

SUPPLEMENTARY TABLE

Supplementary Table 1. Bacterial genera with different abundance between sexes in intact and gonadectomized animals.

	<i>Normal feeding</i>		<i>Postnatal overfeeding</i>	
	<i>non-GNX</i>	<i>GNX</i>	<i>non-GNX</i>	<i>GNX</i>
<i>Methanobrevibacter</i>	F	F	F	F
<i>Bacteroides</i>	M		M	M
<i>Parabacteroides</i>			M	M
<i>Prevotella (Prevotellaceae)</i>	M			M
<i>Unknown (f_RF16)</i>	M	M	M	M
<i>Unknown (f_S24-7)</i>		F		
<i>Butyricimonas</i>				M
<i>CF231</i>			M	
<i>Unknown (Elusimicrobiaceae)</i>	M	M		M
<i>Elusimicrobium</i>	M			M
<i>Lactobacillus</i>	F			
<i>Unknown (Christensenellaceae)</i>				M
<i>Clostridium (Clostridiaceae)</i>		F		
<i>Roseburia</i>				M
<i>Unknown (Peptococcaceae)</i>		F	F	F
<i>rc4-4</i>		M		M
<i>Clostridium (Peptostreptococcaceae)</i>		F		
<i>Unknown (Ruminococcaceae)</i>				M
<i>Oscillospira</i>			F	F
<i>Phascolarctobacterium</i>	M			
<i>Unknown (Mogibacteriaceae)</i>			F	
<i>Unknown (Desulfovibrionaceae)</i>		M		
<i>Desulfovibrio</i>	F		F	F
<i>Flexispira</i>		M		
<i>Helicobacter</i>		M	F	
<i>Treponema</i>			M	
<i>Unknown (f_F16)</i>	F	F	F	F
<i>Unknown (f_WCHB1-25)</i>	M	M	M	
<i>Defluviitalea</i>				M

GNX: gonadectomized animals. Non-GNX: intact animals. M: higher abundance in males. F: higher abundance in females.