

Supplementary Information

A flavonoid-rich extract of bergamot juice improves high-fat diet-induced intestinal permeability and associated hepatic damage in mice

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Supplementary Table 1 Composition of control and high-fat diets

Supplementary Figure 1 Original Western blotting images presented in the study

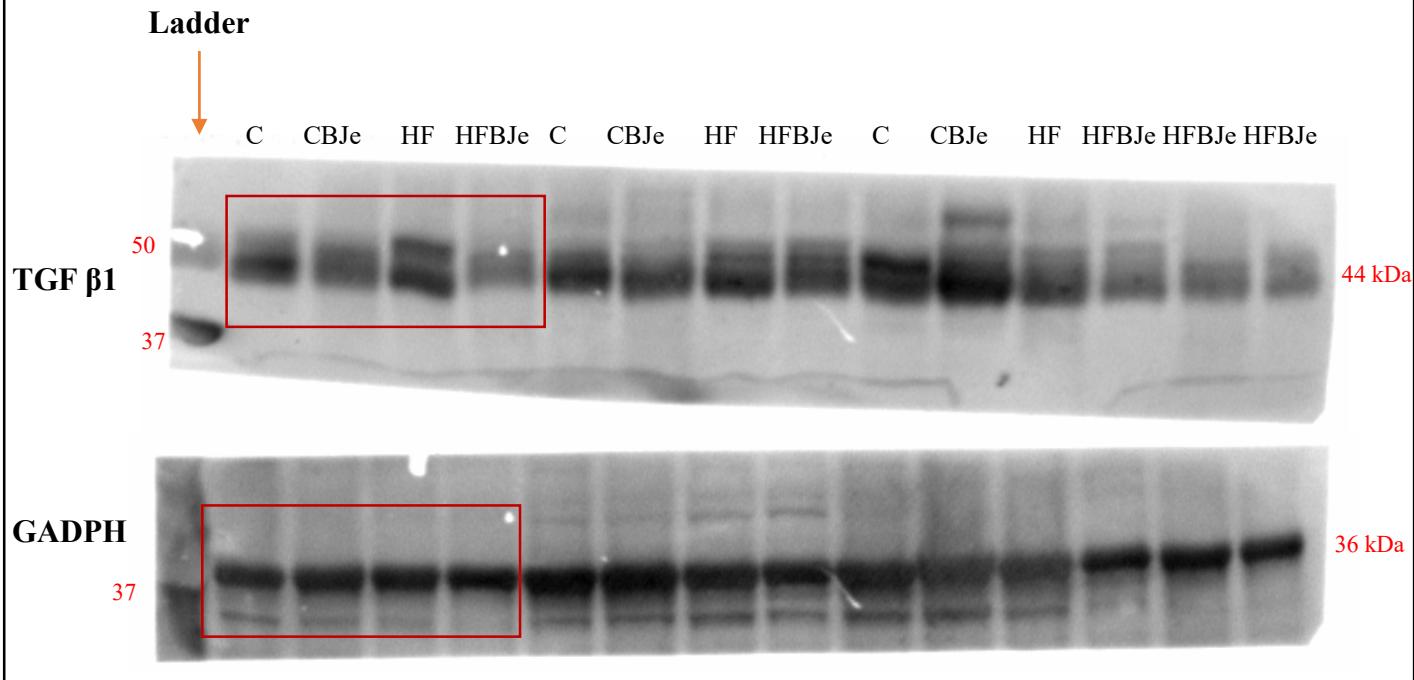
Supplementary Table 1. Composition of control diet and high-fat diet. The original recipe is from Envigo (Envigo, Indianapolis, IN). The product codes are TD.06414 (high-fat diet) and TD.06416 (control diet). The original documents containing nutrient information and ingredients are found in Envigo (<http://www.envigo.com>). All ingredients are purchased from Dyets, Inc. (Dyets, Inc., Bethlehem, PA).

	Control Diet (3.7kcal/g)	High-Fat Diet (5.1kcal/g)
Nutrient Information	% kcal from	% kcal from
Ingredient	g/kg	g/kg
Protein	20.1	18.4
Carbohydrate	69.8	21.3
Fat	10.2	60.3
Casein	210	265
L-Cystine	3	4
Corn Starch	280	
Dextrose	50	160
Sucrose	325	90
Lard	20	310
Soybean Oil	20	30
Cellulose	37.15	65.5
Mineral Mix	35	48
Calcium Phosphate, dibasic	2	3.4
Vitamin Mix	15	21
Choline Bitartrate	2.75	3
Yellow Food Color	0.1	
Pink Food Color		0.1

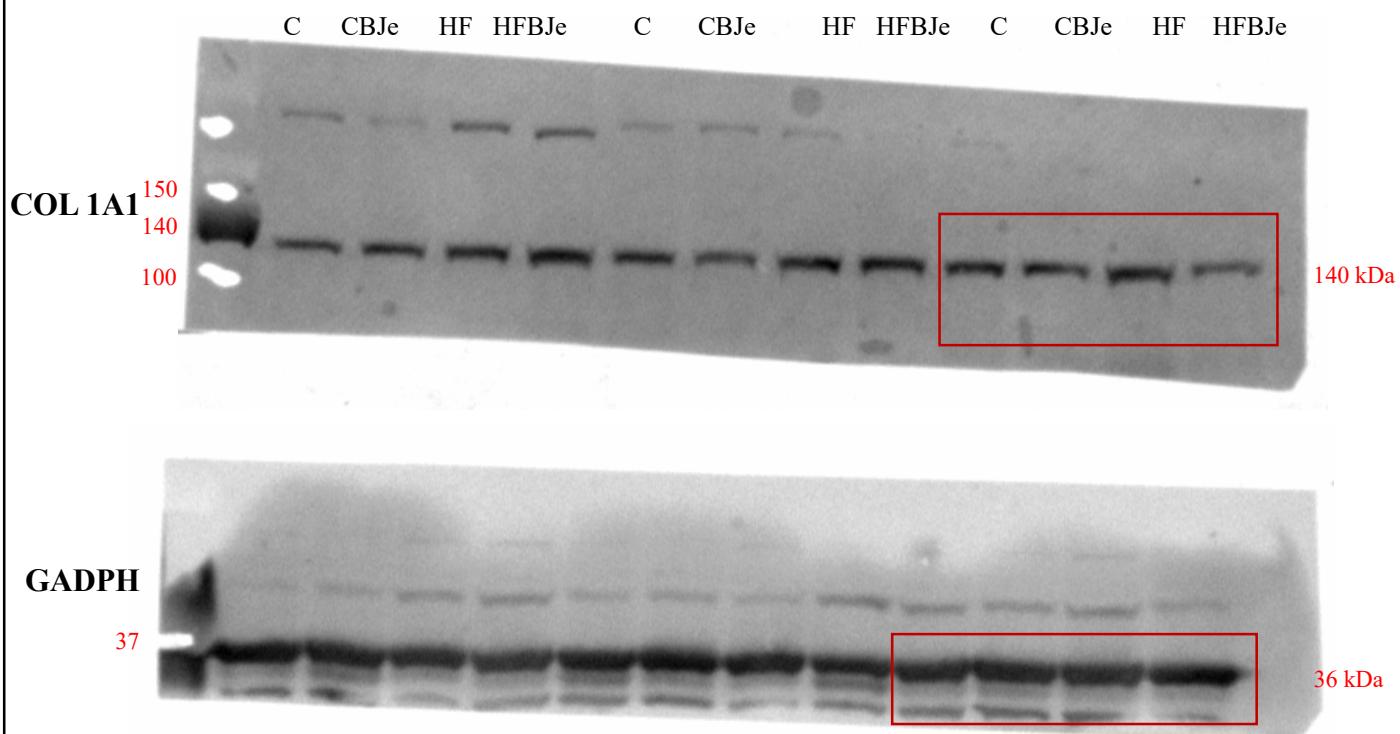
Supplementary Figure 1 Original Western blotting images presented in the study

Uncropped blots for Figure 2D

Hepatic TGF β 1 and corresponding loading control GADPH

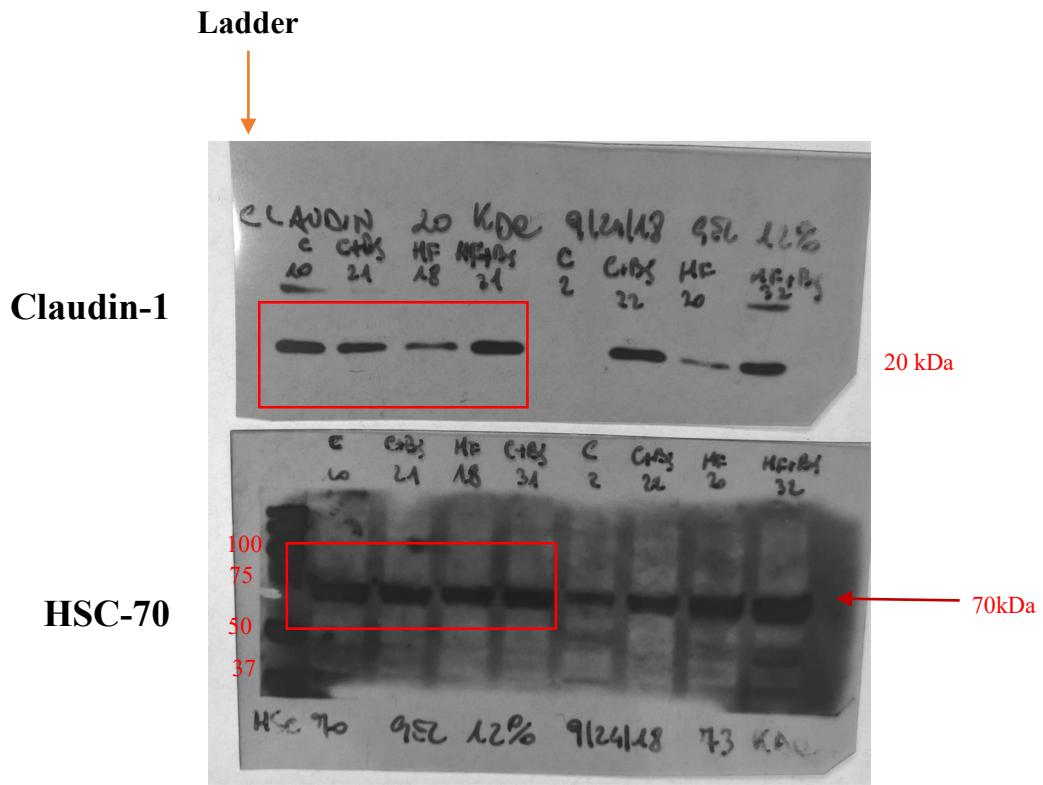


Liver COL 1A1 and corresponding loading control GADPH

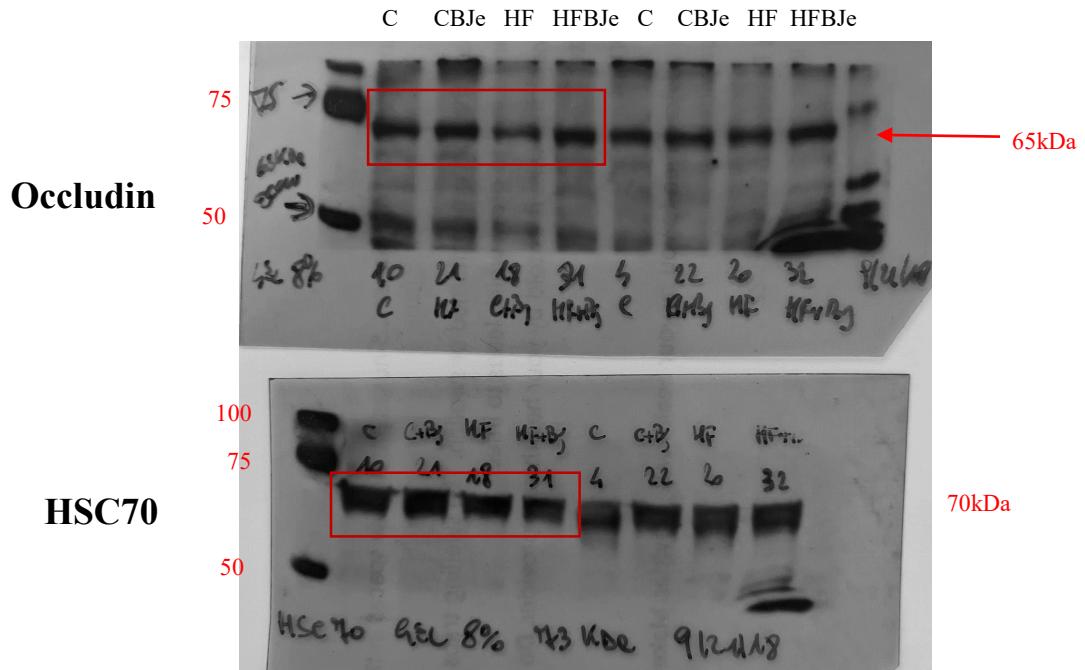


Uncropped blots for Figure 3C

Ileal Claudin-1 and corresponding loading control HSC-70

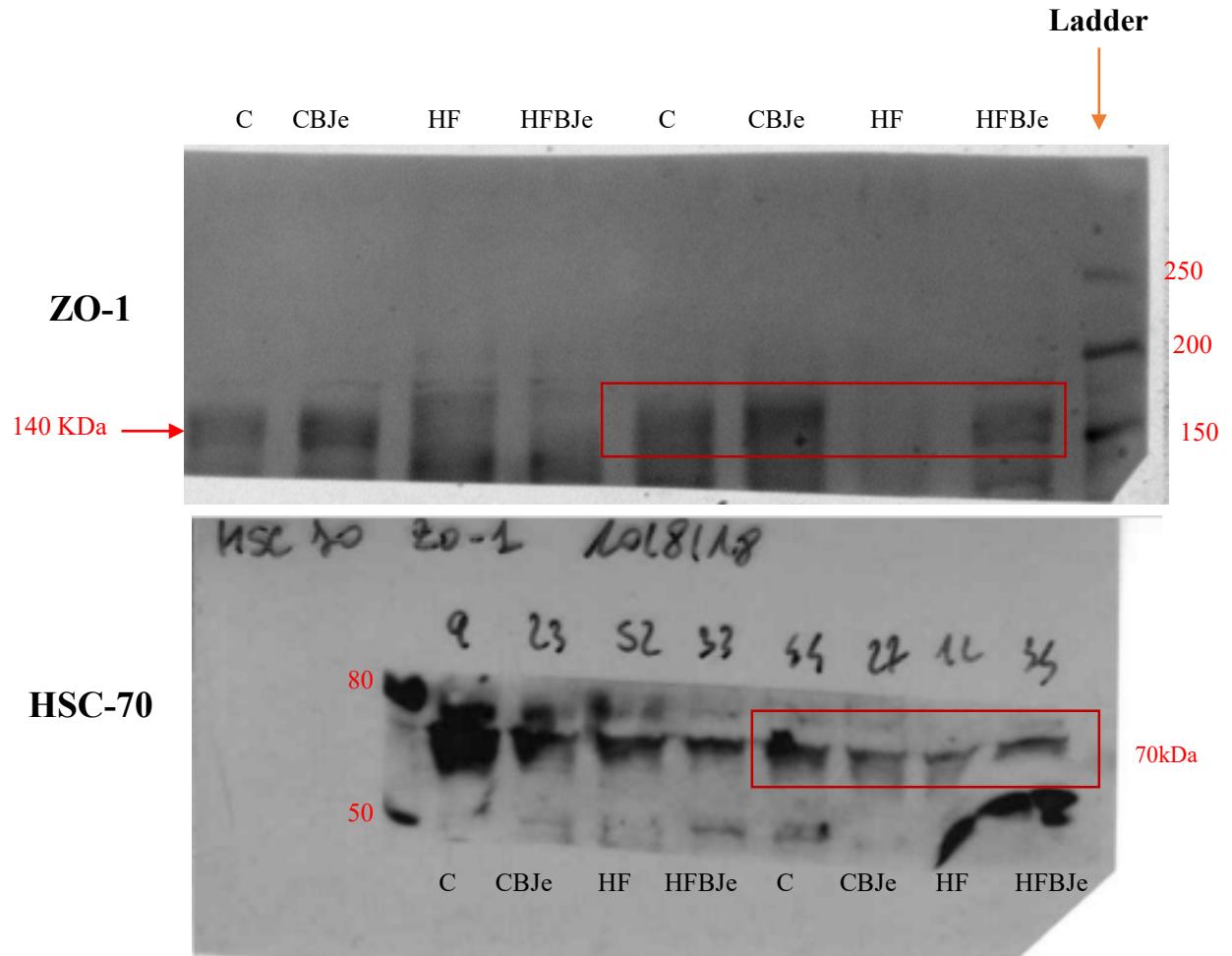


Ileal Occludin and corresponding loading control HSC-70



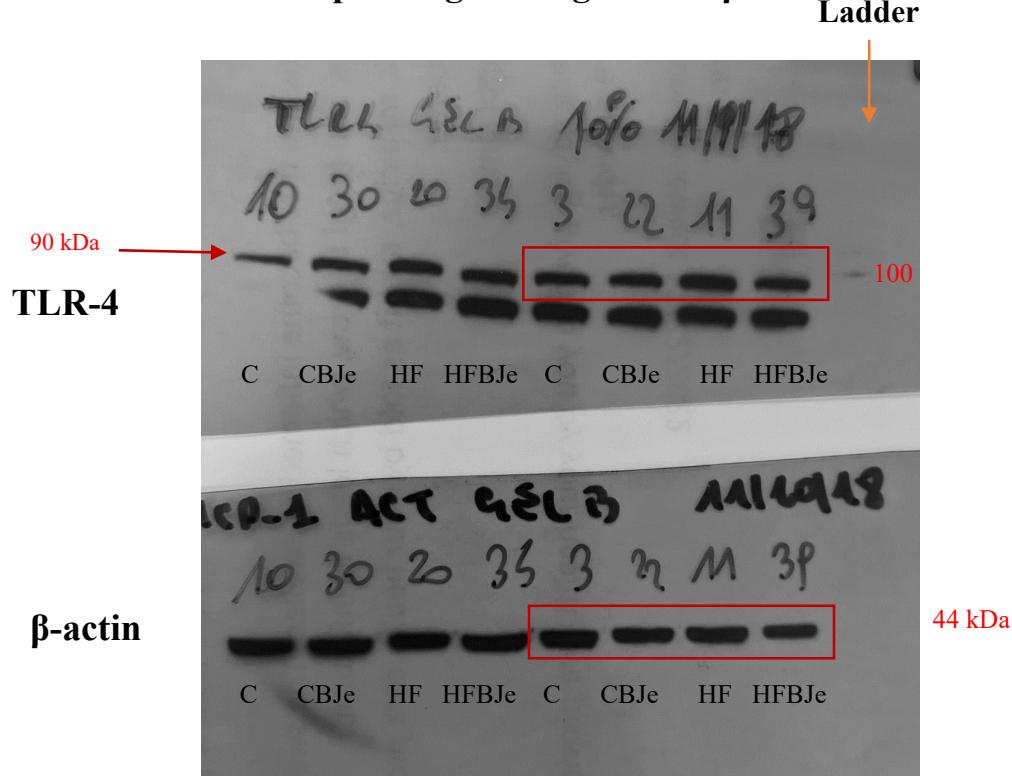
Uncropped blots for Figure 3C

Ileal ZO-1 and corresponding loading control HSC-70

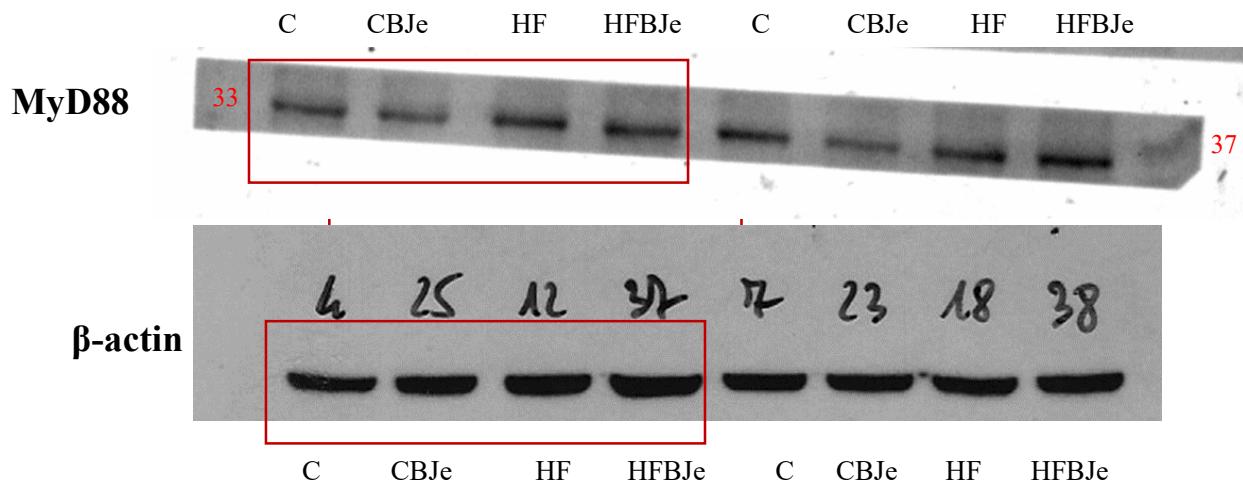


Uncropped blots for Figure 4 A,B

Hepatic TLR-4 and corresponding loading control β -actin

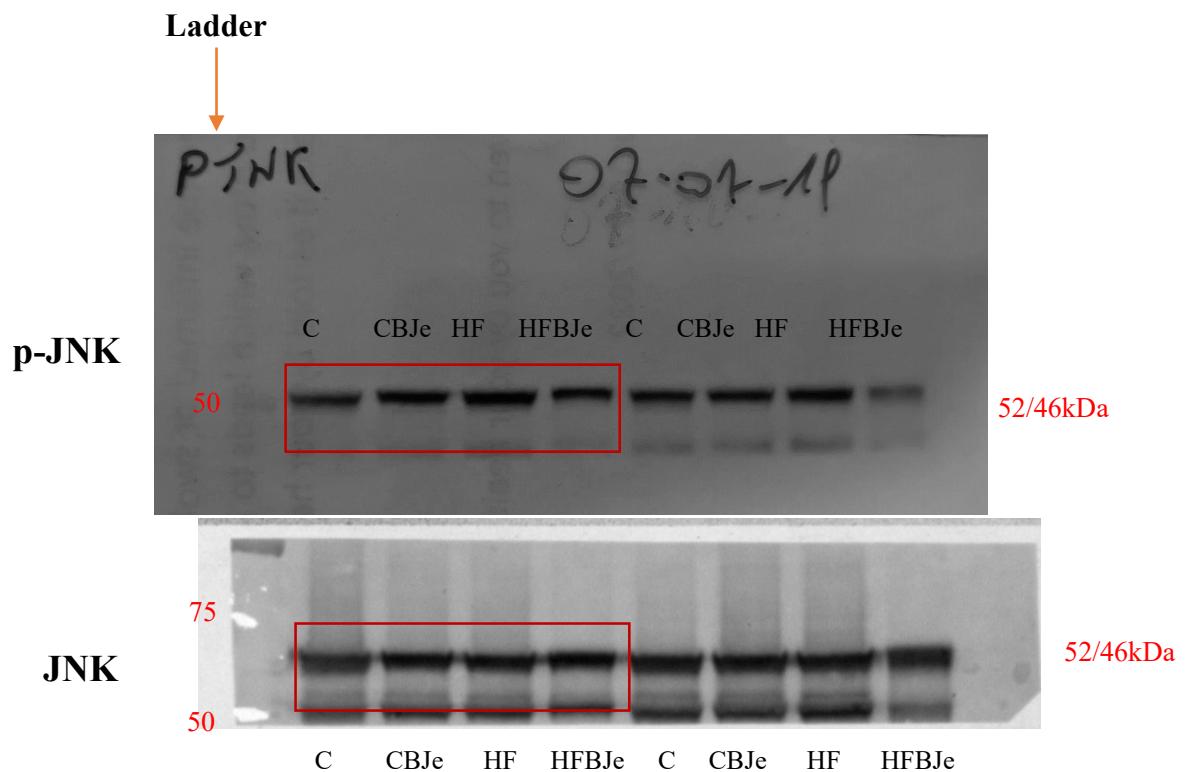


Hepatic MyD88 and corresponding loading control β -actin

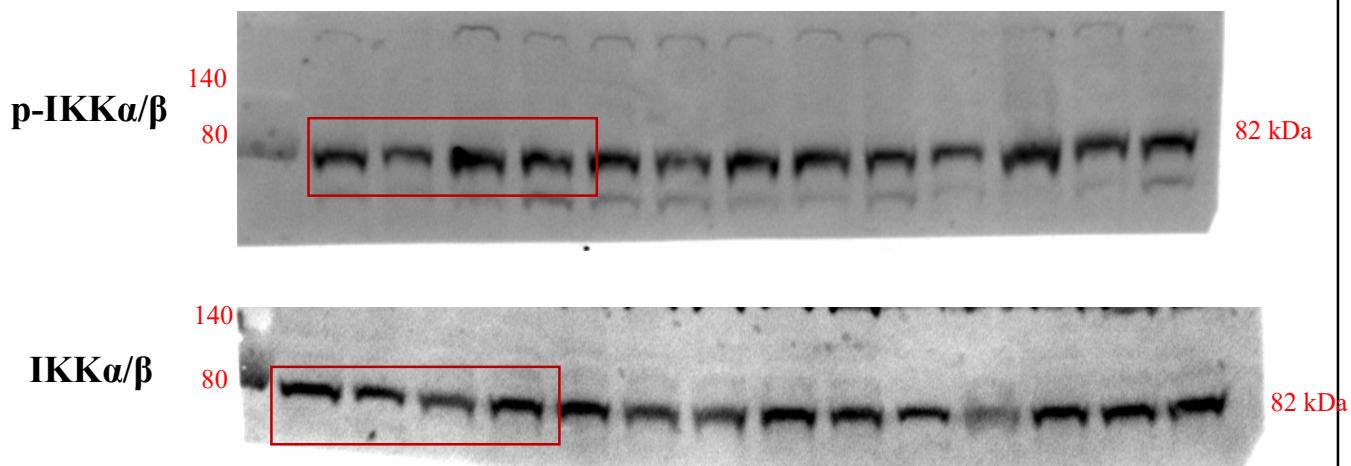


Uncropped blots for Figure 4 A,B

Hepatic p-JNK and corresponding total JNK

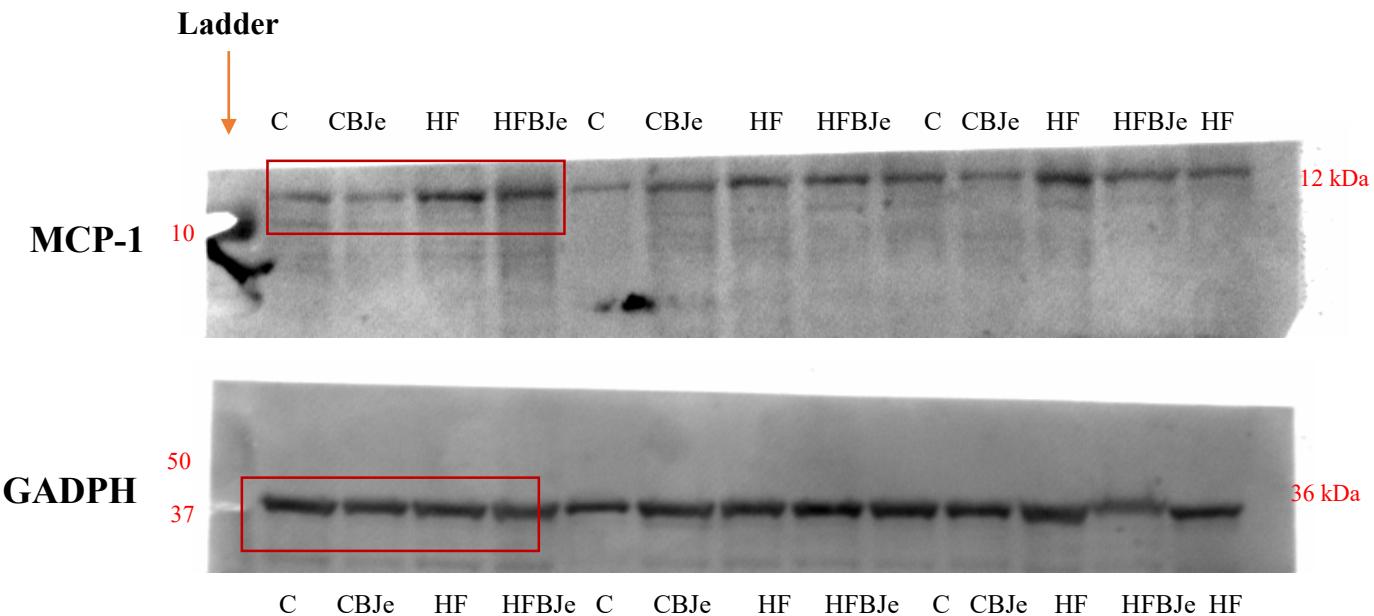


Hepatic p-IKK α/β and corresponding total IKK

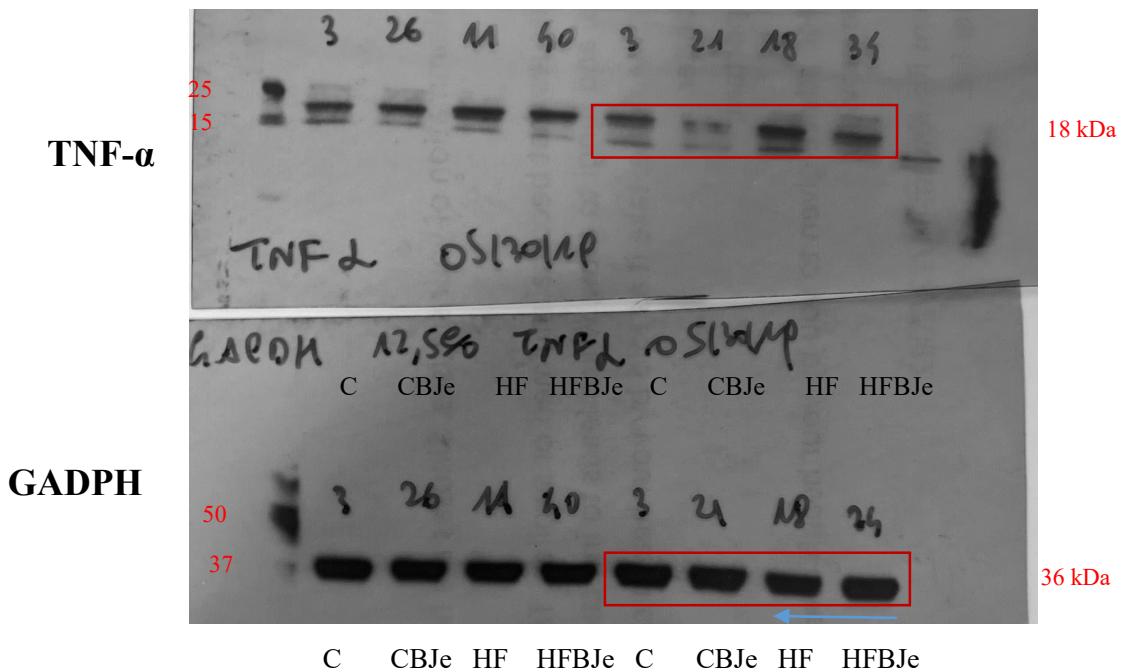


Uncropped blots for Figure 5

Hepatic MCP-1 and corresponding loading control GADPH

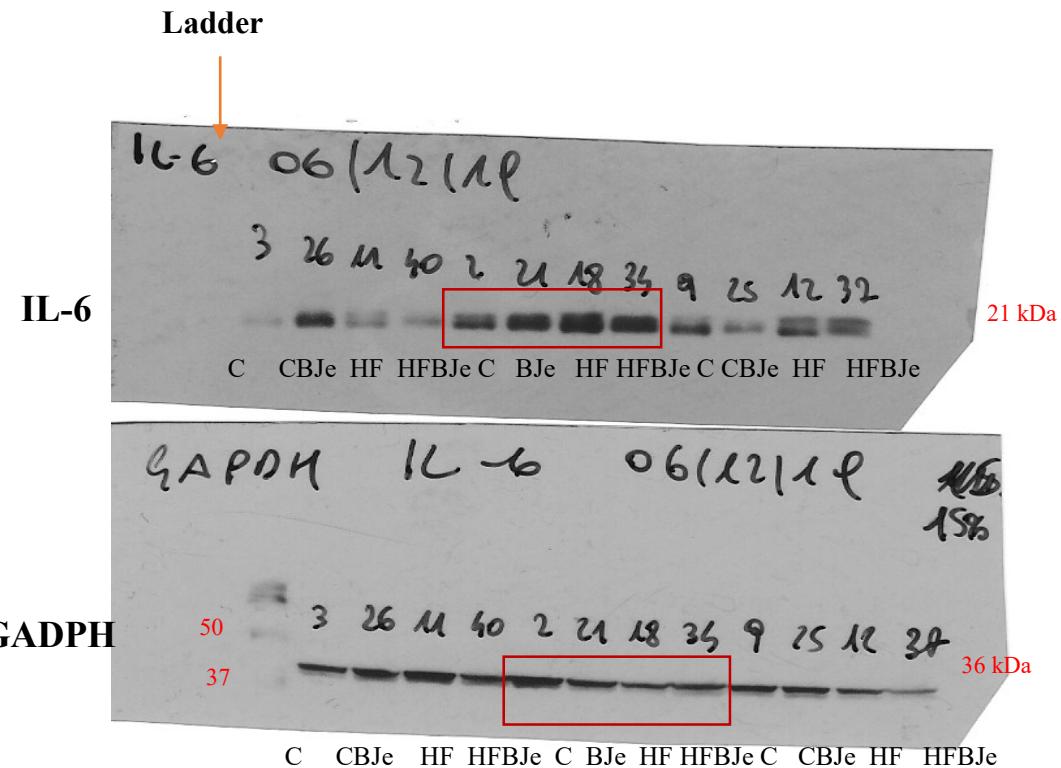


Hepatic TNF- α and corresponding loading control GADPH

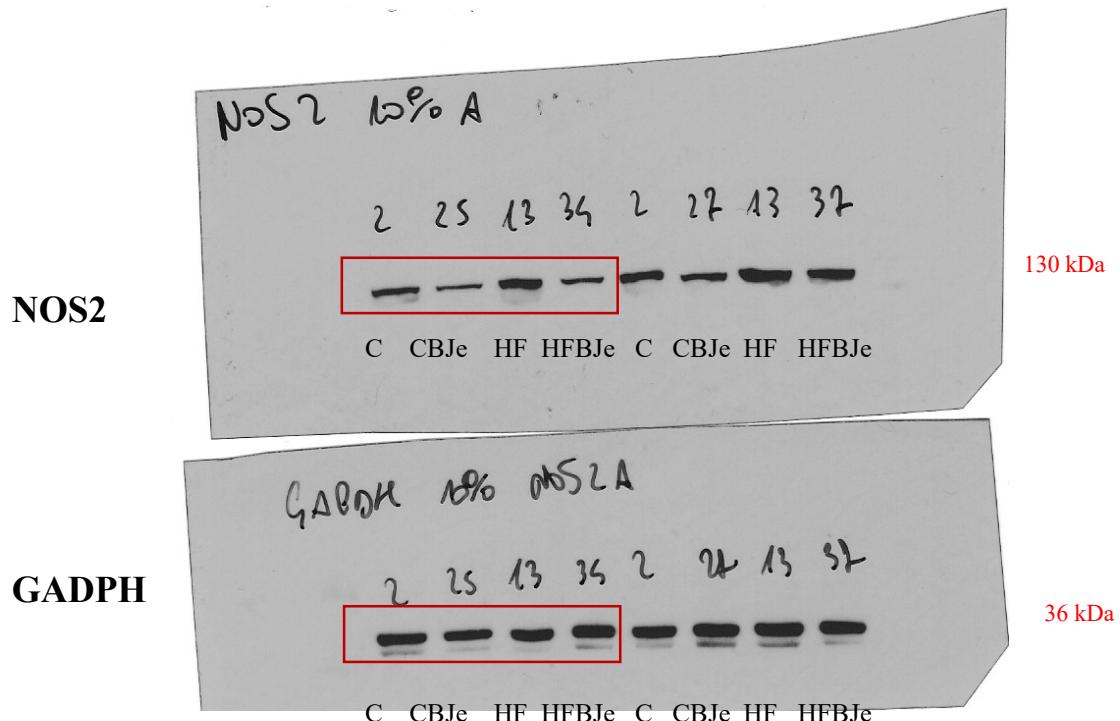


Uncropped blots for Figure 5

Hepatic IL-6 and corresponding loading control GADPH



Hepatic NOS2 and corresponding loading control GADPH



Uncropped blots for Figure 5

