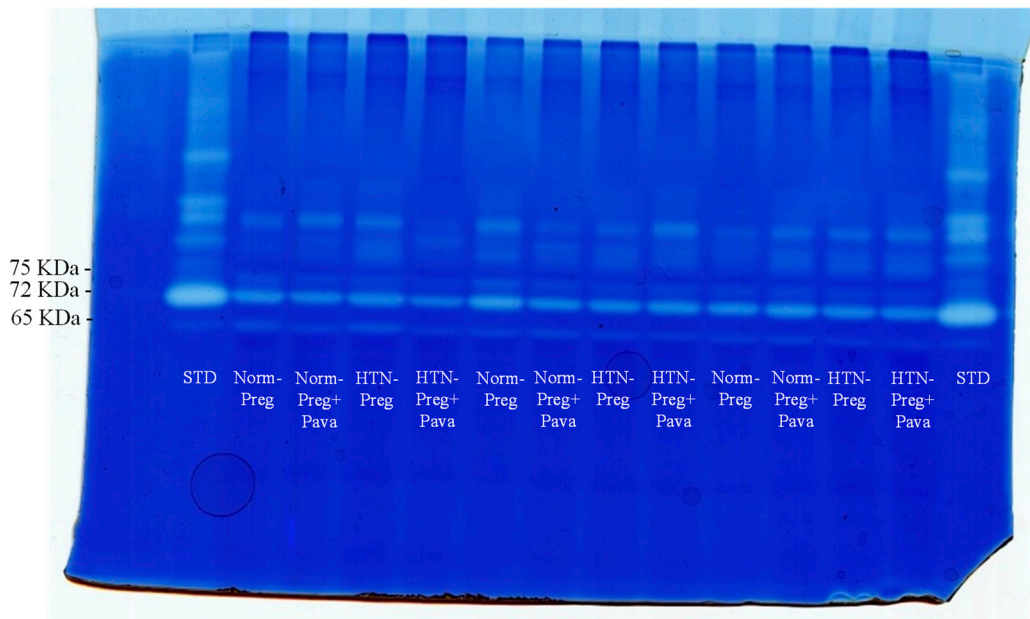**Supplementary Table S1**. Average of maternal, fetal placental and biochemical parameters.
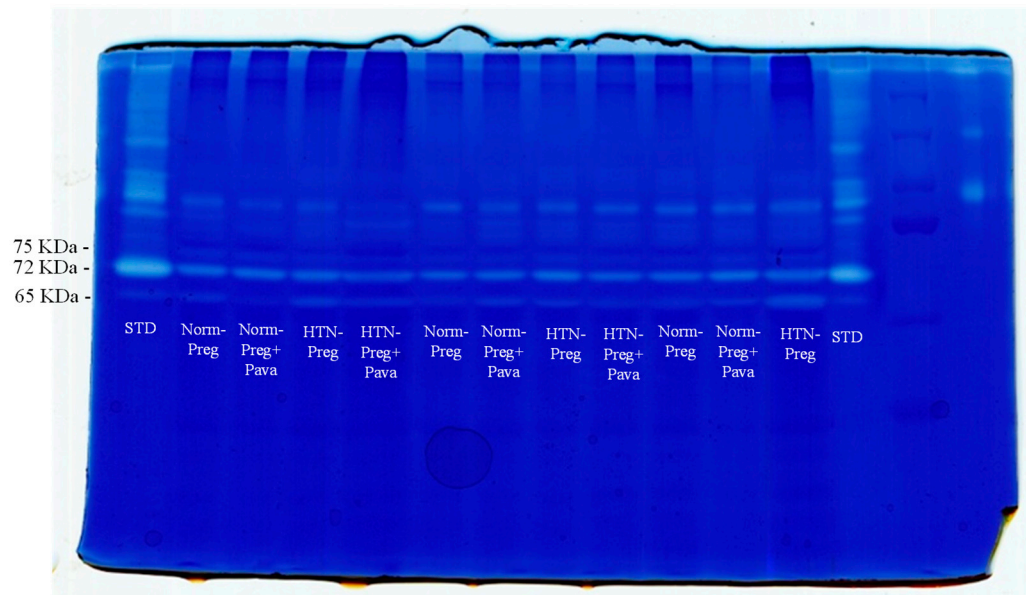
Parameter	Norm-Preg	Norm-Preg+ Prava	HTN-Preg	HTN-Preg+ Prava
Systolic blood pressure (mmHg)	110 ± 2	109 ± 1	$129 \pm 2^*$	102 ± 1
Litter size (Number of pups)	9 ± 1	9 ± 2	11 ± 2	10 ± 1
Placental weight (g)	0.28 ± 0.01	0.29 ± 0.01	$0.22 \pm 0.01^*$	0.28 ± 0.01
Plasma levels of NO metabolites (mmol/L)	0.30 ± 0.03	0.31 ± 0.02	$0.22 \pm 0.01^*$	0.29 ± 0.02
Lipid peroxide levels (mmol/L)	0.11 ± 0.007	0.12 ± 0.005	$0.17 \pm 0.012^*$	0.13 ± 0.003
Antioxidant capacity (mmol Trolox Equiv./L)	0.17 ± 0.011	0.19 ± 0.019	$0.07 \pm 0.011^*$	0.19 ± 0.17
Activity of 75 KDa MMP-2 (arbitrary units)	0.049 ± 0.008	0.050 ± 0.006	0.046 ± 0.007	0.045 ± 0.007
Activity of 72 KDa MMP-2 (arbitrary units)	0.295 ± 0.025	0.0237 ± 0.019	0.247 ± 0.011	0.253 ± 0.019
Activity of 65 KDa MMP-2 (arbitrary units)	0.073 ± 0.011	0.073 ± 0.006	$0.100 \pm 0.009^*$	0.068 ± 0.006
ACh R_{max} (%)	80.2 ± 5.4	85.1 ± 4.1	77.9 ± 6.8	85.5 ± 7.2
ACh pEC_{50} (-log M)	6.80 ± 0.12	$7.69 \pm 0.17^\#$	6.83 ± 0.30	$7.97 \pm 0.14^\#$

Data are expressed as means ± SEM in Norm-Preg (n = 8), Norm-Preg+Prava (n = 8), HTN-Preg (n = 8) and HTN-Preg+Prava (n= 8) groups. *P < 0.05 vs Norm-Preg group, and #P < 0.05 vs. Norm-Preg and HTN-Preg groups.

Zymography gel 1 of placenta

Zymography gel 2 of placenta

Supplementary Figure S1. Acrylamide gels (1 and 2) stained with Coomassie Brilliant Blue to quantify gelatinolytic activities of 75 KDa MMP-2, 72 KDa MMP-2 and 65 KDa MMP-2 in placenta samples from Norm-Preg, Norm-Preg+Prava, HTN-Preg and HTN-Preg+Prava groups. STD: internal standard.