**Table 1S:** Summary of all generated progeny, divided by gender & *Min* carriers

|	Total progeny	Males	Females	Total *Min* carriers	Males	Females
IL188	13	7	6	5	3	2
IL519	13	6	7	5	3	2
IL521	22	15	7	9	7	2
IL557	4	3	1	1	0	1
IL611	8	2	6	3	0	3
IL670	5	3	2	3	3	0
IL785	14	8	6	7	5	2
IL1052	12	5	7	5	2	3
IL1300	31	13	18	15	7	8
IL1488	13	8	5	8	5	3
IL1513	19	5	14	10	2	8
IL1912	9	5	4	4	2	2
IL2126	18	7	11	10	4	6
IL2156	19	9	10	9	3	6
IL2439	13	7	6	6	3	3
IL2513	11	7	4	3	3	0
IL2573	29	13	16	15	7	8
IL2680	12	4	8	5	1	4
IL2750	13	10	3	7	6	1
IL3348	15	9	6	6	4	2
IL3438	14	3	11	6	1	5
IL3575	16	9	7	5	2	3
IL3738	8	5	3	3	3	0
IL3912	8	2	6	3	0	3
IL4052	6	1	5	2	0	2
IL4141	24	15	9	8	6	2
IL4457	34	19	15	16	9	7
Total	403	200	203	179	91	88

Figure 1S. Intestinal length (cm) (±SE). The X-axis represents CC lines, C57BL/6 strain carrying the $Apc^{Min/+}$ mutation (first black column) and CC-Mean (black column ~ in the middle), while the Y-axis centimeter. One-way ANOVA performed for statistical analysis, p<0.05.
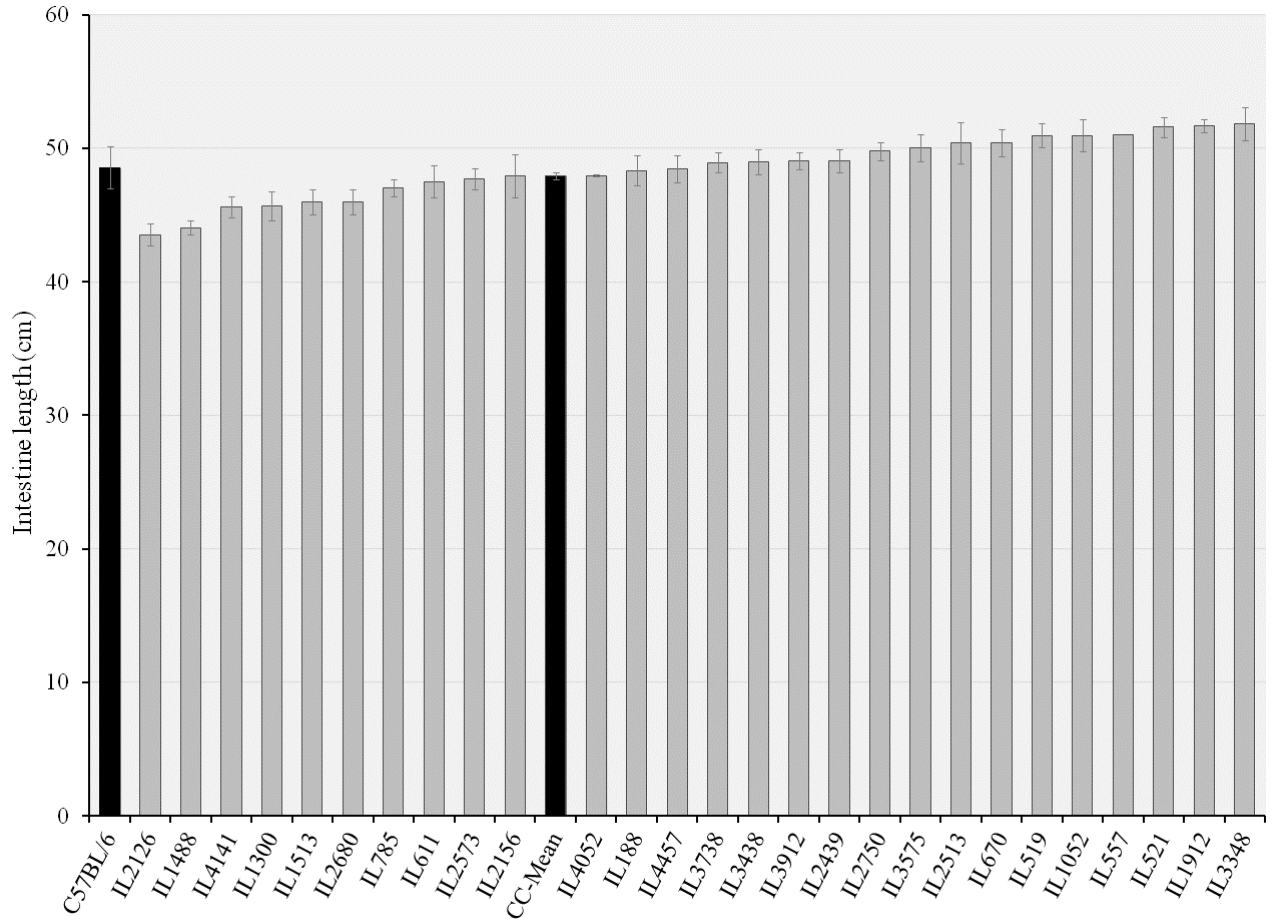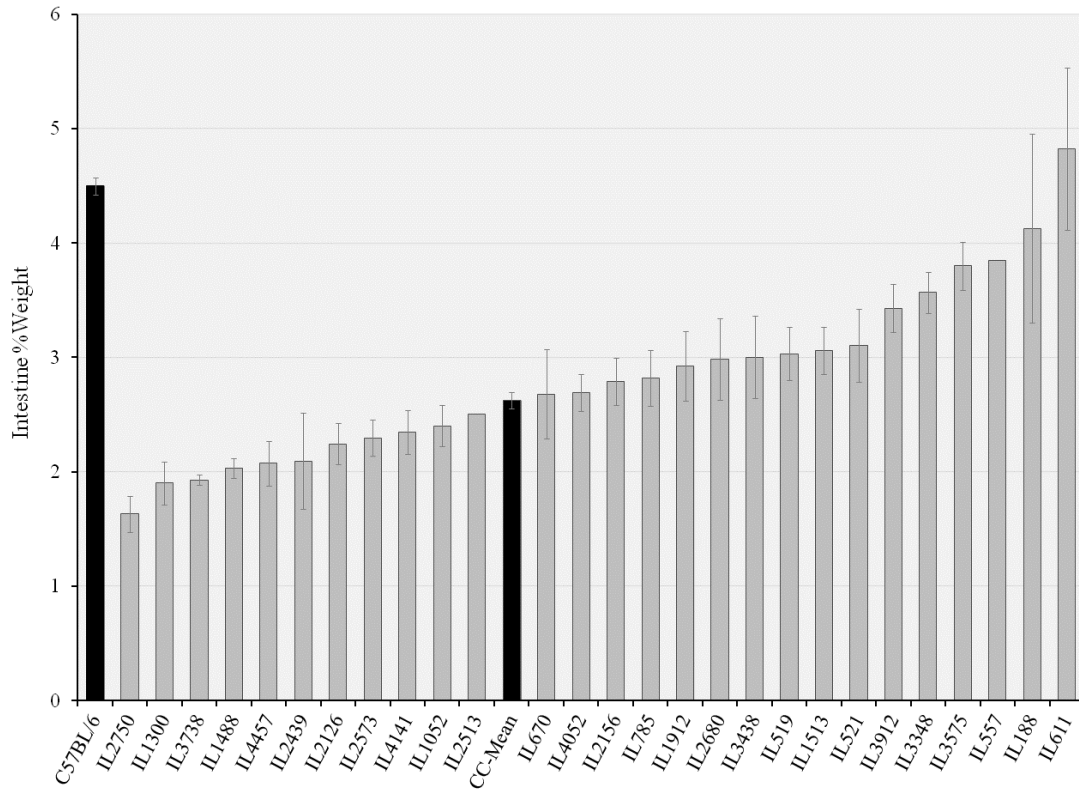
Figure 2S. Number of polyps per cm (±SE). The X-axis represents CC lines, C57BL/6 strain carrying the $Apc^{Min/+}$ mutation (first black column) and CC-Mean (black column ~ in the middle), while the Y-axis is number of polyps. One-way ANOVA performed for statistical analysis, $p<0.05$.
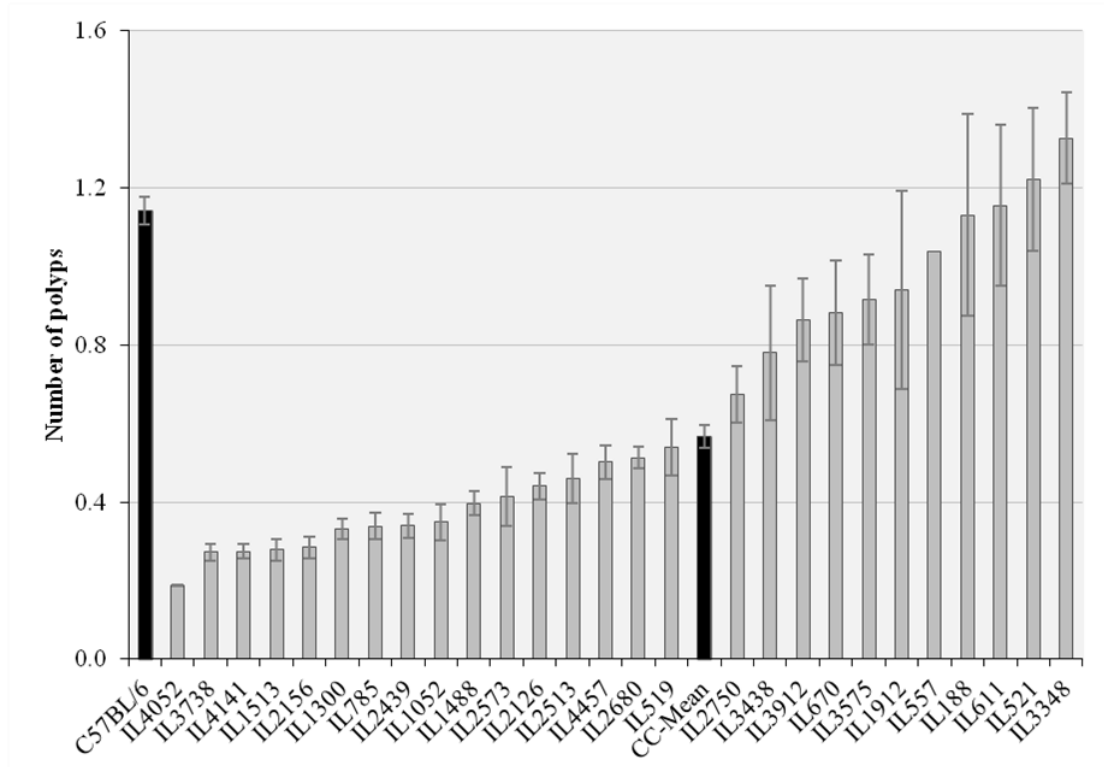
Figure 3S. Frequency of lines as for the number of polyps per cm. The X-axis represents number of polyps per cm, while the Y-axis is the frequency. Number inside each column is the number of CC lines within each range of polyps.
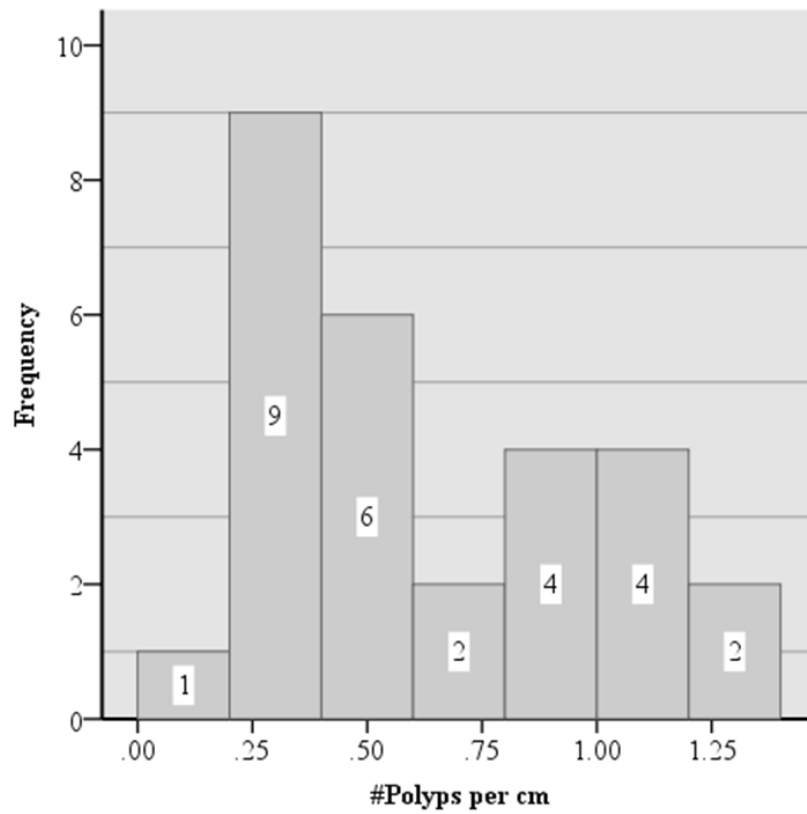
Figure 4S. Intestine %Weight (±SE). The X-axis represents CC lines, C57BL/6 strain carrying the $Apc^{Min/+}$ mutation (first black column) and CC-Mean (black column ~ in the middle), while the Y-axis %Weight. One-way ANOVA performed for statistical analysis, $p<0.05$.

Figure 5S. %PCV (±SE). The X-axis represents CC lines, C57BL/6 strain carrying the $Apc^{Min/+}$ mutation (first black column) and CC-Mean (black column ~ in the middle), while the Y-axis %. One-way ANOVA performed for statistical analysis, p<0.05.
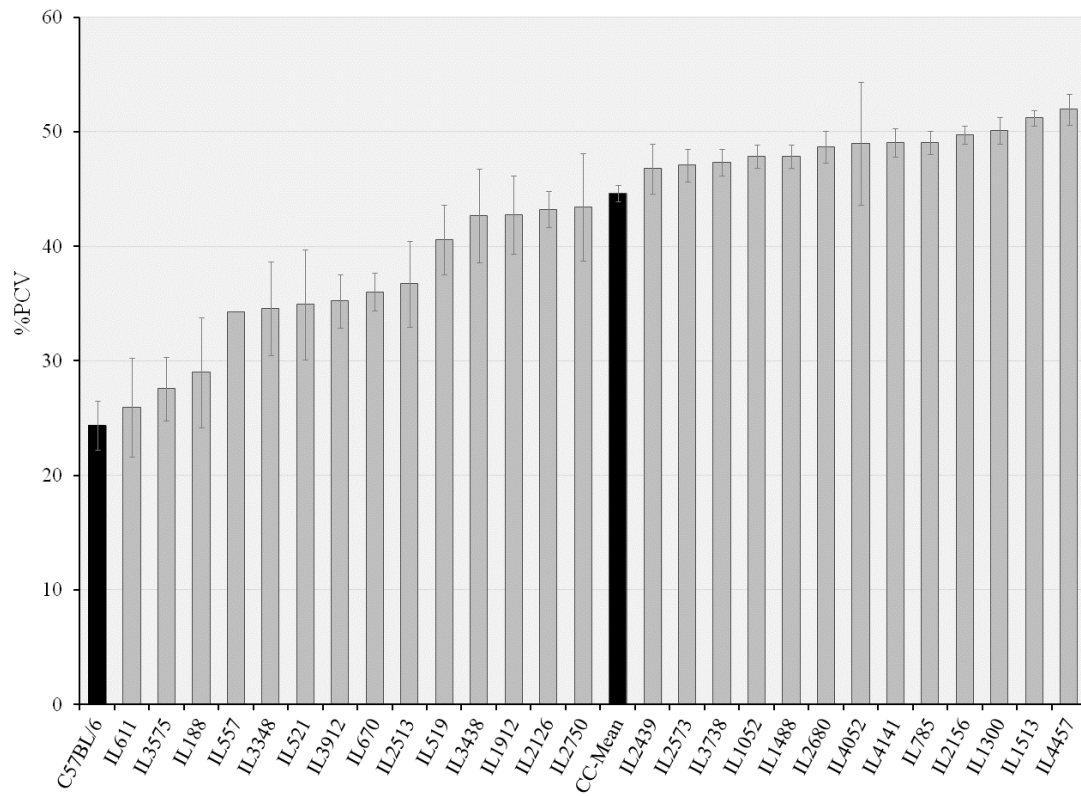
Figure 6S. Spleen %Weight (±SE). The X-axis represents CC lines, C57BL/6 strain carrying the $Apc^{Min/+}$ mutation (first black column) and CC-Mean (black column ~ in the middle), while the Y-axis %Weight. One-way ANOVA performed for statistical analysis, p<0.05.
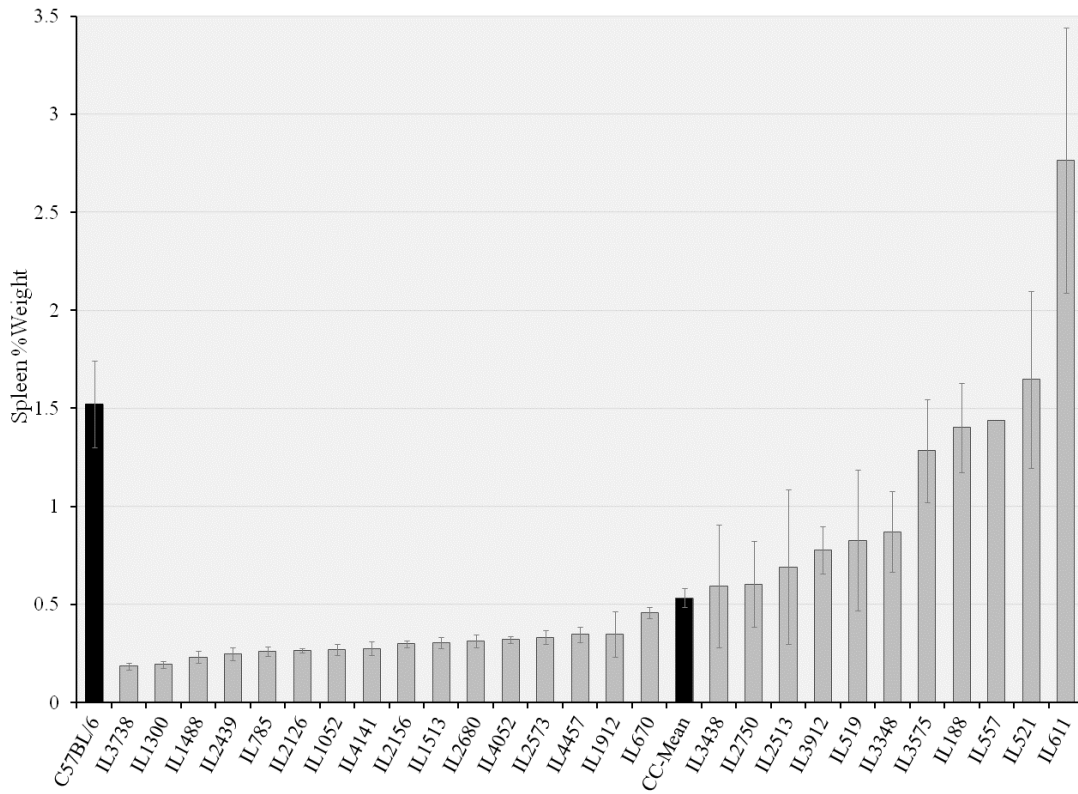
Figure 7S. Average number of polyps (±SE) in 22 F1 CC-C57BL/6-*Min* lines (n= 1-16 mice/line) based on male and female. The X-axis represents male and female of each studied CC line, while the Y-axis number of polyps.