</i>	0.63	1.26	0.12	0.0018**
<i>IL17</i>	0.50	1.40	0.44	0.1892
<i>IL1b</i>	0.43	2.38	1.06	0.2098
<i>IL23</i>	0.49	1.26	0.16	0.0029**
<i>IL6</i>	0.31	3.03	0.93	0.0515
<i>INFγ</i>	1.46	0.90	0.39	0.0515*
<i>TGFβ</i>	0.92	1.14	0.22	0.5121
<i>MUC4</i>	1.39	0.78	0.15	0.0106*
<i>Additional targets</i>				
<i>CXCL8</i>	1.34	1.33	0.41	0.9796
<i>CDH2</i>	1.11	1.10	1.78	0.9713
<i>MMP7</i>	0.92	1.39	0.27	0.2271