

Figure S1

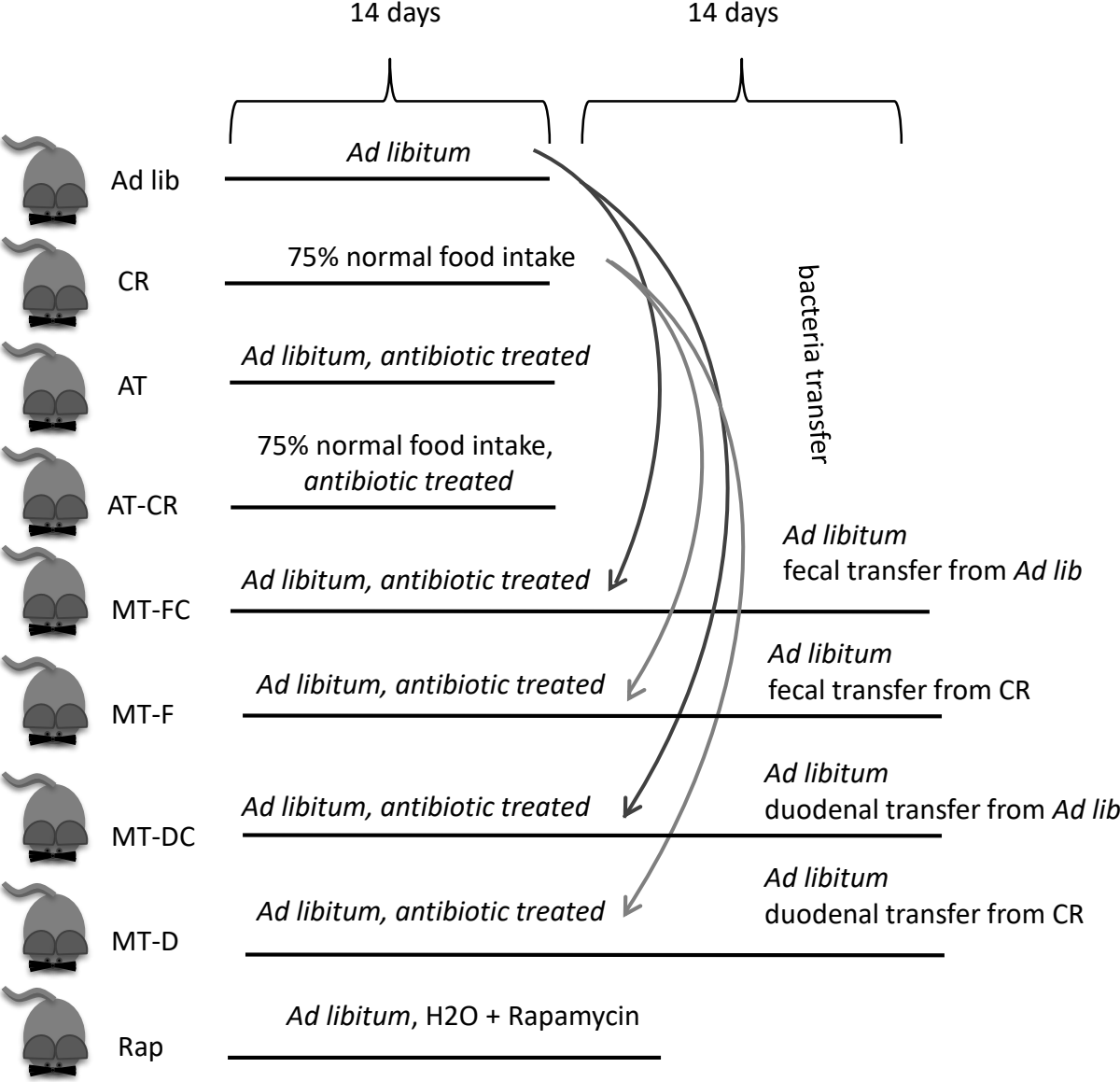


Figure S2

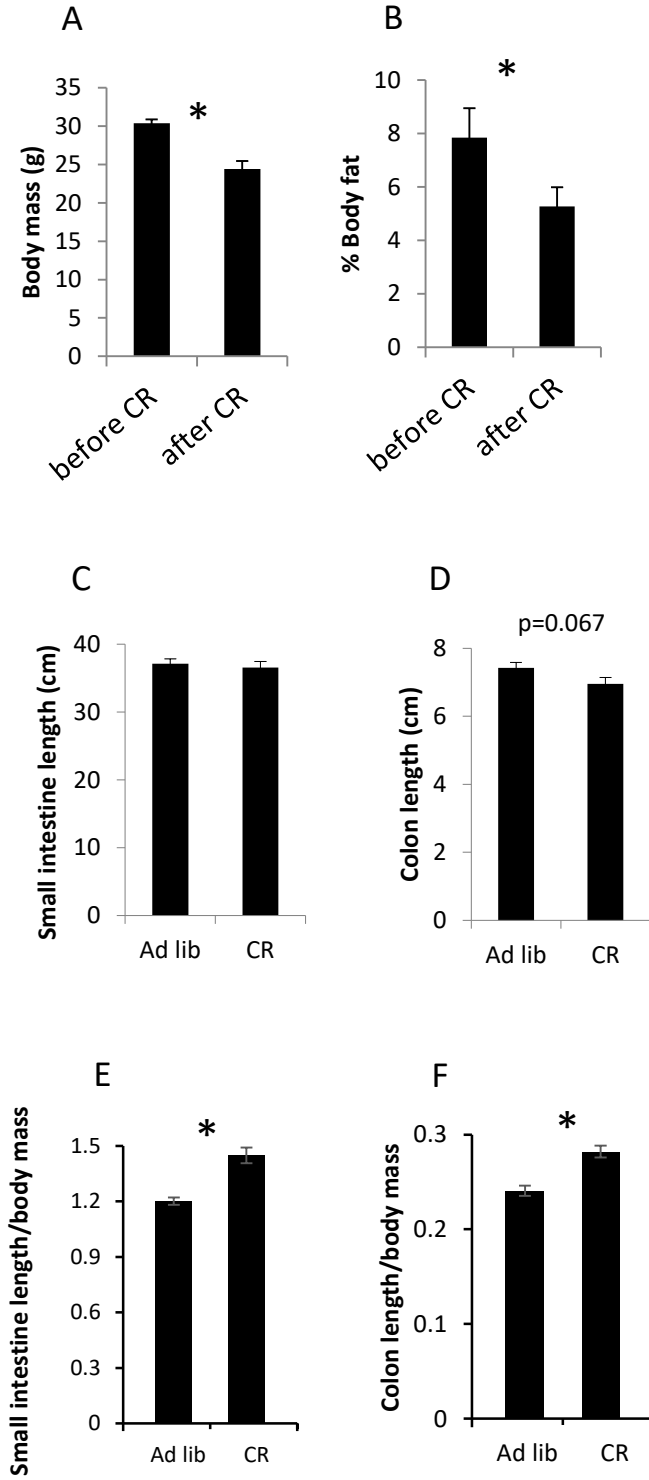
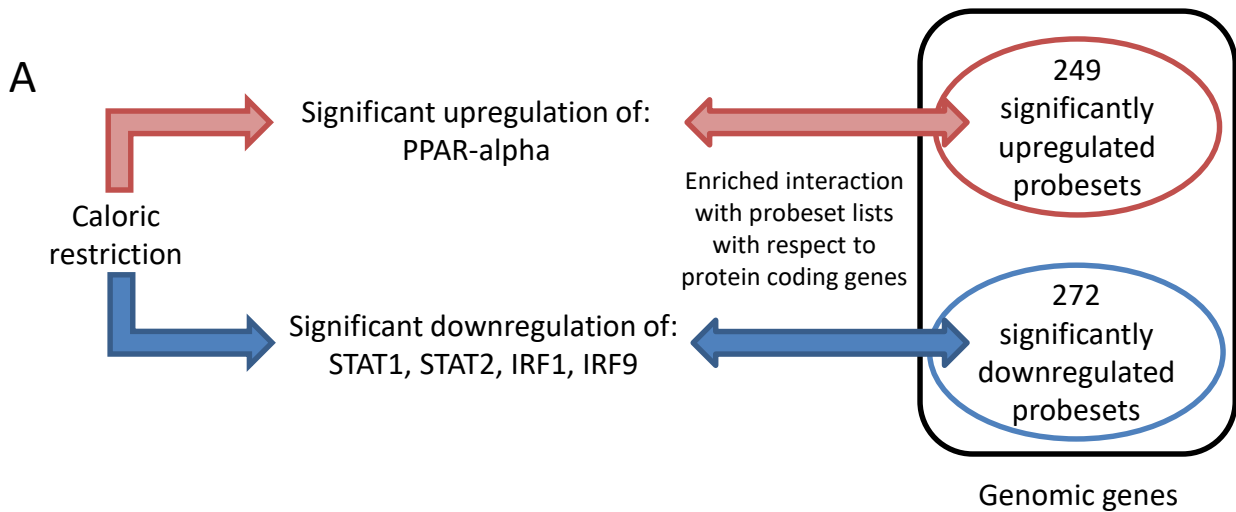


Figure S3



B Enriched interactors with the genes upregulated after caloric restriction

Androgen receptor	JunB	SHP
AP-2A	KLF15	SP1
APOB	LXR-alpha	SP3
BACH1	LXR-beta	SREBP1 (nuclear)
BMAL1	miR-33a-5p	TCF7L2 (TCF4)
C/EBPalpha	MIST1	TR4
CAR	NCOA1 (SRC1)	TWIST2
c-Fos	N-CoR	USF1
c-Jun	NFYA	USF2
c-Jun/c-Jun	NRF2	
CLOCK	Oct-1	
ESR1 (nuclear)	p73	
FKHR	Pit3	
FOXO3A	PPAR-alpha	
GCR-alpha	PPAR-gamma	
HIF1A	PROX1	
HNF1-alpha	PXR	
HNF3-alpha	RARalpha	
HNF3-beta	ROR-alpha	
HNF4-alpha	RXRA	

Enriched interactors with the genes downregulated after caloric restriction

C/EBPbeta	CD209b	IL-21	NF-kB p50/p50
EGR1	CD74	IL-30	NKRF
	CEACAM1	IL-4	Nod2 (CARD15)
	c-IAP2	IL-7	OAS1
	c-Rel (NF-kB subunit)	IP10	Oas1b
	Fibronectin	IRF1	p300
	FOXP3	IRF2	PARP-14
	GBP1	IRF3	PU.1
	IFI56	IRF4	RelA (p65 NF-kB subunit)
	IFIT1	IRF7	RIG-G
	IFNAR2	IRF8	STAT1
	IFNGR1	IRF9	STAT2
	IGTP	ISG15	STAT3
	IL-1 beta	ISG54	STAT6
	IL-12 alpha	LMIR4	TLR2
	IL-12 beta	MD-2	WNT3

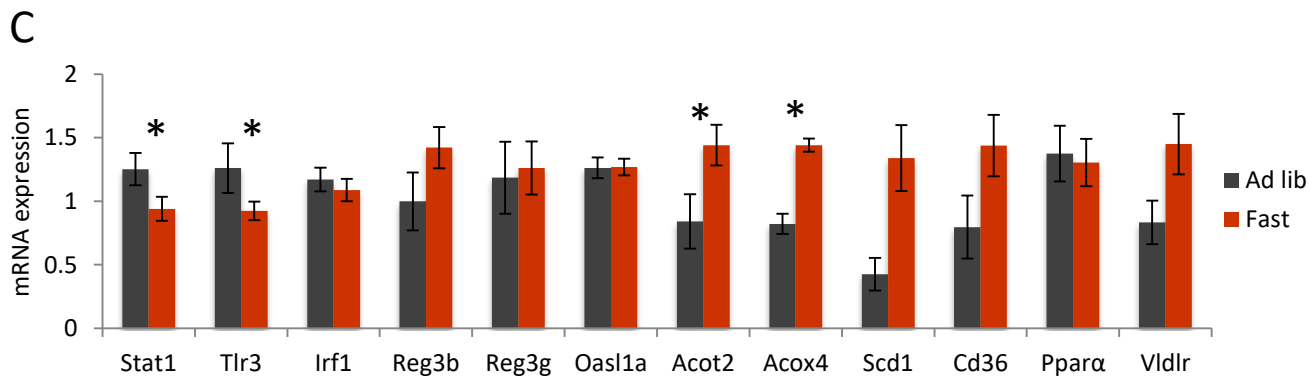
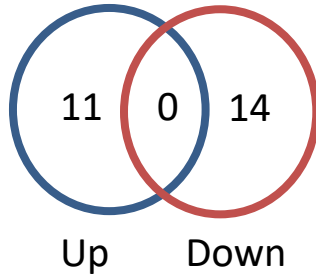


Figure S4

A

Drug metabolism
 Fatty acid metabolism
 PPAR signaling pathway
 Retinol metabolism
 Ribosome
 acyl-CoA metabolic process
 coenzyme metabolic process
 cofactor metabolic process
 fatty acid metabolic process
 oxidation reduction
 vitamin metabolic process



DNA packaging
 cellular macromolecular complex assembly
 cellular macromolecular complex subunit organization
 cholesterol biosynthetic process
 chromatin assembly
 chromatin assembly or disassembly
 lipid biosynthetic process
 macromolecular complex assembly
 macromolecular complex subunit organization
 nucleosome assembly
 nucleosome organization
 protein-DNA complex assembly
 steroid biosynthetic process
 sterol biosynthetic process

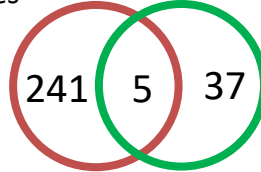
B

Genes upregulated in at least two other tissues



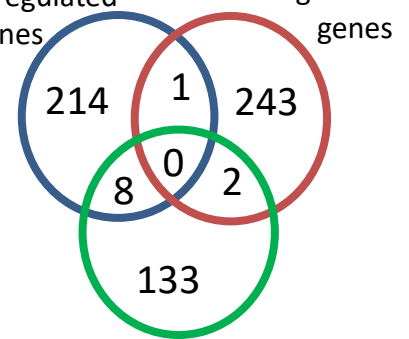
C

Genes downregulated in at least two other tissues



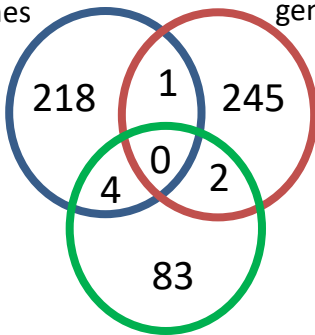
D

Duodenum upregulated genes and Duodenum downregulated genes



E

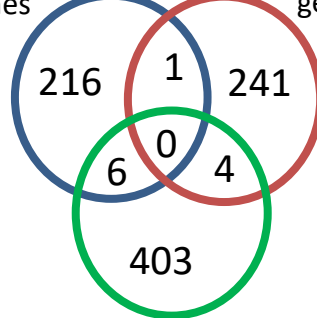
Duodenum upregulated genes and Duodenum downregulated genes



Heart genes

F

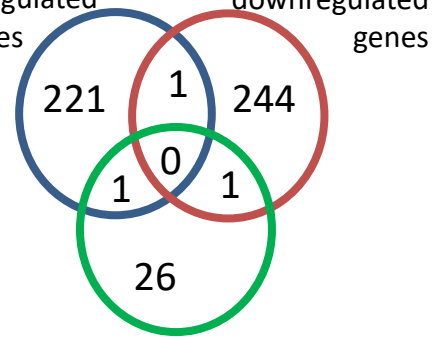
Duodenum upregulated genes and Duodenum downregulated genes



WAT genes

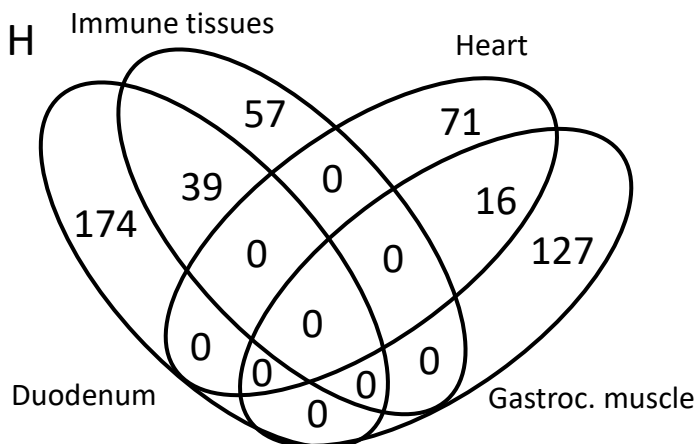
G

Gastrocnemius muscle genes and Duodenum upregulated/downregulated genes



Immune tissues genes

H



I

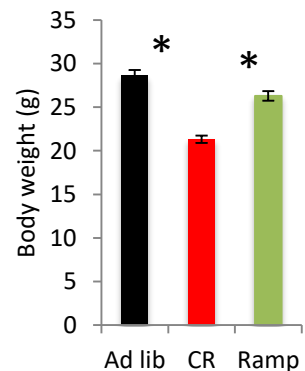
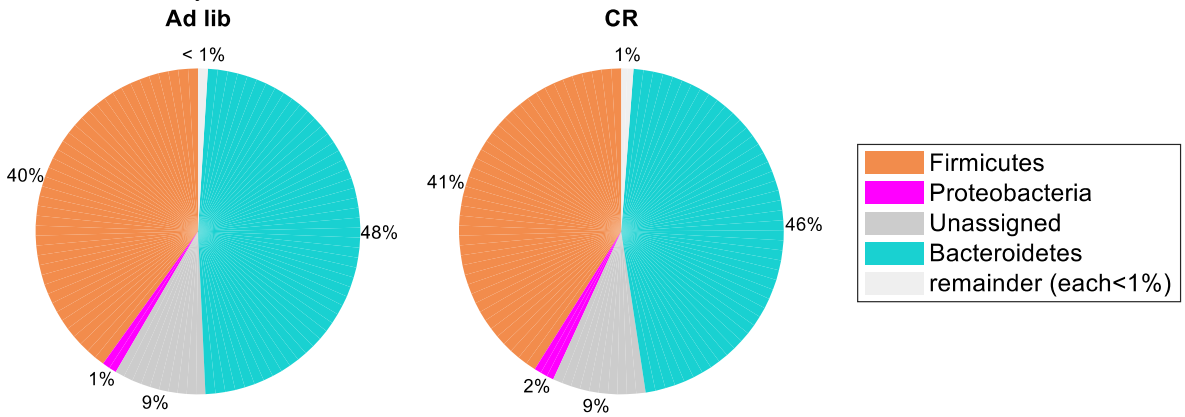
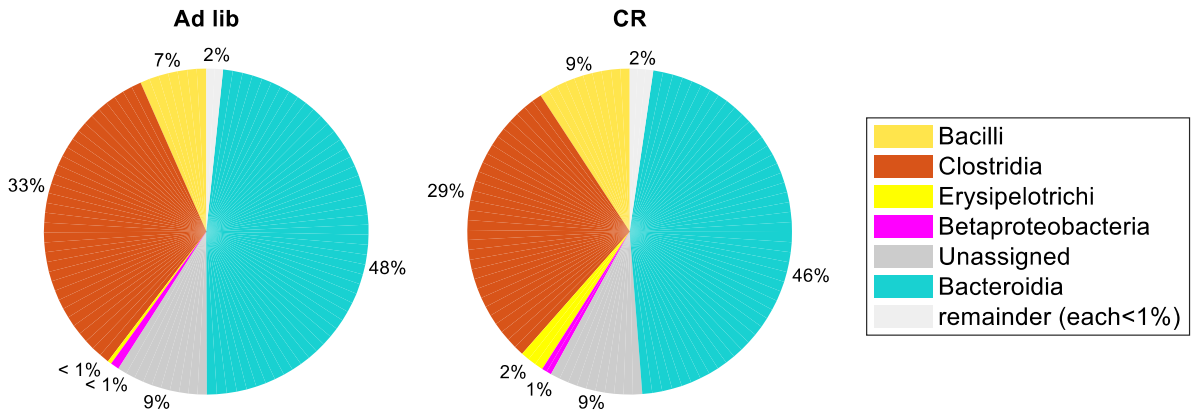


Figure S5

A Feces: Phylum



B Feces: Class



C Feces: Family

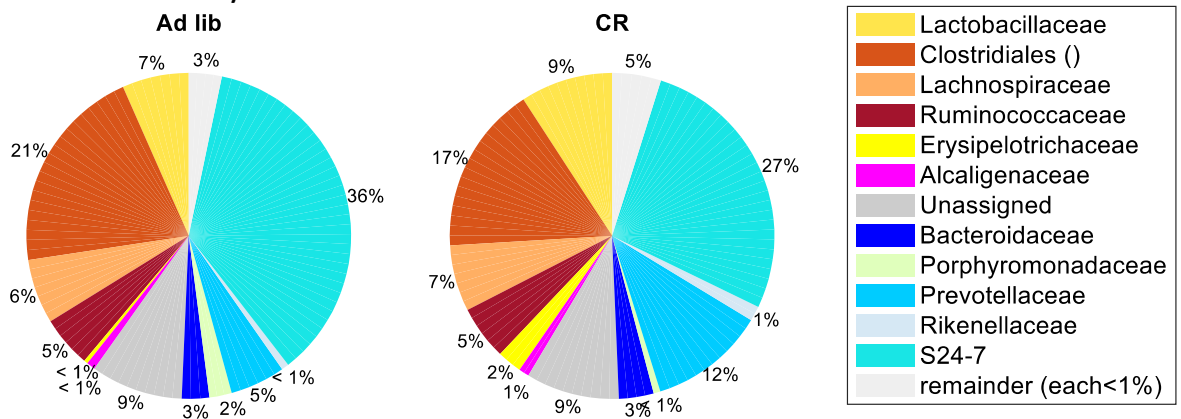
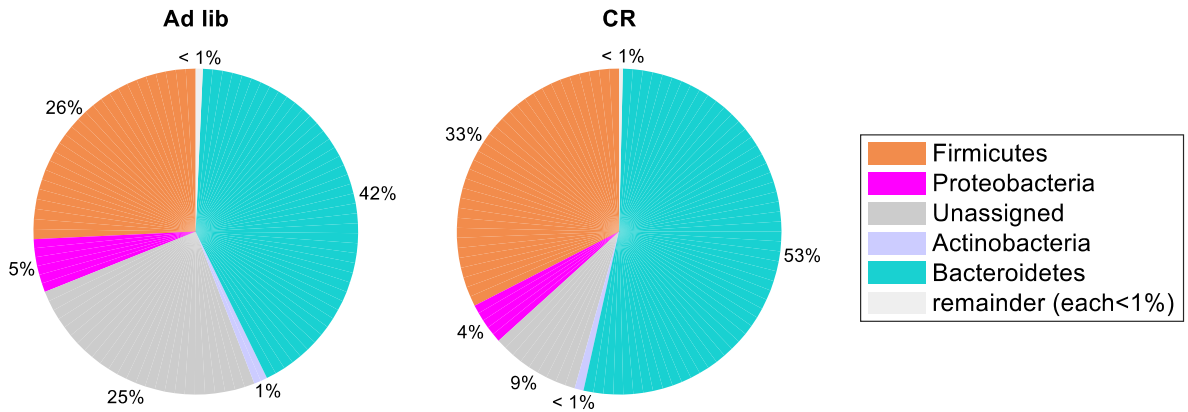
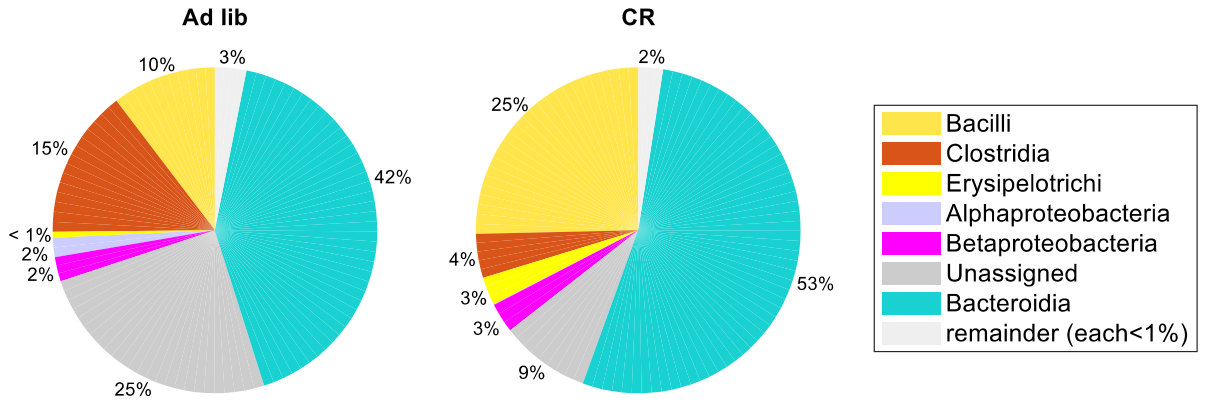


Figure S6

D Small intestine: Phylum



E Small intestine: Class



F Small intestine: Family

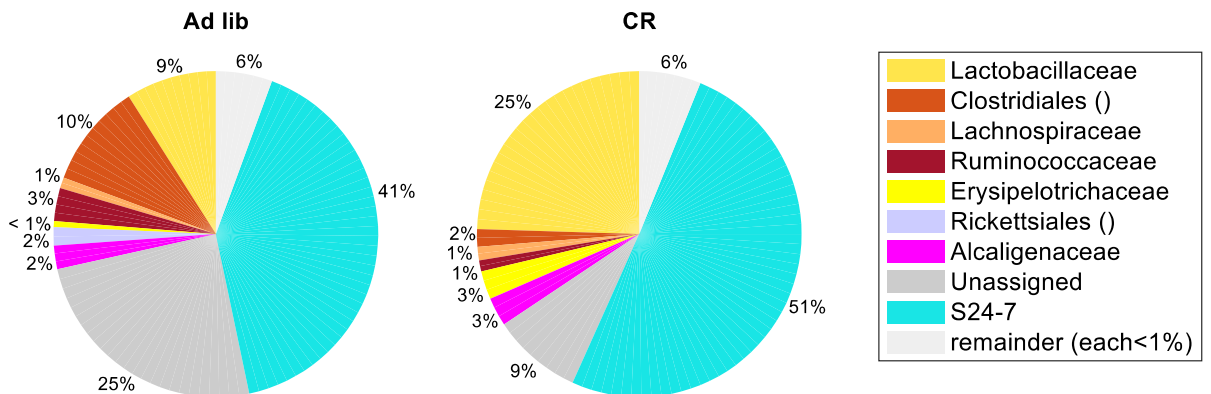


Figure S7

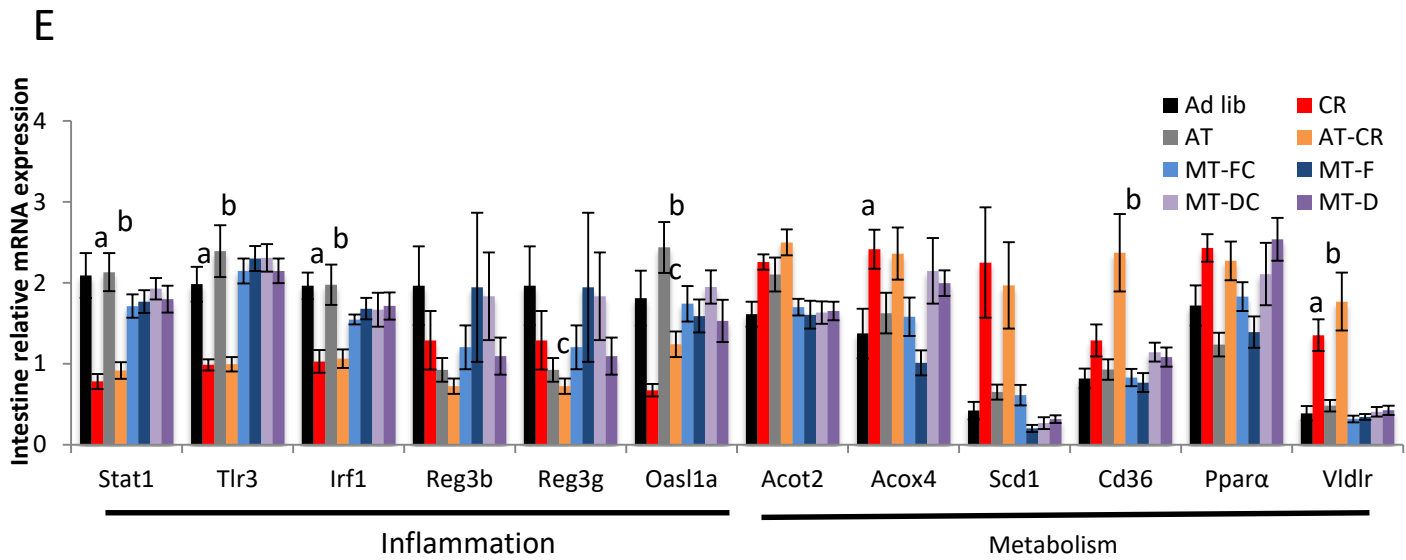
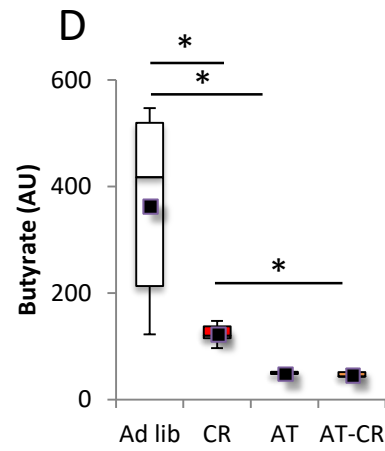
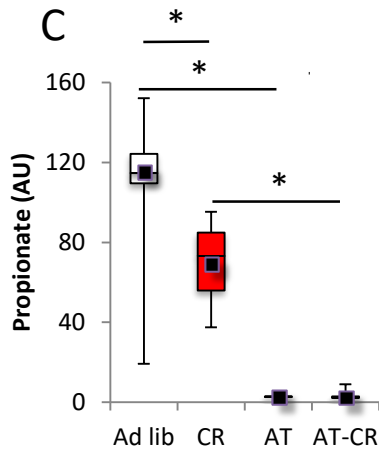
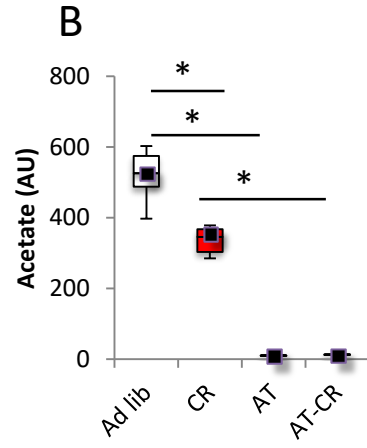
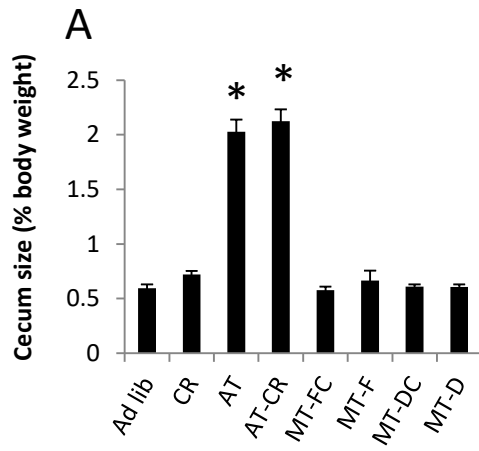
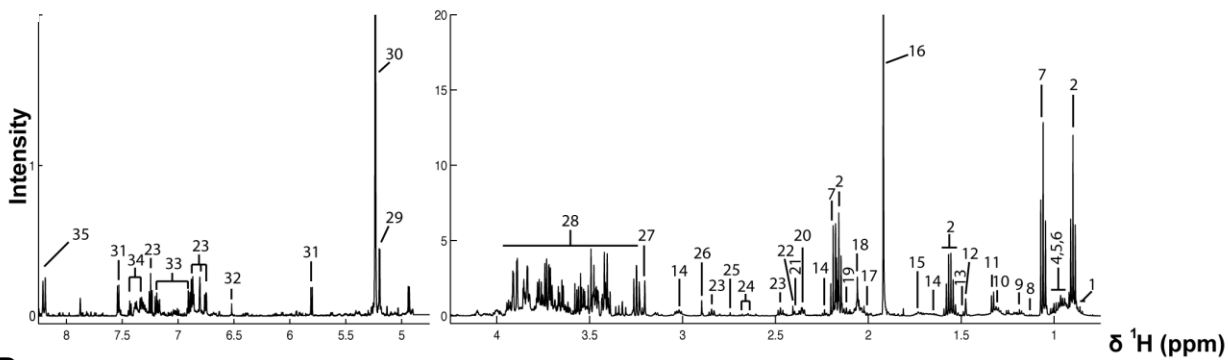
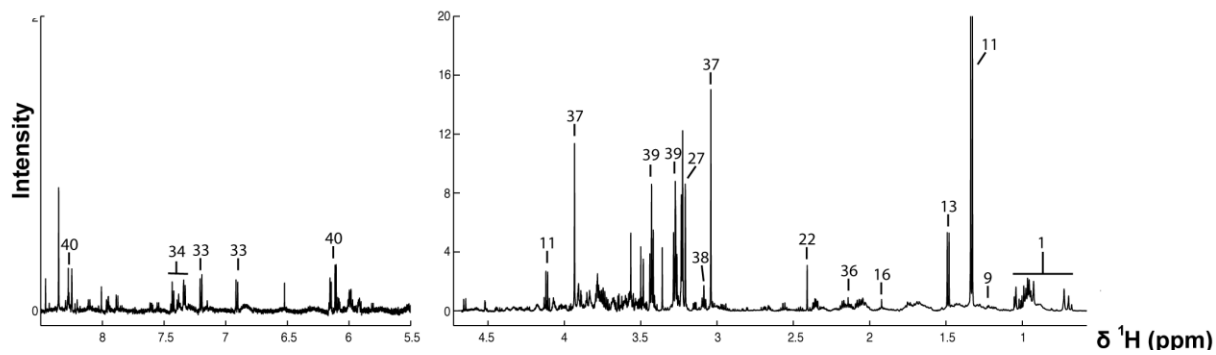


Figure S8

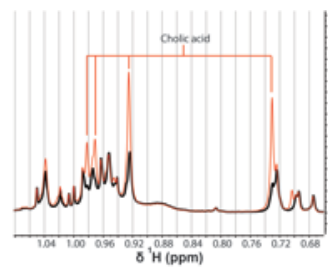
A



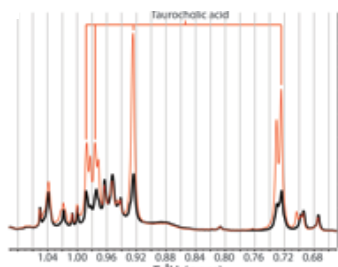
B



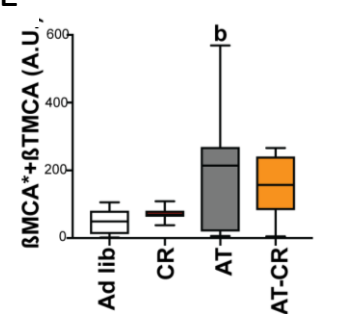
C



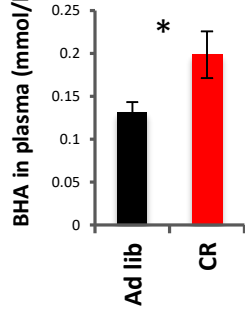
D



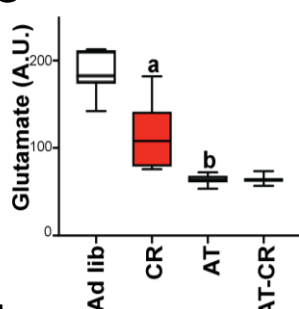
E



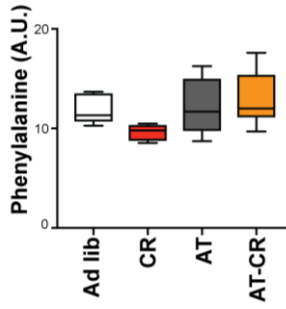
F



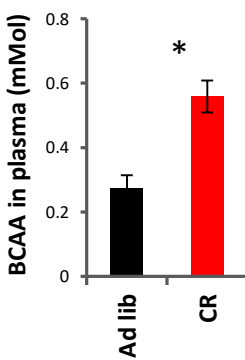
G



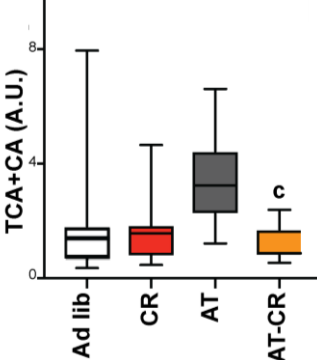
H



I



J



K

