

Supplemental Table 1. PCR primers used in this study

Target	NCBI Accession	Species	Forward Sequence (5'-3')	Reverse Sequence (5'-3')	Application
16S rRNA gene	n/a	pan-Bacterial	AGAGTTTGATCCTGGCTCAG	GACGGGCGGTGGWTRCA	Germ-free screening
16S rRNA gene	AB727349.1	<i>Turicibacter spp.</i>	GCGCGCAGGTGGTTAATTAAGTCT	TCAGTGTCAGTTGCAGACCAGGAA	Germ-free screening
16S rRNA gene	NR_102911.1	<i>Helicobacter spp.</i>	GCATTTGAACTGTTACTCTG	CTGTTTTCAAGCTCCCC	Germ-free screening
<i>L32 cDNA</i>	NM_172086.2	<i>Mus musculus</i>	CCTCTGGTGAAGCCCAAGATC	TCTGGGTTTCCGCCAGTTT	qRT-PCR (mouse colon)
<i>Tph1 cDNA</i>	NM_009414.2	<i>Mus musculus</i>	AAGAAATTGGCCTGGCTTC	GTTTGCACAGCCCAAATC	qRT-PCR (mouse colon)
<i>Chga cDNA</i>	NM_007693.1	<i>Mus musculus</i>	CCCACTGCAGCATCCAGTT	AGTCCGACTGACCATCATCTTTC	qRT-PCR (mouse colon)
<i>Maoa cDNA</i>	NM_173740.3	<i>Mus musculus</i>	GGAGAAGCCCAGTATCACAGG	GAACCAAGACATTAATTTTGTATTCTGAC	qRT-PCR (mouse colon)
<i>Slc6a4 cDNA</i>	NM_010484.2	<i>Mus musculus</i>	TATCCAATGGGTACTCCGCAG	CCGTTCCCCTTGGTGAATCT	qRT-PCR (mouse colon)
<i>Htr4 cDNA</i>	NM_008313.4	<i>Mus musculus</i>	AGTTCCAACGAGGGTTTCAGG	CAGCAGGTTGCCCAAGATG	qRT-PCR (mouse colon)
<i>ACTB cDNA</i>	NM_001101.3	<i>Homo sapiens</i>	ACTCTTCCAGCCTTCTTCTCT	CAGTGATCTCCTTCTGCATCCT	qRT-PCR (BON cells)
<i>TPH1 cDNA</i>	NM_004179.2	<i>Homo sapiens</i>	TGCAAAGGAGAAGATGAGAGAATTTAC	CTGGTTATGCTCTTGGTGTCTTTC	qRT-PCR (BON cells)