

Cocaine Induces Inflammatory Gut Milieu by Compromising the Mucosal

Barrier Integrity and Altering the Gut Microbiota Colonization

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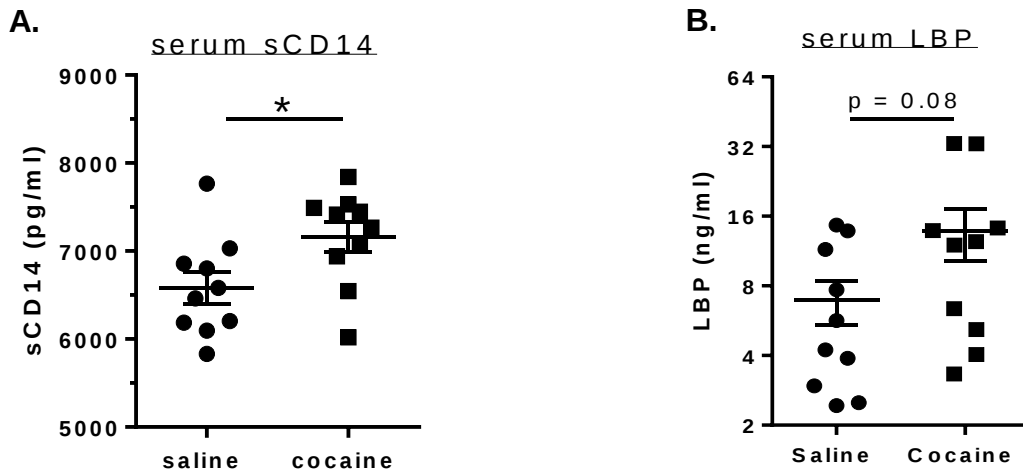
Supplementary Table S1: Bacterial species altered by cocaine in the colon

Species	Fold change	P value	Significance	Regulation
<i>Porphyromonadaceae</i> unclassified	9.10	0.0041	yes	up
<i>Bacteroidales</i> unclassified	7.16	0.0015	yes	up
<i>Barnesiella</i> unclassified	10.65	0.0043	yes	up
<i>Clostridiales</i> Family XIII. <i>Incertae Sedis</i> unclassified	1.36	0.0051	yes	up
<i>Erysipelotrichaceae</i> unclassified	1.84	0.0065	yes	up
<i>Sphingomonas</i> unclassified	4.42	0.0020	yes	up
<i>Pasteurellaceae</i> unclassified	4.36	0.0130	yes	up
<i>Proteobacteria</i> unclassified	6.71	0.0166	yes	up
<i>Mucispirillum</i> unclassified	-1.34	0.0191	yes	down
<i>Desulfovibrionaceae</i> unclassified	4.53	0.0272	yes	up
<i>Alistipes</i> unclassified	2.25	0.0413	yes	up
<i>Butyricoccus</i> unclassified	-0.88	0.0479	no	down
<i>Uncultured Staphylococcus</i> sp.	4.17	0.0451	yes	up
<i>Ruminococcaceae</i> unclassified	-0.51	0.0191	yes	down
<i>Prevotella</i> uncultured	inf	0.0130	yes	up

Supplementary Table S2: Bacterial species altered by cocaine in fecal droppings

Species	Fold change	P value	Significance	Regulation
<i>Porphyromonadaceae</i> unclassified	10.74	0.0015	yes	up
<i>Barnesiella</i> unclassified	Inf	0.0052	yes	up
<i>Proteobacteria</i> unclassified	7.18	0.0406	yes	up
<i>Turicibacter</i> unclassified	0.48	0.0415	yes	up
<i>Bacteroides salyersiae</i>	-1.20	0.0231	yes	down
<i>Alistipes</i> unclassified	2.68	0.0233	yes	up
<i>Pseudoflavonifractor</i> unclassified	-1.07	0.0281	yes	down
<i>Bacteroides stercorisoris</i>	-1.55	0.0340	yes	down
<i>Lachnospiraceae incertae sedis</i> unclassified	-1.25	0.0412	yes	down
<i>Odoribacter</i> unclassified	11.67	0.0360	yes	up
<i>Streptophyta</i> unclassified	-3.95	0.0360	yes	down
Uncultured <i>Lactobacillus</i> sp.	-2.03	0.0497	yes	down

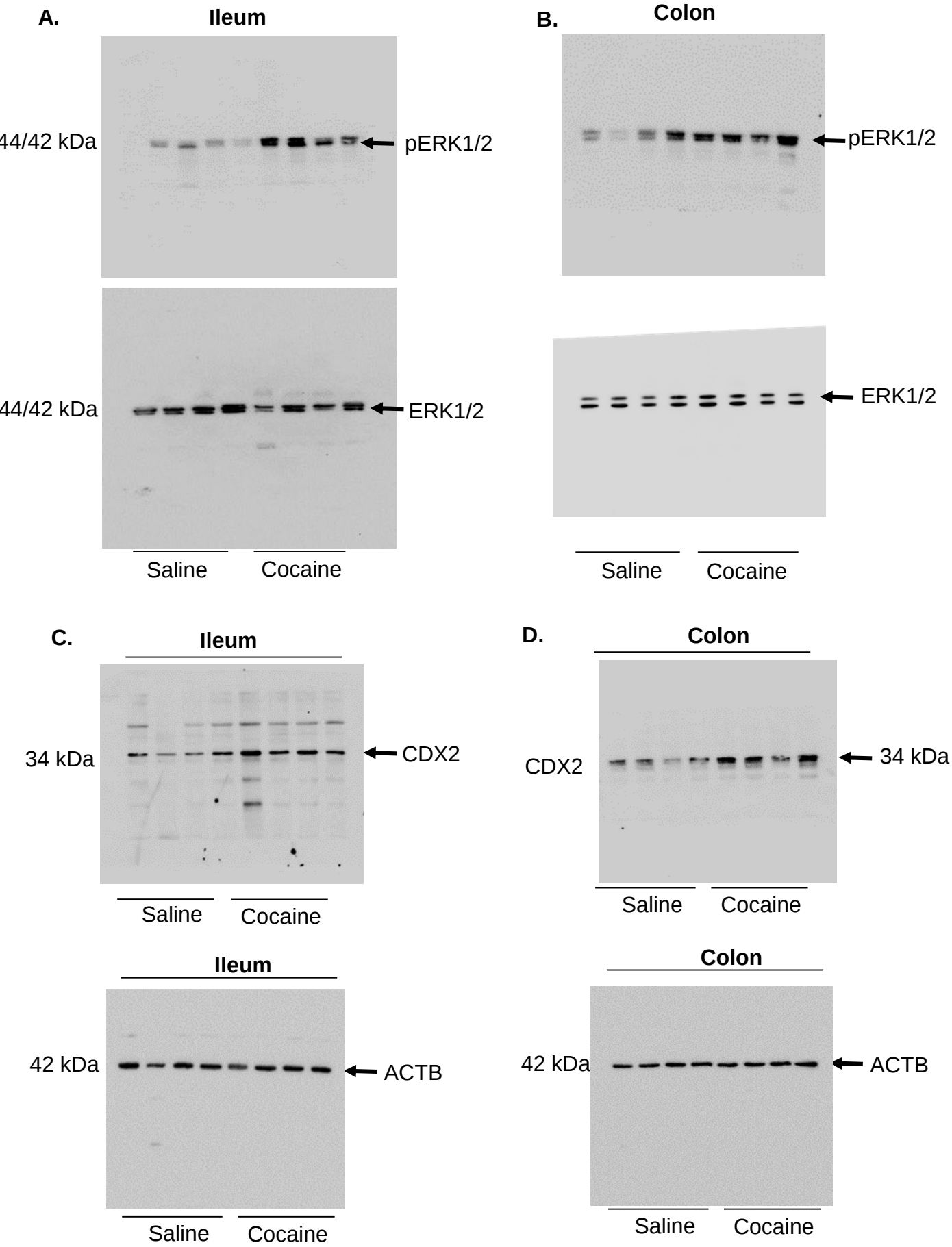
Supplementary Figure 1 Buch



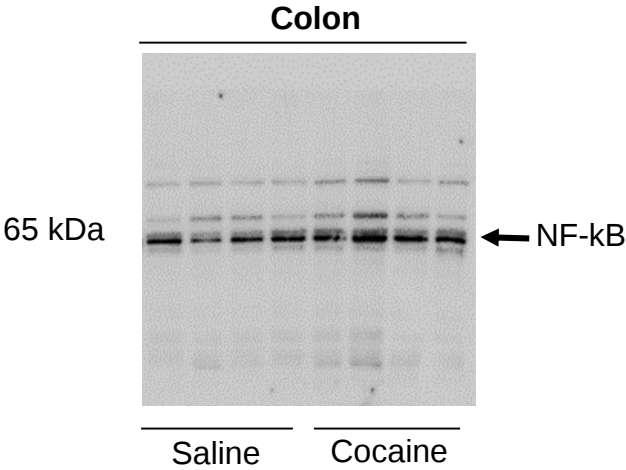
Supplementary Figure 1: Cocaine-induced an inflammatory milieu in the serum

Soluble CD14 (sCD14) and Lipopolysaccharide Binding Protein (LBP) were quantified by ELISA in serum samples from cocaine-administered mice or saline controls (n=10/group, * $p < 0.05$). As shown in a, sCD14 levels were increased in the cocaine administered group, and LBP showed an increasing trend (b) compared with the saline controls.

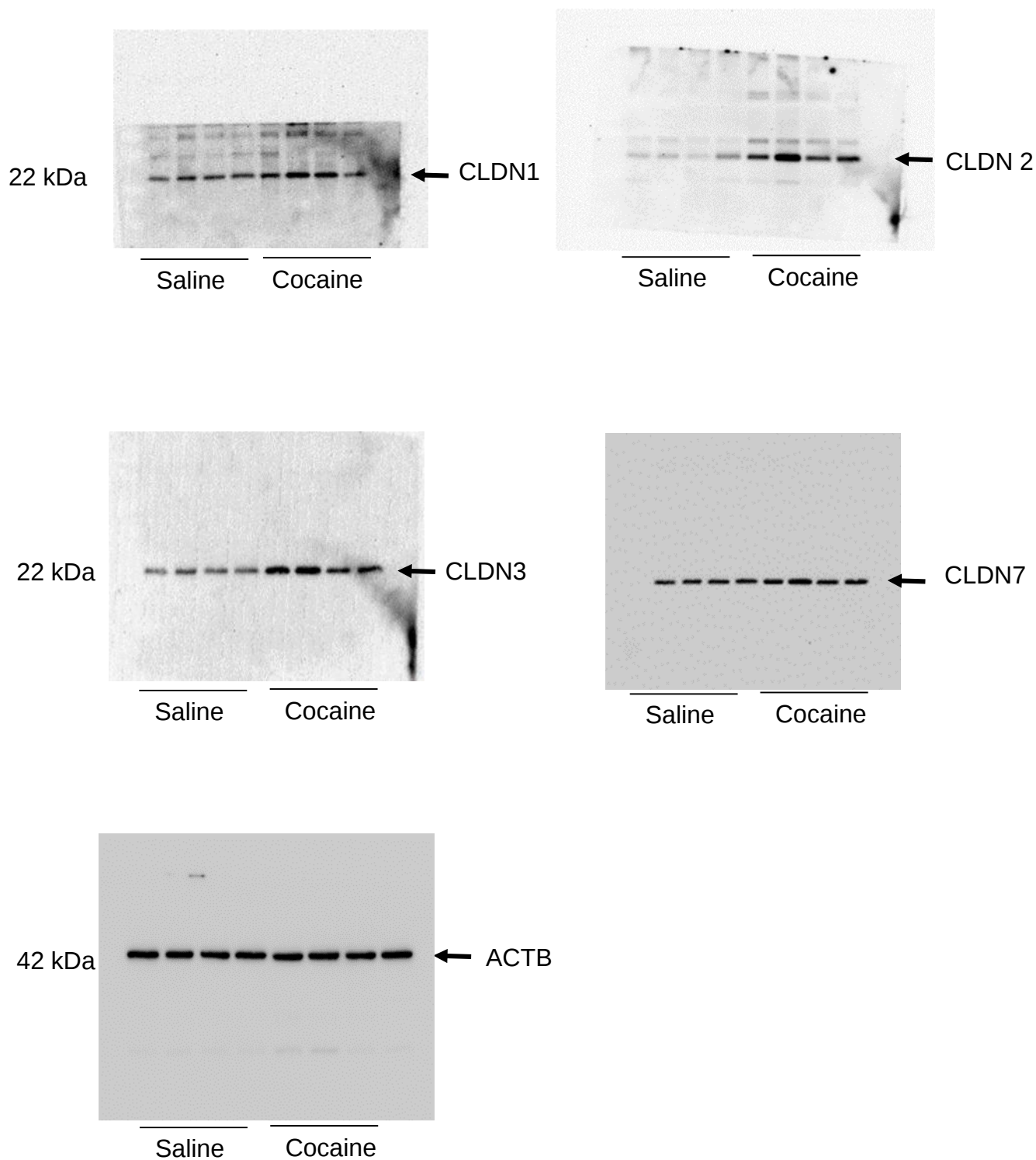
Supplemental Figure 3. Raw Western Blots for Figure 3



Supplemental Figure 4 . Raw Western Blots for Figure 4



Supplemental Figure 6. Raw Western Blots for Figure 6



Supplemental Figure 7. Raw Western Blots for Figure 7

