

**Table S1:** Intestinal gene expression profiles of gilthead seabream after the feeding and inflammatory trials. **CTRL** (control diet), **BG** ( $\beta$ -glucans diet), **CUR** (curcumin diet), **CTRL-D** (control diet + dextran sodium sulphate - DSS), **BG-D** ( $\beta$ -glucans diet + DSS), **CUR-D** (curcumin diet + DSS). Values are presented as means  $\pm$  standard deviation. Different letters mean significant differences among dietary treatments ( $p < 0.05$ ).

Gene expression	Feeding trial						Inflammatory trial														
	CTRL			BG			CUR			CTRL			CTRL-D			BG-D			CUR-D		
<i>sod</i>	0.0383	±	0.0150	0.0412	±	0.0161	0.0367	±	0.0218	0.0434 <sup>a</sup>	±	0.0162	0.0294 <sup>ab</sup>	±	0.0200	0.0197 <sup>b</sup>	±	0.0104	0.0333 <sup>ab</sup>	±	0.0161
<i>gpx</i>	0.0108	±	0.0060	0.0111	±	0.0056	0.0110	±	0.0086	0.0049	±	0.0040	0.0033	±	0.0023	0.0024	±	0.0012	0.0037	±	0.0023
<i>tnfa</i>	0.0033 <sup>b</sup>	±	0.0009	0.0039 <sup>ab</sup>	±	0.0009	0.0060 <sup>a</sup>	±	0.0036	0.0034	±	0.0020	0.0019	±	0.0010	0.0028	±	0.0021	0.0020	±	0.0016
<i>il10</i>	0.0001	±	0.0001	0.0001	±	0.0001	0.0001	±	0.0000	0.0001	±	0.0001	0.0001	±	0.0000	0.0000	±	0.0000	0.0001	±	0.0000
<i>igm</i>	0.0581	±	0.0593	0.0352	±	0.0290	0.0416	±	0.0649	0.0537	±	0.0424	0.0232	±	0.0116	0.0255	±	0.0160	0.0261	±	0.0225
<i>csf1r</i>	0.0002 <sup>b</sup>	±	0.0001	0.0003 <sup>ab</sup>	±	0.0002	0.0004 <sup>a</sup>	±	0.0002	0.0003 <sup>a</sup>	±	0.0001	0.0002 <sup>b</sup>	±	0.0001	0.0002 <sup>ab</sup>	±	0.0001	0.0002 <sup>ab</sup>	±	0.0001
<i>cd8a</i>	0.0141	±	0.0089	0.0121	±	0.0056	0.0112	±	0.0050	0.0131	±	0.0115	0.0060	±	0.0020	0.0075	±	0.0037	0.0088	±	0.0046
<i>hsp70</i>	0.2583	±	0.0703	0.3213	±	0.0886	0.4105	±	0.2658	0.3349	±	0.2583	0.1604	±	0.0711	0.2074	±	0.1460	0.2976	±	0.1910
<i>ocln</i>	0.0146	±	0.0045	0.0233	±	0.0082	0.0242	±	0.0157	0.0116	±	0.0092	0.0068	±	0.0050	0.0060	±	0.0036	0.0089	±	0.0044
<i>hep</i>	0.3523 <sup>b</sup>	±	0.2303	0.6998 <sup>ab</sup>	±	0.4985	1.0486 <sup>a</sup>	±	0.7749	0.3716	±	0.3151	0.4004	±	0.3432	0.1642	±	0.1878	0.3237	±	0.2378
<i>muc13</i>	0.2820	±	0.1098	0.2894	±	0.1285	0.2659	±	0.1237	0.2385	±	0.1451	0.1520	±	0.1272	0.1766	±	0.1094	0.1776	±	0.0908
<i>muc2</i>	0.0488	±	0.0190	0.0482	±	0.0229	0.0447	±	0.0312	0.0260	±	0.0173	0.0108	±	0.0059	0.0220	±	0.0138	0.0207	±	0.0107