

**Supplementary Table 5: The concentration of Try and Try catabolites in fecal samples of Apc min/+ mice under different treatments.**

Sample Name	APC-BHI-102	APC-BHI-114	APC-BHI-117	APC-BHI-130	APC-BHI-131	APC-BHI-141	APC-E.coli-13	APC-E.coli-13	APC-E.coli-13	APC-E.coli-14	APC-E.coli-15	APC-E.coli-16	APC-Lg-134	APC-Lg-166	APC-Lg-167	APC-Lg-175	APC-Lg-178	APC-Lg-195
Mass/mg	49.9	50.6	50.9	50.5	49.8	50.6	50.3	50.7	50.9	50.4	50.1	50.9	50.7	50.8	50.9	49.7	50.7	50.5
3-HAA	35.08	107.34	32.57	34.60	20.24	20.06	21.48	22.91	47.68	106.03	16.43	28.13	64.62	48.39	145.91	22.22	78.42	64.38
3-HK	17.99	13.67	6.76	16.81	9.46	10.50	13.39	10.07	5.73	21.04	7.63	8.08	32.76	20.73	13.21	22.09	22.44	7.60
5-HIAA	1458.22	8548.58	5724.61	2052.60	6088.89	2462.98	2367.67	2310.95	6459.87	2439.02	5998.90	1956.03	1516.07	1244.83	6277.05	1056.55	7650.28	7450.52
5-HT	895.08	701.17	652.56	1094.95	384.96	1136.66	628.06	471.62	845.33	1521.94	1489.20	140.91	52.22	177.69	11.60	122.39	161.75	95.35
5-HTOL	97.24	104.73	76.49	128.33	110.94	76.82	69.91	85.17	131.84	83.16	131.11	131.19	95.49	148.20	186.08	98.69	101.23	311.74
5-HTP	3.16	1.53	1.47	2.06	2.19	2.17	2.37	2.18	2.75	2.30	4.02	4.01	3.30	3.43	3.29	3.04	4.10	8.20
5-Me-IAA	0.96	0.75	1.04	1.79	1.91	1.48	1.41	1.16	1.31	0.99	1.78	2.11	1.16	1.03	1.17	1.60	1.53	1.10
AA	136.03	154.65	113.84	158.97	100.32	149.04	135.69	122.33	163.72	148.25	149.33	176.29	164.66	131.24	169.97	151.53	122.19	154.18
IA	24.54	19.63	33.97	45.60	32.60	24.51	26.28	30.52	44.44	18.56	64.95	21.09	19.69	17.65	14.07	22.11	18.38	16.29
IAA	903.37	773.05	961.85	835.17	1413.46	689.11	803.61	1066.48	1009.82	685.19	1003.40	1054.10	849.18	861.09	1134.94	801.74	914.71	682.02
IAA-Ala	N/A	N/A	N/A	N/A	N/A	0.05	N/A	N/A	0.05	N/A	0.06	0.31	0.19	N/A	N/A	N/A	0.18	0.26
IAA-Asp	0.66	N/A	0.23	0.25	0.51	1.37	0.29	0.59	0.26	0.74	0.83	0.64	0.18	0.15	0.46	0.15	N/A	0.42
IAM	30.26	26.13	17.16	17.63	13.30	18.92	19.75	13.58	26.43	17.36	22.60	23.27	18.70	21.79	14.42	19.06	27.18	12.14
IAN	7.79	7.60	7.51	8.50	7.23	8.27	7.75	6.94	7.96	7.87	8.59	7.21	8.28	8.09	7.15	7.51	6.93	7.65
ICA	2945.21	1565.29	4379.89	4849.29	3783.22	4619.37	5756.10	3853.91	6802.75	332.68	6105.91	4902.49	2027.57	3438.01	924.07	7512.07	5886.48	851.13
IE	8256.97	8603.46	3798.98	7010.99	2277.38	5205.41	2751.97	2908.54	2920.77	8195.63	5193.08	2242.72	3085.34	3636.40	2581.08	1248.02	1804.42	3938.65
ICA	1058.98	3071.52	3694.40	1518.73	6526.81	1931.49	3048.65	2052.73	4046.17	577.44	4225.73	1930.65	565.23	695.38	1412.16	1223.80	4507.40	1920.88
ILA	73.51	70.88	56.17	60.59	78.54	58.24	75.64	88.06	67.92	66.43	65.91	96.43	92.91	80.19	92.78	67.17	67.25	100.09
Indican	1131.96	1387.95	965.37	1101.45	609.09	1153.92	862.49	808.18	1015.57	968.24	893.40	1102.13	1813.03	1292.52	1522.37	599.93	1072.03	1522.16
Indole	57.68	74.43	103.68	129.07	103.76	133.86	113.39	84.48	95.83	79.79	91.91	147.93	74.60	278.97	74.91	136.58	148.97	93.68
IPA	993.27	514.71	527.89	708.05	406.87	477.88	559.37	459.92	1008.86	721.47	785.73	614.02	724.37	539.08	393.75	648.91	420.34	244.99
IS	N/A	1.69	11.63	0.74	26.50	N/A	6.85	14.33	39.92	N/A	23.78	63.56	9.19	2.37	2.43	5.13	14.03	160.17
KYN	320.40	N/A	N/A	239.71	N/A	507.38	N/A	N/A	691.77	N/A	416.68	353.47	N/A	N/A	N/A	N/A	532.43	N/A
KYNA	816.49	932.62	868.38	982.96	786.66	754.14	947.09	941.38	868.77	756.94	695.17	1049.12	1184.96	969.07	1027.10	1039.61	1004.26	1232.96
Melatonin	55.58	40.41	22.77	N/A	N/A	56.81	52.69	2.28	55.85	6.02	24.01	11.11	15.51	N/A	N/A	N/A	9.96	47.77
NA	94253.85	84581.51	90808.32	119005.30	70310.72	122823.16	95931.21	77636.59	110588.72	88199.49	102066.45	80867.03	77595.31	84411.71	55183.48	93718.55	74540.75	56638.48
NAS	4.29	4.47	3.59	2.92	1.74	2.18	2.97	2.32	6.13	2.49	5.04	2.76	3.88	4.31	2.63	3.86	6.53	6.29
Skatole	4788.42	24456.88	13249.32	4121.42	14178.78	10261.15	6305.20	4586.36	7932.76	4894.75	8480.54	5562.69	3553.60	2573.77	11542.16	1921.24	9323.01	11536.89
Trp	16866.32	8344.14	5413.69	4056.18	6687.13	6014.94	12629.27	13856.97	11662.07	6486.90	22757.82	68263.42	27241.70	28333.17	49712.54	22647.12	20409.31	56599.80
Tryptamine	21346.21	21299.33	11917.74	14132.21	6975.43	14563.52	9764.75	8876.95	10028.20	24355.49	13379.02	3813.31	5444.20	4436.16	5072.95	2880.70	4103.90	4824.34
Xa	219.73	316.04	226.76	325.07	500.77	197.27	266.83	814.33	293.59	168.55	328.63	1446.74	415.54	435.60	731.00	494.24	337.08	1030.70

Sample Name	APC-BHI-102	APC-BHI-114	APC-BHI-117	APC-BHI-130	APC-BHI-131	APC-BHI-141	APC-E.coli-13	APC-E.coli-13	APC-E.coli-14	APC-E.coli-15	APC-E.coli-16	APC-Lg-134	APC-Lg-166	APC-Lg-167	APC-Lg-175	APC-Lg-178	APC-Lg-195	
Mass/mg	49.9	50.9	50.9	50.5	49.8	50.6	50.3	50.7	50.9	50.4	50.1	50.9	50.7	50.8	50.9	49.7	50.7	50.5
3-HAA	87.89	265.17	79.98	85.66	50.80	49.54	53.37	56.48	117.09	262.97	41.00	69.08	159.33	119.07	358.32	55.88	193.34	159.36
3-HK	45.07	33.78	16.60	41.61	23.74	25.94	33.28	24.83	14.07	52.18	19.03	19.85	80.77	51.01	32.43	55.57	55.34	18.82
5-HIAA	3652.87	21118.04	14058.48	5080.68	15283.35	6084.44	5883.88	5697.60	15864.12	6049.15	14967.32	4803.60	3737.85	3063.07	15415.16	2657.33	18861.64	18441.87
5-HT	2242.18	1732.13	1602.55	2710.28	966.27	2807.95	1560.78	1162.78	2075.95	3774.65	3715.56	346.04	128.74	437.22	28.49	307.81	398.79	236.01
5-HTOL	243.59	258.71	187.85	317.64	278.45	189.77	173.73	209.99	323.77	206.26	327.12	322.17	235.43	364.67	456.97	248.21	249.57	771.64
5-HTP	7.91	3.78	3.60	5.10	5.49	5.37	5.90	5.37	6.74	5.71	10.03	9.86	8.14	8.45	8.07	7.65	10.11	20.30
5-Me-IAA	2.42	1.86	2.56	4.44	4.79	3.65	3.30	2.86	3.23	2.45	4.44	5.19	2.86	2.52	2.87	4.03	3.78	2.73
AA	340.76	382.04	279.57	393.49	251.81	368.18	337.19	301.60	402.06	367.68	372.59	432.93	405.97	322.92	417.42	381.10	301.25	381.63
IA	61.46	48.48	83.43	112.87	81.84	60.54	65.31	75.24	109.13	46.03	162.06	51.79	48.55	43.44	34.56	55.61	45.33	40.32
IAA	2262.95	1909.71	2362.11	2067.26	3547.84	1702.34	1997.03	2629.40	2479.90	1699.37	2503.48	2588.65	2093.65	2118.83	2787.18	2016.45	2255.20	1688.18
IAA-Ala	N/A	N/A	N/A	N/A	N/A	0.12	N/A	N/A	0.13	N/A	0.16	0.77	0.47	N/A	N/A	N/A	0.44	0.65
IAA-Asp	1.66	N/A	0.58	0.62	1.29	3.39	0.72	1.45	0.65	1.83	2.07	1.56	0.43	0.37	1.14	0.39	N/A	1.05
IAM	75.79	64.56	42.13	43.64	33.39	46.75	49.08	33.47	64.90	43.07	56.39	57.14	46.12	53.63	35.42	47.95	67.01	30.06
IAN	19.51	18.78	18.44	21.03	18.14	20.43	19.26	17.10	19.55	19.52	21.42	17.71	20.42	19.90	17.55	18.90	17.09	18.93
ICA	7377.78	3866.83	10756.11	12003.19	9496.05	11411.49	14304.42	9501.76	16706.15	825.10	15234.31	12039.51	4998.95	8459.68	2269.32	18893.53	14513.02	2106.75
IE	20683.80	21253.61	9329.53	17353.94	5716.31	12859.21	6838.89	7170.95	7172.83	20326.45	12956.78	5507.65	7606.86	8948.06	6338.59	3138.89	4448.76	9749.13
ICA	2652.76	7587.74	9072.68	3759.23	16382.57	4771.48	7576.16	5060.97	9936.57	1432.15	10543.24	4741.27	1395.57	1711.08	3467.98	3077.96	1112.91	4754.65
ILA	184.13	175.10	137.93	149.97	197.14	143.87	187.96	217.12	166.81	164.77	164.44	236.81	229.07	197.32	227.86	168.94	165.80	247.75
Indican	2835.58	3428.74	2370.76	2726.37	1528.84	2850.59	2143.36	1992.56	2494.03	2401.38	2229.04	2706.60	4469.98	3180.40	3738.63	1508.88	2643.08	3767.71
Indole	144.48	183.87	254.63	319.49	260.44	330.69	281.79	208.29	235.33	197.89	229.32	363.30	183.93	686.45	183.95	343.52	367.28	231.88
IPA	2488.16	1271.52	1296.39	1752.61	1021.25	1180.54	1390.10	1133.93	2477.56	1789.37	1960.41	1507.90	1785.91	1326.48	966.98	1632.07	1036.34	606.42
IS	N/A	4.16	28.55	1.82	66.51	N/A	17.03	35.32	98.03	N/A	59.34	156.08	22.67	5.82	5.97	12.89	34.59	396.45
KYN	802.60	N/A	N/A	593.35	N/A	1253.41	N/A	1698.86	N/A	1039.62	868.05	N/A	N/A	N/A	N/A	N/A	1312.69	N/A
KYNA	2045.31	2303.91	2132.57	2433.07	1974.56	1863.00	2353.59	2320.95	2133.53	1877.34	1734.46	2576.42	2921.49	2384.52	2522.36	2614.72	2475.98	3051.87
Melatonin	139.22	99.82	55.91	N/A	N/A	140.35	130.94	5.63										