

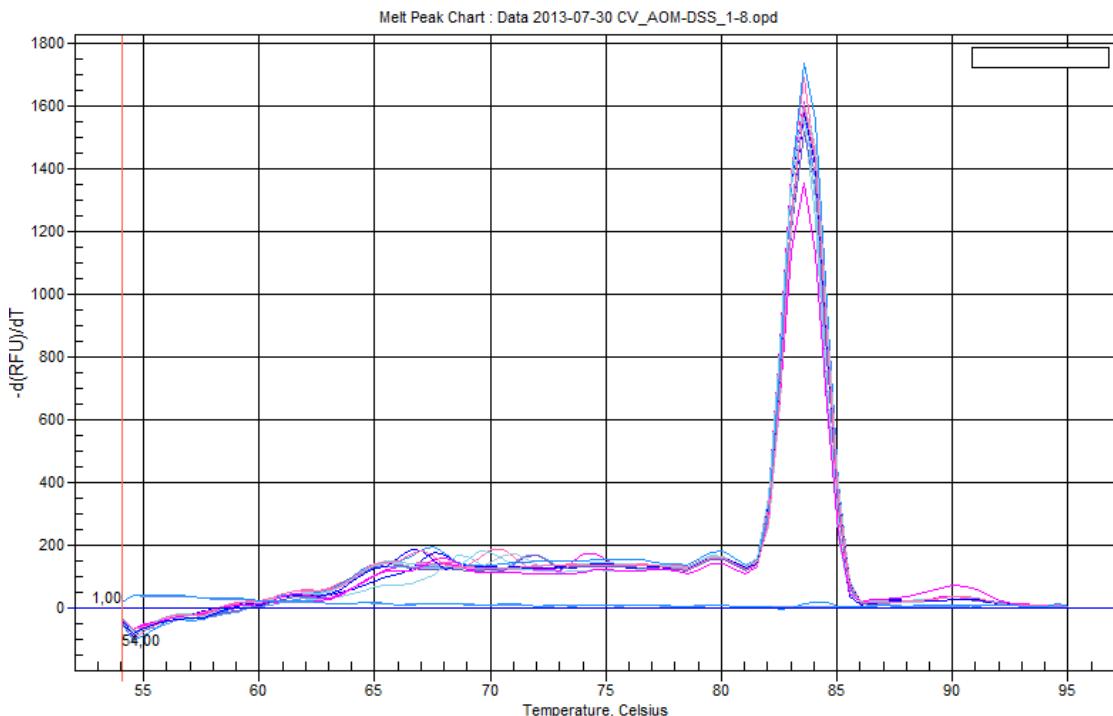


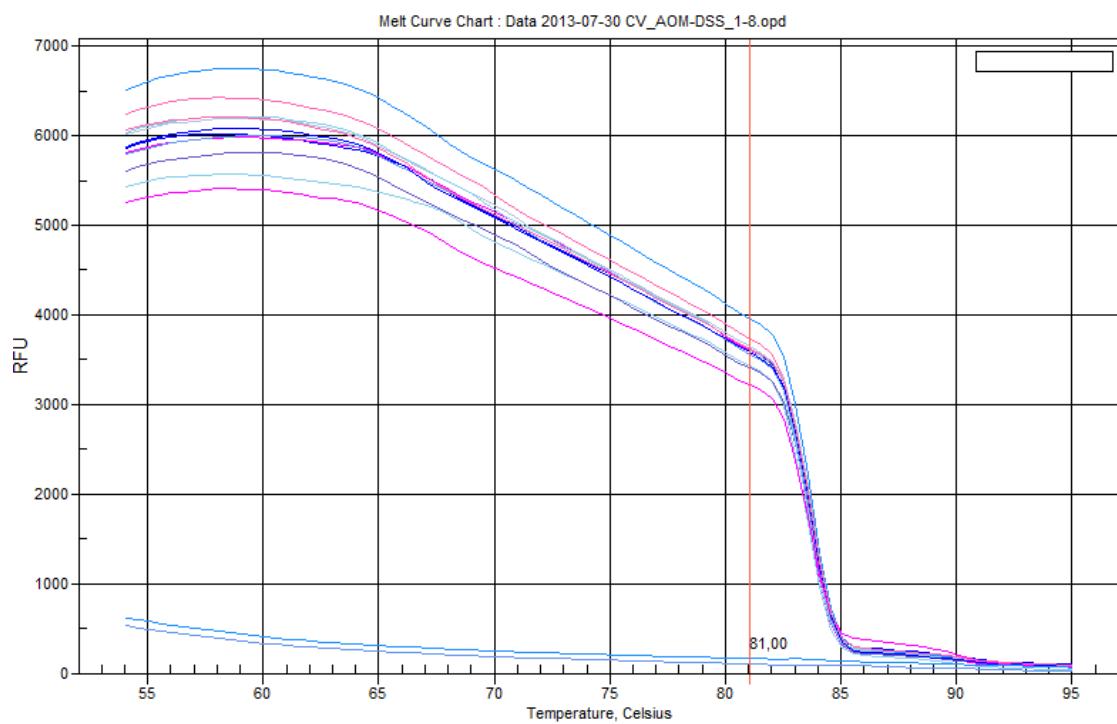
Supplementary Materials: Local Immune Changes in Early Stages of Inflammation and Carcinogenesis Correlate with the Collagen Scaffold Changes of the Colon Mucosa

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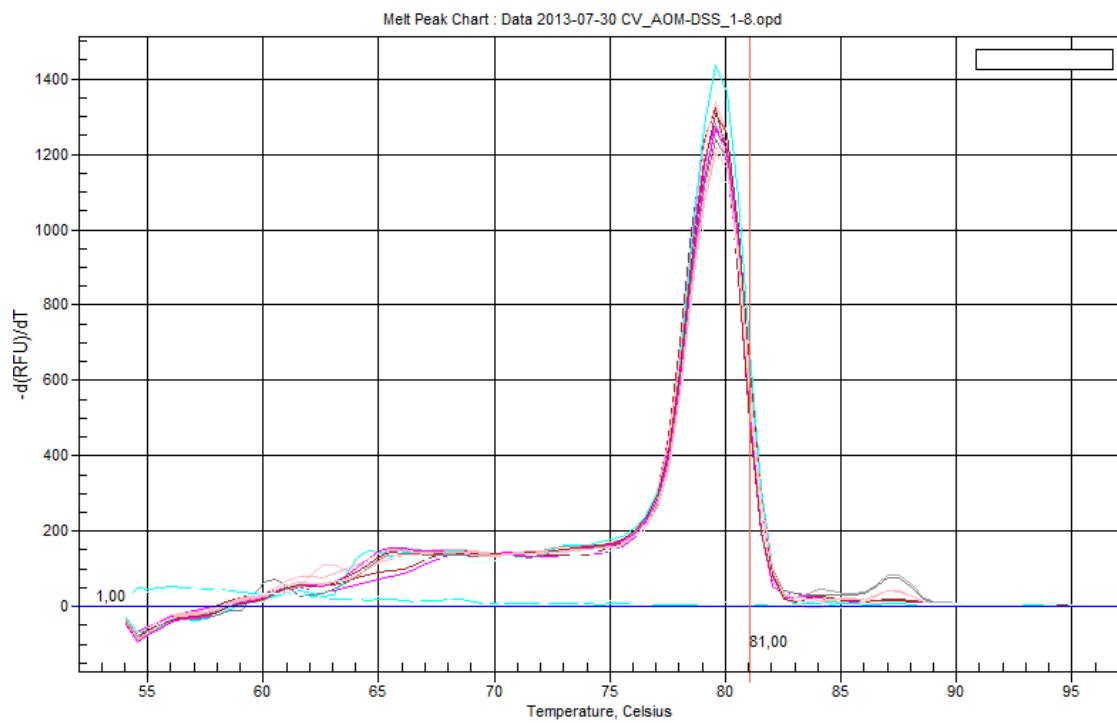
Figure S1. Representative melting curves for the genes used in the study. The description of the procedure is reported at paragraph 2.3

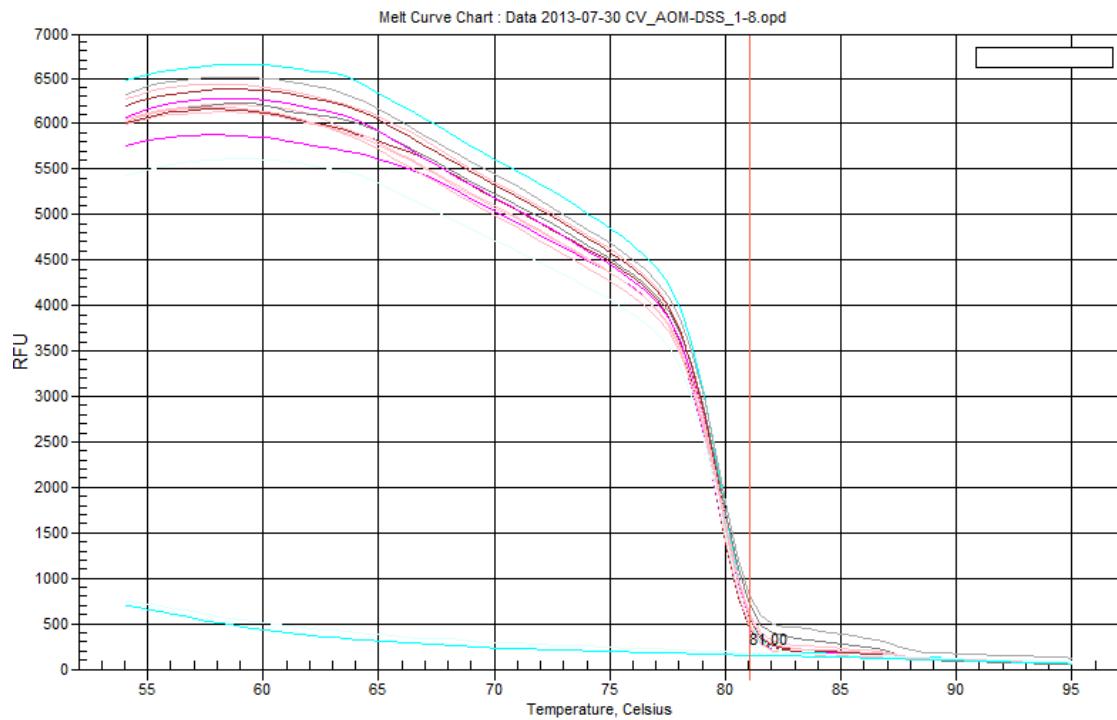
Ppia



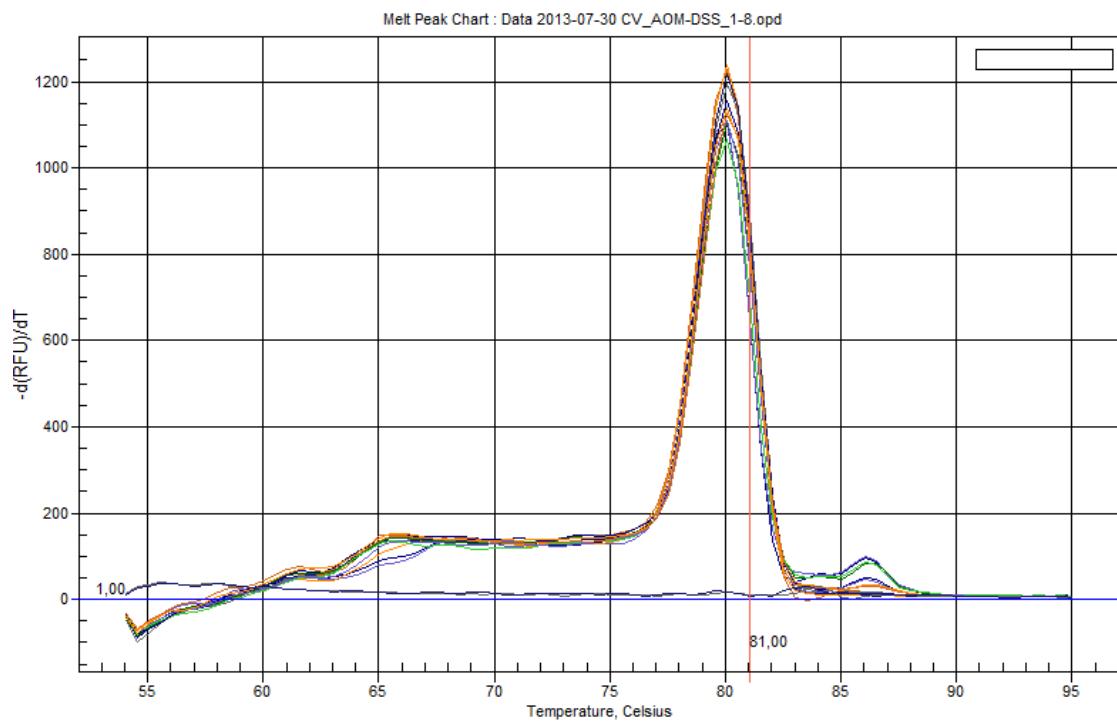


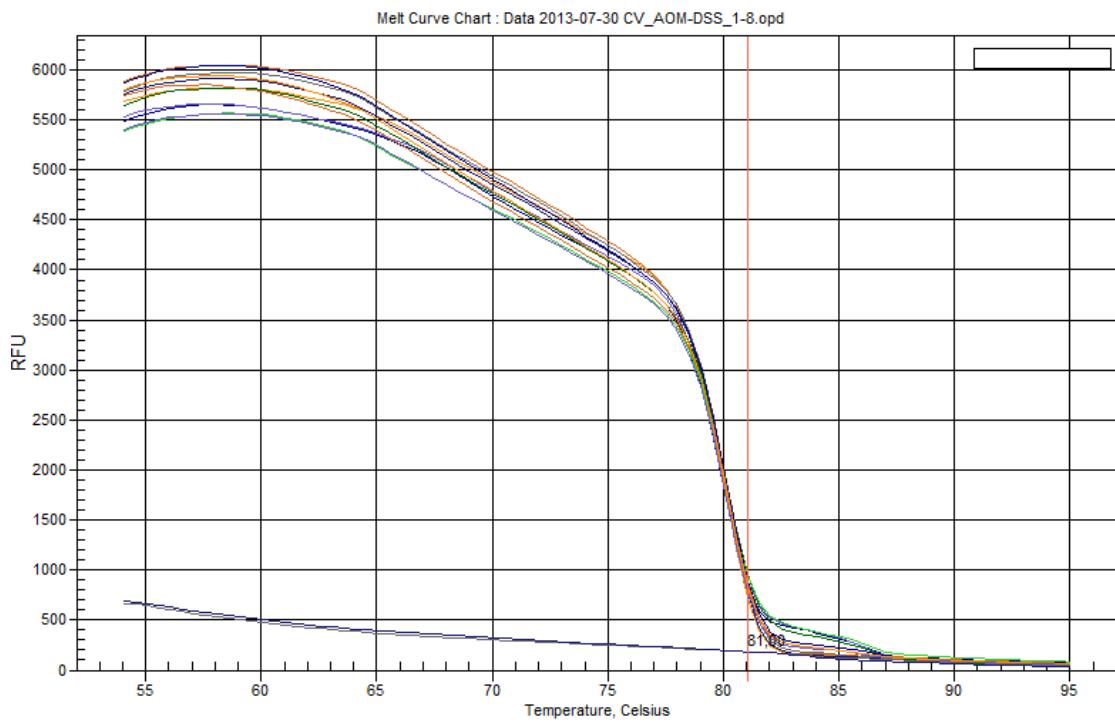
Il1a



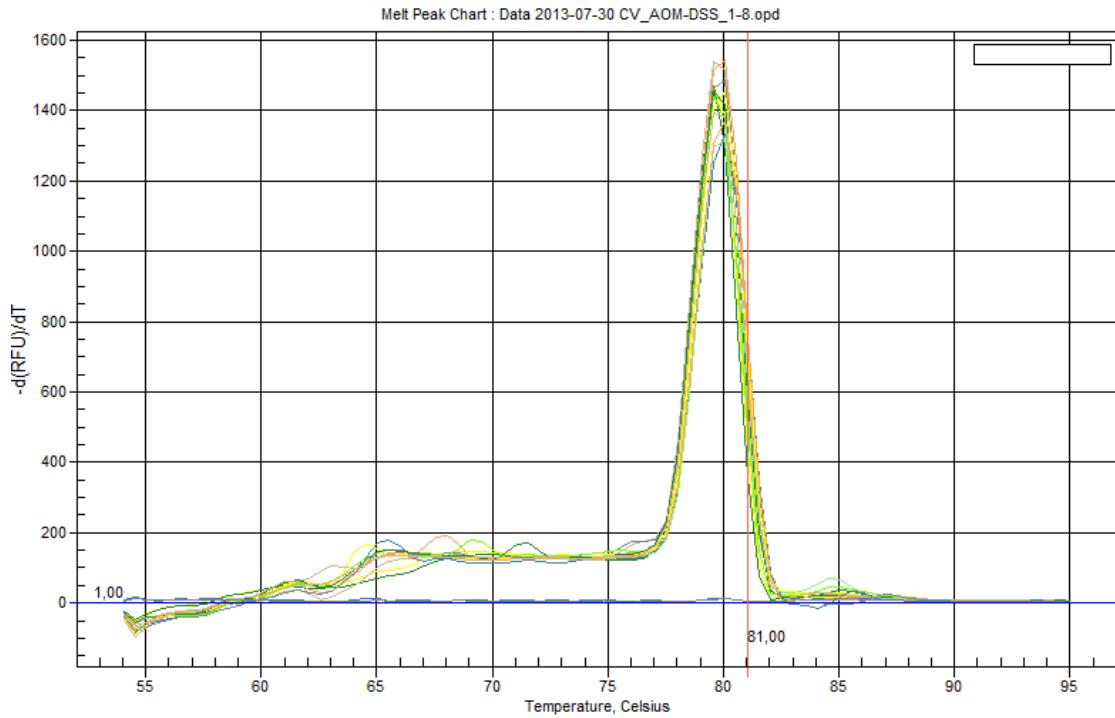


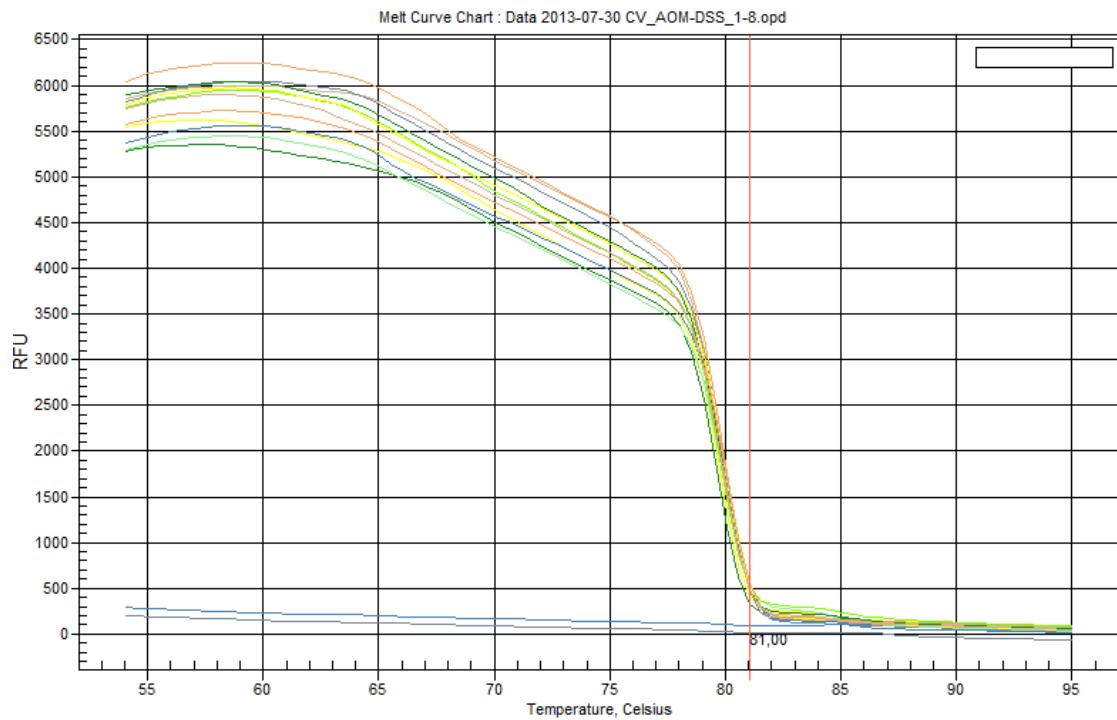
II1b



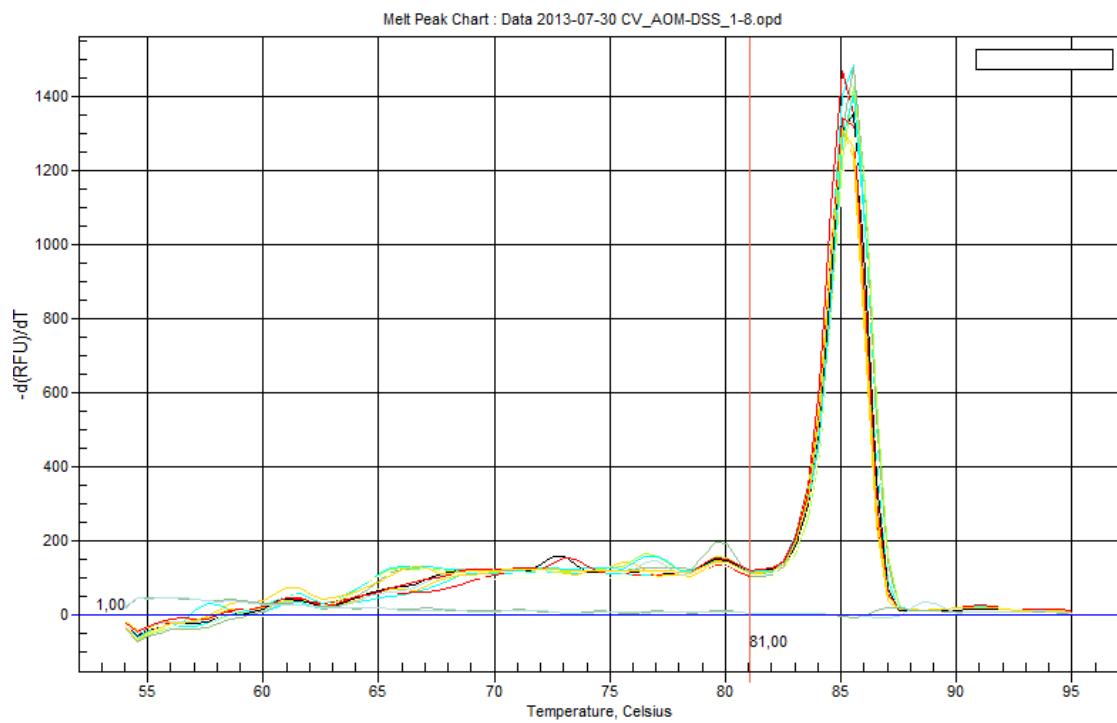


Ifng





Tgfb1



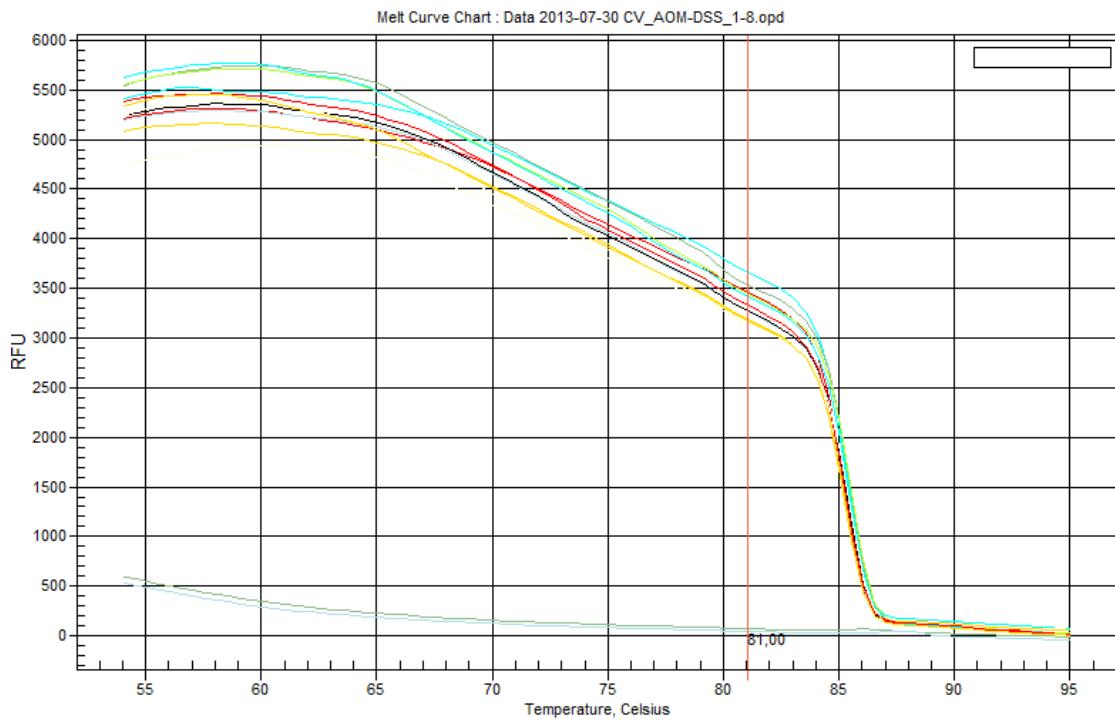


Table S1. Values of ELISA, PCR and imaging analysis statistical evaluations.

Differences in distributed variables between groups were compared by one-way ANOVA and subsequent Kruskal-Wallis test using GraphPad Prism™. Statistical significance was considered for $p < 0.05$

ELISA

p-value shown as comparison of treated rats with controls

Protein	Tissue	Treatment	p-value	Mean	S.E.M.	N
IL-1 α		control	-	3047,0	229,2	47

	Left colon mucosa	DSS	0,0132	2068,0	485,7	20
		AOM	<0,0001	971,8	194,1	15
IL-6	Right colon mucosa	control	-	3438,0	299,4	31
		DSS	0,0013	1501,0	300,4	15
		AOM	0,0013	1328,0	288,6	11
TGF-β1	MLN	control	-	878,3	123,0	26
		DSS	>0,9999	1010,0	397,9	6
		AOM	0,958	2021,0	1854,0	4
	Spleen	control	-	1846,0	719,8	26
		DSS	0,4471	678,3	280,4	8
		AOM	>0,9999	890,3	270,5	6
IFN-γ	Left colon mucosa	control	-	1405,0	228,1	55
		DSS	0,0223	4945,0	1567,0	19
		AOM	>0,9999	2030,0	1051,0	9
	Right colon mucosa	control	-	1387,0	291,6	29
		DSS	0,624	3908,0	1561,0	17
		AOM	0,5336	2895,0	1527,0	6
	MLN	control	-	188,5	88,4	30
		DSS	0,1074	357,9	179,2	6
		AOM	0,0441	230,4	36,0	4
	Spleen	control	-	419,4	175,8	26
		DSS	>0,9999	110,1	110,1	7
		AOM	0,3964	270,9	117,1	4

	MLN	control	-	874,3	324,7	22
		DSS	0,1085	4013,0	337,5	2
		AOM	0,5726	0,0	0,0	3
	Spleen	control	-	2899,0	972,4	20
		DSS	>0,9999	2344,0	312,5	2
		AOM	0,8326	0,0	0,0	2

PCR

p-value shown as comparison of treated rats with controls

Gene	Tissue	Treatment	p-value	Mean	S.E.M.	N
<i>Il1a</i>	Left colon mucosa	control	-	11,950	4,0760	4
		DSS	0,2184	0,851	0,3740	8
		AOM	0,1361	0,345	0,0850	9
	Right colon mucosa	control	-	11,070	1,3810	3
		DSS	0,0053	0,257	0,0663	9
		AOM	0,1967	0,598	0,1265	8
<i>Il1b</i>	Left colon mucosa	control	-	1,093	0,1881	4
		DSS	0,2085	0,771	0,3318	6
		AOM	0,0458	0,410	0,0351	7
	Right colon mucosa	control	-	0,976	0,1223	3
		DSS	0,3169	0,576	0,0605	3
		AOM	>0,9999	1,104	0,1937	4
<i>Ifng</i>	Left colon mucosa	control	-	1,847	0,1390	2
		DSS	0,1506	0,296	0,1084	7
		AOM	0,0725	0,183	0,0481	8
	Right colon mucosa	control	-	1,896	0,1658	2
		DSS	0,0193	0,236	0,0562	8
		AOM	0,3099	0,574	0,1370	9
<i>Tgfb1</i>	Left colon mucosa	control	-	2,657	0,8547	4
		DSS	0,536	1,126	0,3089	7
		AOM	0,0375	0,608	0,0749	7
	Right colon mucosa	control	-	1,688	0,3139	3
		DSS	0,1307	0,959	0,1438	8
		AOM	0,1276	0,960	0,1379	9

IMAGING

p-value shown as comparison of treated rats with controls

Parameter	Treatment	p-value	Mean	S.E.M.	N
skewness	control	-	2,342	0,0868	107
	DSS	<0,0001	1,435	0,0499	104
	AOM	<0,0001	1,663	0,0894	72
dist. between centers of the glands	control	-	87,940	2,0070	136
	DSS	0,2742	81,370	1,6910	126
	AOM	<0,0001	73,900	1,9650	77
intercryptal space	control	-	16,930	0,8036	126
	DSS	0,0004	22,010	1,1320	81
	AOM	<0,0001	23,860	0,7971	216
integrated density	control	-	261,500	23,1800	130
	DSS	<0,0001	492,000	34,7800	114
	AOM	<0,0001	722,300	33,7100	216