

Supplemental Material
Exercise Attenuates PCB-Induced Changes in the Mouse Gut
Microbiome

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TABLE OF CONTENTS

Table S1. Bacterial taxa present in exercised mice only	2
Table S2. Bacterial taxa present in sedentary mice only	6

Supplemental Material, Table S1. Bacterial taxa present in exercised mice only

Phylum	Class	Order	Family	Species	GenBank Accession ID
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	EF533987
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	FJ378668
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	FJ378683
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	FJ378661
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	FJ378674
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	Y18294
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	AJ874342
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	AY057055
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	AM157434
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	EU878169
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	AY653231
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	EU807757
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecalis</i>	FJ378658
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	AJ420800
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	FJ378686
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus gallinarum</i>	GQ337019
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	EU878170
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	EU428012

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Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	FJ378689
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	FJ378697
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	NZ_ACIY01000209
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	FJ378673
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	AF070223
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	FJ378670
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	EU003448
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	FJ378693
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus lactis</i>	FJ015055
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus faecium</i>	AY971749
Firmicutes	Bacilli	Bacillales	<i>Bacillaceae</i>	<i>Bacillus subtilis</i>	EF990557
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus casseliflavus</i>	X76177
Firmicutes	Bacilli	Lactobacillales	<i>Streptococcaceae</i>		AY005040
Proteobacteria	Gammaproteobacteria	Pseudomonadales	<i>Pseudomonadaceae</i>		EU538172
Firmicutes	Bacilli	Lactobacillales	<i>Aerococcaceae</i>	<i>Aerococcus urinae</i>	U64457
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus hirae</i>	FJ851687
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus lactis</i>	EU717965
Bacteroidetes	Bacteroidia	Bacteroidales	<i>Bacteroidaceae</i>		EU763339
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>		DQ015047

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Actinobacteria	Actinobacteria	Actinomycetales	<i>Micromonosporaceae</i>	<i>Catenuloplanes niger</i>	FJ715940
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus villorum</i>	AF335596
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>		GQ155230
Firmicutes	Bacilli	Lactobacillales	<i>Aerococcaceae</i>	<i>Aerococcus viridans</i>	AY707773
Bacteroidetes	Bacteroidia	Bacteroidales	<i>Bacteroidaceae</i>		EU768032
Bacteroidetes	Bacteroidia	Bacteroidales	<i>RikenellaceaeII</i>	<i>Bacteroides nordii</i>	EU887841
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus canintestini</i>	GQ337018
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>		DQ795656
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>	<i>Eubacterium rectale</i>	FJ367978
Proteobacteria	Gammaproteobacteria	Enterobacteriales	<i>Enterobacteriaceae</i>	<i>Citrobacter freundii</i>	AY163805
Bacteroidetes	Bacteroidia	Bacteroidales	<i>Bacteroidaceae</i>		EU767916
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>		EU452598
Firmicutes	Bacilli	Bacillales	<i>Bacillaceae</i>	<i>Bacillus subtilis</i>	FJ544352
Bacteroidetes	Bacteroidia	Bacteroidales	<i>Bacteroidaceae</i>		EU762810
Firmicutes	Bacilli	Lactobacillales	<i>Enterococcaceae</i>	<i>Enterococcus hirae</i>	AJ301834
Bacteroidetes	Bacteroidia	Bacteroidales	<i>Bacteroidaceae</i>		EU763101
Nitrospirae	Nitrospira	Nitrospirales	<i>Thermodesulfovibrionaceae</i>		FJ638591
Firmicutes	Bacilli	Bacillales	<i>Bacillaceae</i>	<i>Geobacillus thermoleovorans</i>	AY450926
Proteobacteria	Betaproteobacteria	Burkholderiales	<i>Aquabacteriaceae</i>		GQ102733

Phylum	Class	Order	Family	Species	GenBank Accession ID
Actinobacteria	Actinobacteria	Actinomycetales	<i>Corynebacteriaceae</i>		GQ035028
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>	<i>Clostridium nexile</i>	X73443
Firmicutes	Clostridia	Clostridiales	<i>Ruminococcaceae</i>		FJ370347
Bacteroidetes	Bacteroidia	Bacteroidales	<i>RikenellaceaeII</i>		EU771159
Bacteroidetes	Flavobacteria	Flavobacteriales	<i>Flavobacteriaceae</i>		GQ098103
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>		AY982924
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>	<i>Eubacterium rectale</i>	FJ684683
Tenericutes	Mollicutes	RF39	unclassified		EU842453
Firmicutes	Bacilli	Bacillales	<i>Planococcaceae</i>	<i>Ureibacillus</i>	AB170018
Bacteroidetes	Bacteroidia	Bacteroidales	<i>RikenellaceaeII</i>		EU504144
Bacteroidetes	Sphingobacteria	Sphingobacteriales	<i>Saprospiraceae</i>		GU230422

Supplemental Material, Table S2. Bacterial taxa present in sedentary mice only

Phylum	Class	Order	Family	Species	GenBank Accession ID
Tenericutes	Erysipelotrichi	Erysipelotrichales	<i>Erysipelotrichaceae</i>	<i>C11_K211</i>	DQ015346
Firmicutes	Clostridia	Clostridiales	<i>Ruminococcaceae</i>		EU453704
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>		EF099589
Firmicutes	Bacilli	Bacillales	<i>Bacillaceae</i>	<i>Bacillus halodurans</i>	EF113315
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>		AB494756
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>		EU453854
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>		FJ674265
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>		EU472163
Bacteroidetes	Bacteroidia	Bacteroidales	<i>RikenellaceaeII</i>		CU922957
Firmicutes	Clostridia	Clostridiales	<i>Ruminococcaceae</i>		EF399615
Proteobacteria	Betaproteobacteria	Burkholderiales	<i>Aquabacteriaceae</i>		GQ115257
Proteobacteria	Betaproteobacteria	Burkholderiales	<i>Aquabacteriaceae</i>		GQ037260
Proteobacteria	Betaproteobacteria	Burkholderiales	<i>Aquabacteriaceae</i>		GQ099604
Firmicutes	Clostridia	Clostridiales	<i>Ruminococcaceae</i>		FJ682721
Proteobacteria	Gammaproteobacteria	Pseudomonadales	<i>Pseudomonadaceae</i>		EF620447
Firmicutes	Clostridia	Clostridiales	<i>Ruminococcaceae</i>		FJ674232
Proteobacteria	Gammaproteobacteria	Oceanospirillales	<i>Oceanospirillaceae</i>		FJ403057
Firmicutes	Clostridia	Clostridiales	<i>Ruminococcaceae</i>		AB185773

Phylum	Class	Order	Family	Species	GenBank Accession ID
Firmicutes	Clostridia	Clostridiales	<i>Ruminococcaceae</i>		FJ371863
Firmicutes	Bacilli	Exiguobacterales	<i>Exiguobacteraceae</i>		FJ821599
Proteobacteria	Betaproteobacteria	Burkholderiales	<i>Aquabacteriaceae</i>		GQ071248
Firmicutes	Bacilli	Bacillales	<i>Bacillaceae</i>		AB245377
Firmicutes	Clostridia	Clostridiales	<i>Ruminococcaceae</i>		EU460195
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>		DQ800645
Firmicutes	Clostridia	Clostridiales	<i>Lachnospiraceae</i>		AJ408971
Bacteroidetes	Bacteroidia	Bacteroidales	<i>Rikenellaceae</i>		AY993090