Supporting Information

Plum-Derived Exosome-Like Nanovesicles Alleviate DSS-Induced Colitis through Gut and Liver Protection

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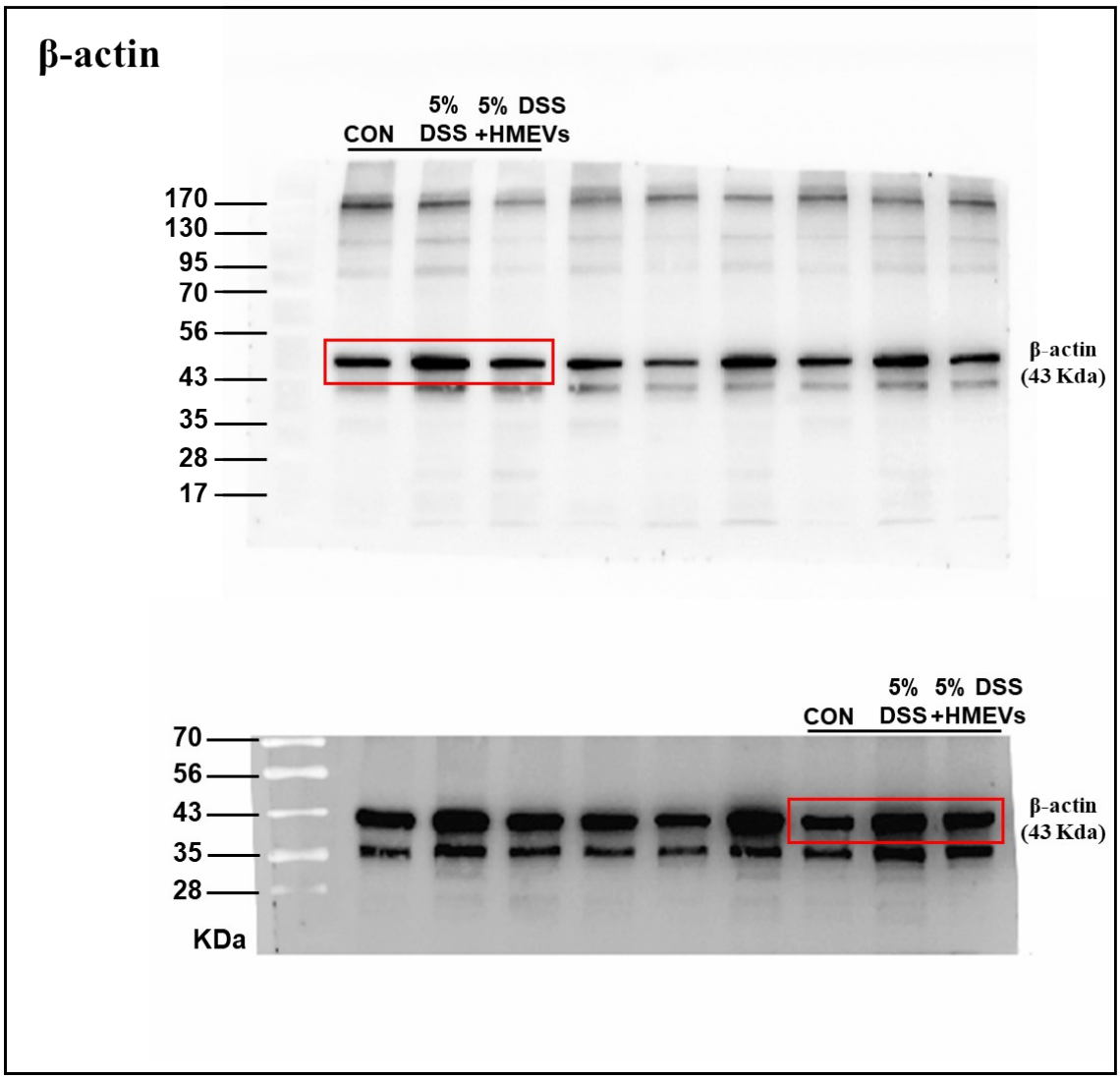
Table S1. The primary antibodies used in immunoblotting analyses.

	Antibody	Dilution Factor	Corporation	Clone
Primary antibody	**GAPDH** (sc-47724: 34 KDa)	1 : 1000	Santa Cruz	Mouse
	β-actin (sc-47778: 43KDa)	1 : 1000	Santa Cruz	Mouse
	ZO-1 (sc-33725: 220 KDa)	1 : 1000	Santa Cruz	Mouse
	Claudin4 (sc-376643: 25 KDa)	1 : 1000	Santa Cruz	Mouse
	Occludin (sc-271842: 60-82 KDa)	1 : 1000	Santa Cruz	Mouse
	E-cadherin (sc-8426: 43 KDa)	1 : 1000	Santa Cruz	Mouse
	γ-catenin (sc-59986: 80-87 KDa)	1 : 1000	Santa Cruz	Mouse
	α-tubulin (sc-5286: 55 KDa)	1 : 1000	Santa Cruz	Mouse
	Cyclin D1 (sc-20044: 37 KDa)	1 : 1000	Santa Cruz	Mouse
	eNOS (ab76198: 133 KDa)	1 : 3000	Abcam	Mouse
	iNOS (ab136918: 131 KDa)	1 : 3000	Abcam	Rabbit
	3-NT (ab61392: 38-52 KDa**)**	1 : 3000	Abcam	Mouse
	p-IκB (sc-840435 KDa)	1 : 1000	Santa Cruz	Mouse
	p-NFκB (sc-271908: 50 KDa)	1 : 1000	Santa Cruz	Mouse
	NFκB (sc-8414: 50 KDa)	1 : 1000	Santa Cruz	Mouse
	IκB (sc-1643: 35-41 KDa)	1 : 1000	Santa Cruz	Mouse

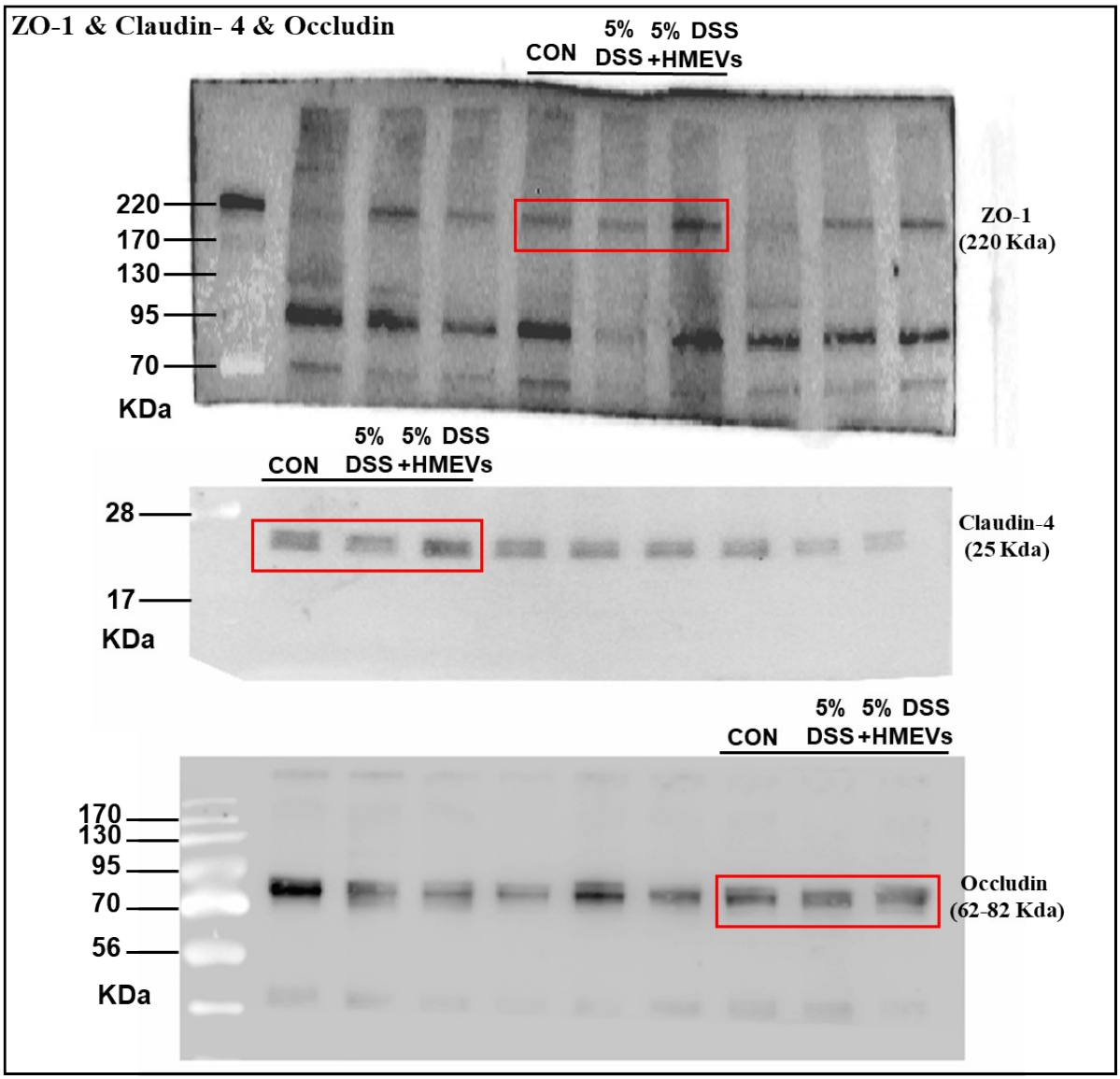
Figure S1. Representative full-length blots of Figure 5.

All images were captured under identical exposure conditions. Cropped regions used in the main text are indicated by boxes. Molecular weight markers are visible for each blot, and unprocessed TIFF files are available upon request.

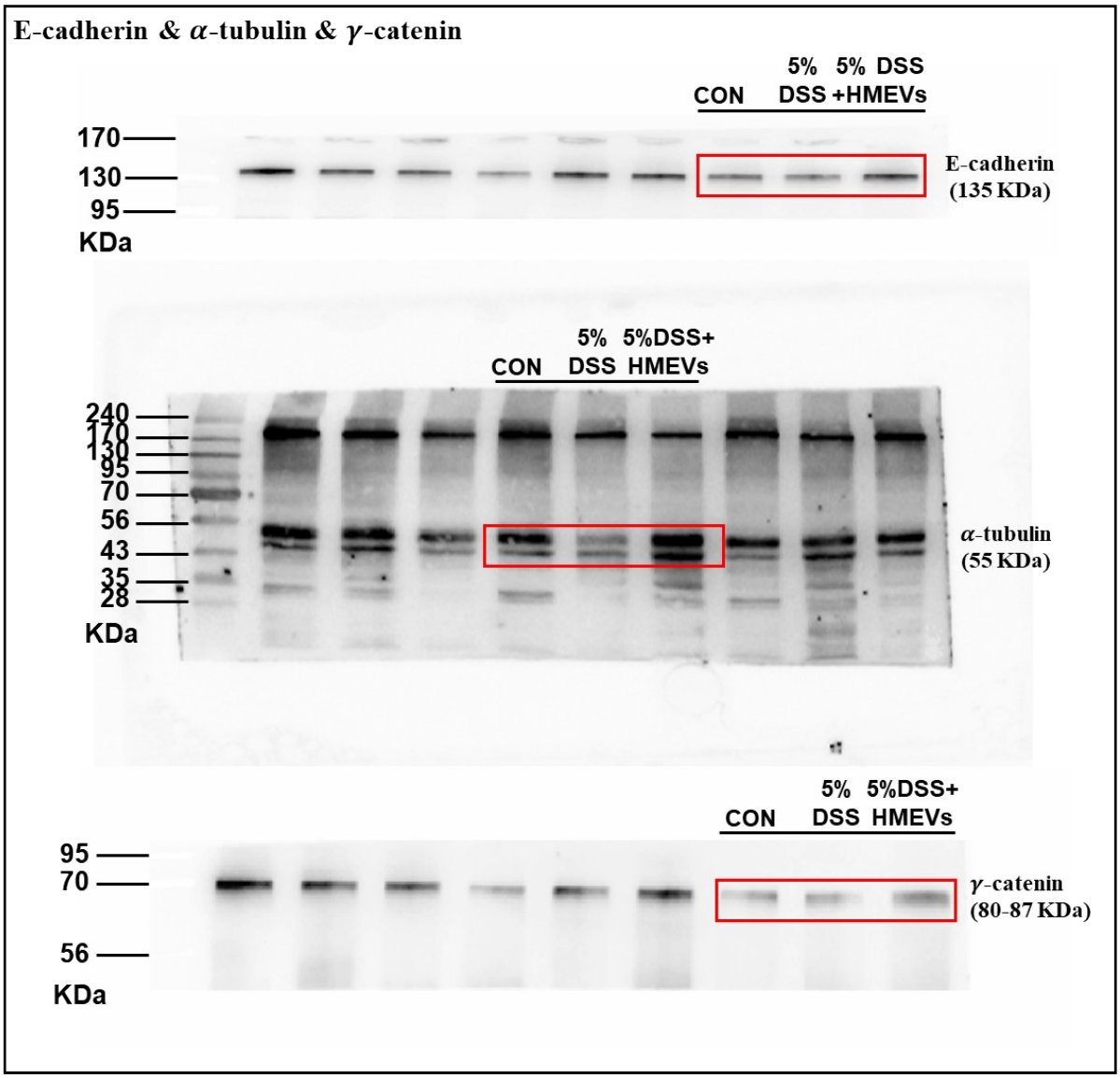
(A) β-actin



(B) TJ markers


ZO-1 & Claudin- 4 & Occludin
CON
5% DSS
5% DSS +HMEVs
220
170
130
95
70
KDa
ZO-1
(220 Kda)
CON
5% DSS
5% DSS +HMEVs
28
17
KDa
Claudin-4
(25 Kda)
CON
5% DSS
5% DSS +HMEVs
170
130
95
70
56
KDa
Occludin
(62-82 Kda)

(C) AJ markers


E-cadherin & α-tubulin & γ-catenin
CON
5% DSS
5% DSS +HMEVs
170
130
95
KDa
E-cadherin
(135 KDa)
CON
5% DSS
5%DSS+ HMEVs
240
170
130
95
70
56
43
35
28
KDa
α-tubulin
(55 KDa)
CON
5% DSS
5%DSS+ HMEVs
95
70
56
KDa
γ-catenin
(80-87 KDa)

(D) Inflammatory markers

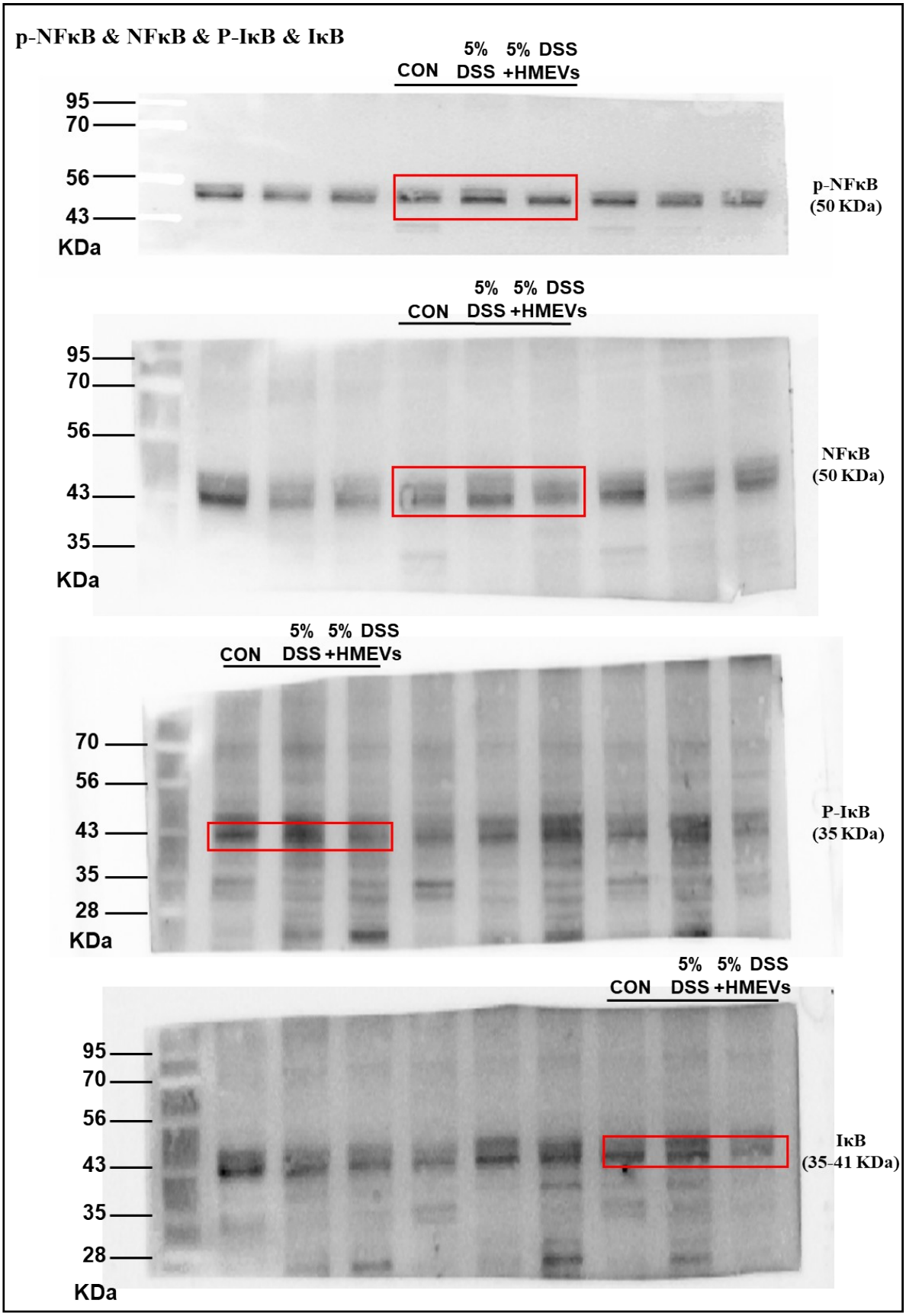
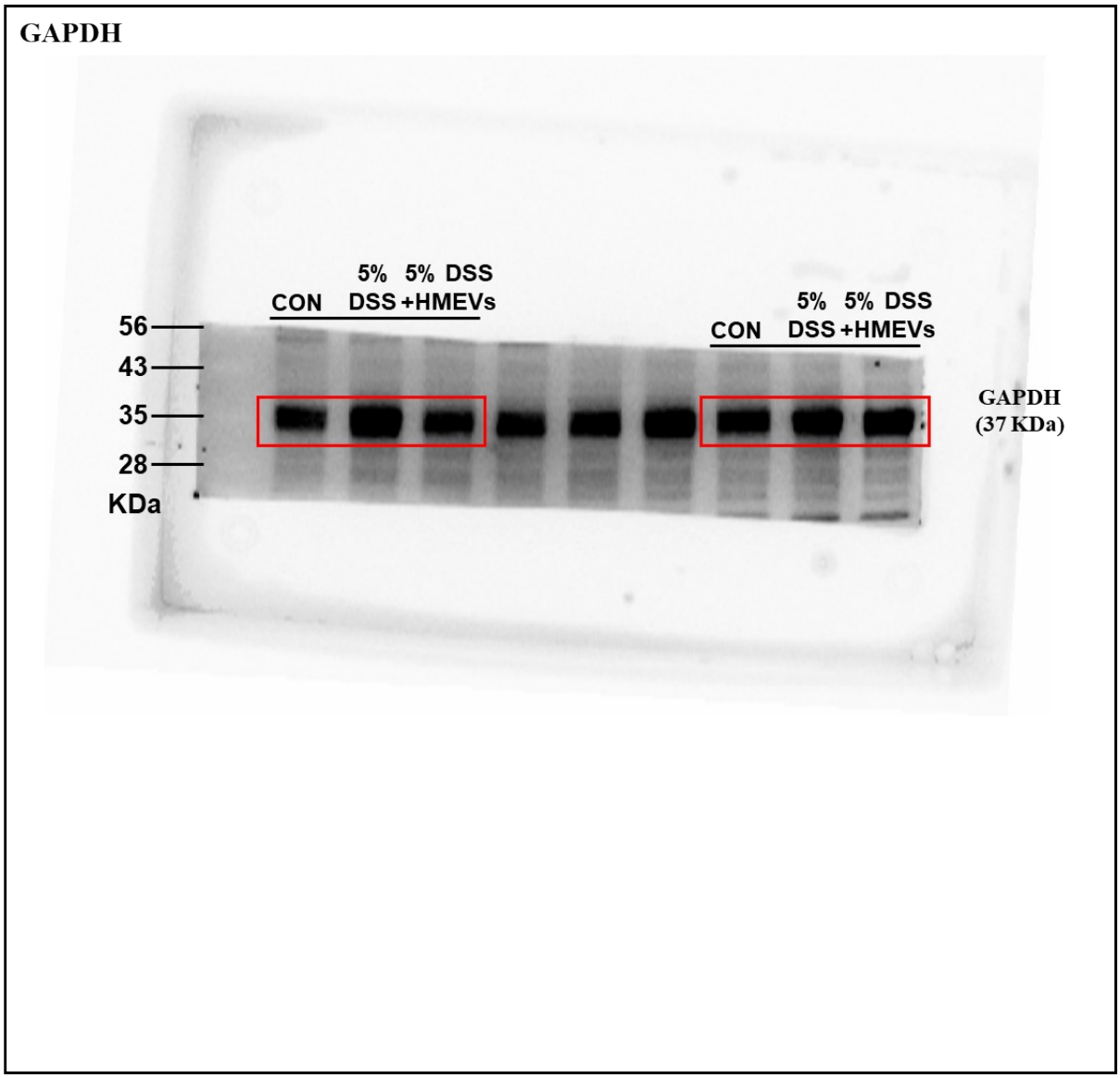

p-NFκB & NFκB & P-IκB & IκB
CON
5% DSS
5% DSS +HMEVs
95
70
56
43
35
28
KDa
p-NFκB (50 KDa)
NFκB (50 KDa)
P-IκB (35 KDa)
IκB (35-41 KDa)

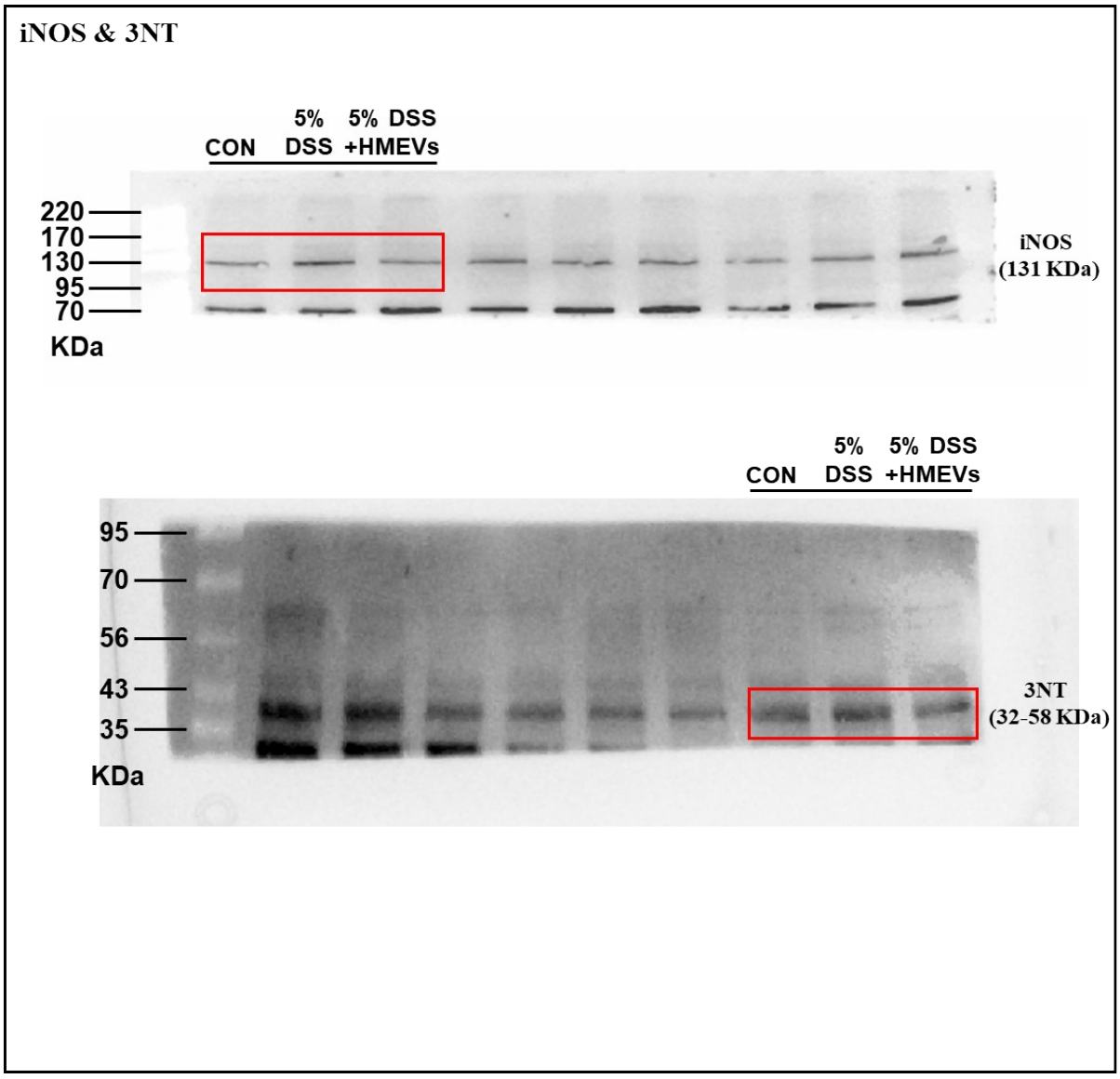
Figure S2. Representative full-length blots of Figure 7.

All images were captured under identical exposure conditions. Cropped regions used in the main text are indicated by boxes. Molecular weight markers are visible for each blot, and unprocessed TIFF files are available upon request.

(A) GAPDH



(B) Oxidative stress markers



(C) Regeneration markers