Supplementary Information for

ER stress upregulated PGE_2/IFNγ-induced IL-6 expression and down-regulated iNOS expression in glial cells

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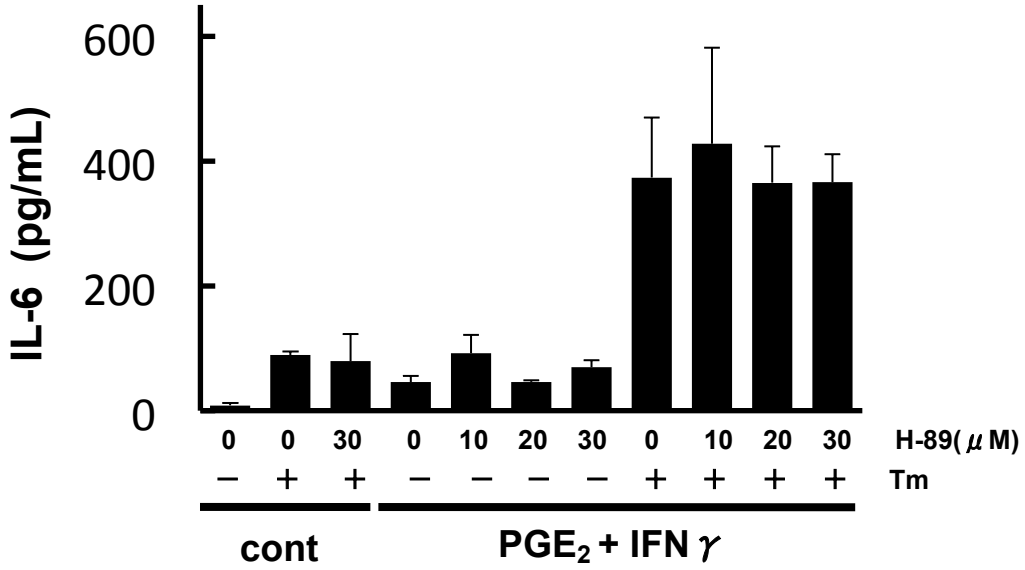
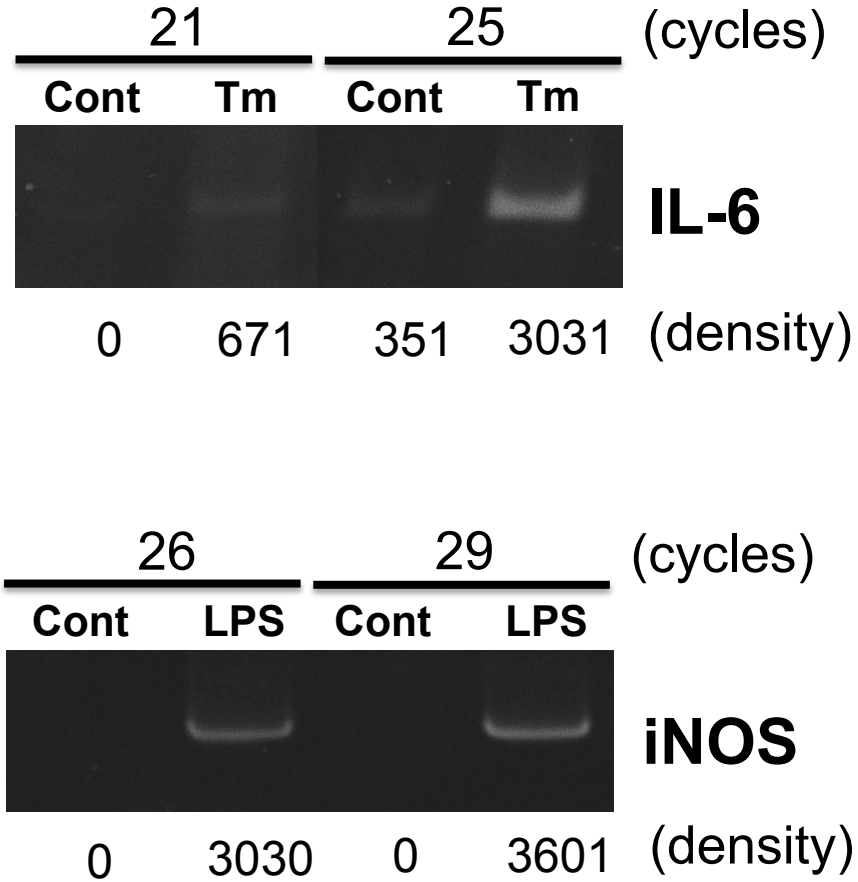
Supplementary Information includes:
Supplementary Figures S1 to S6

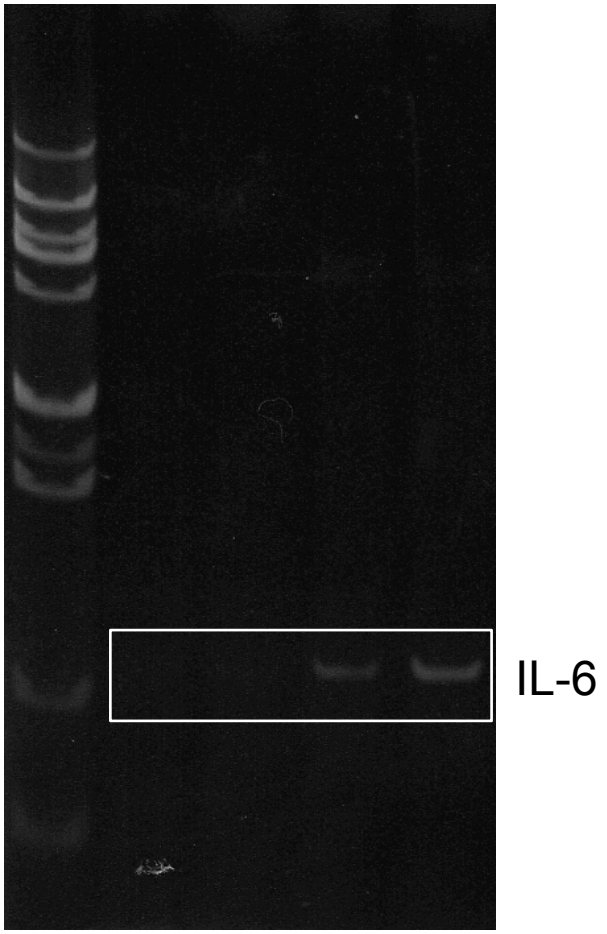


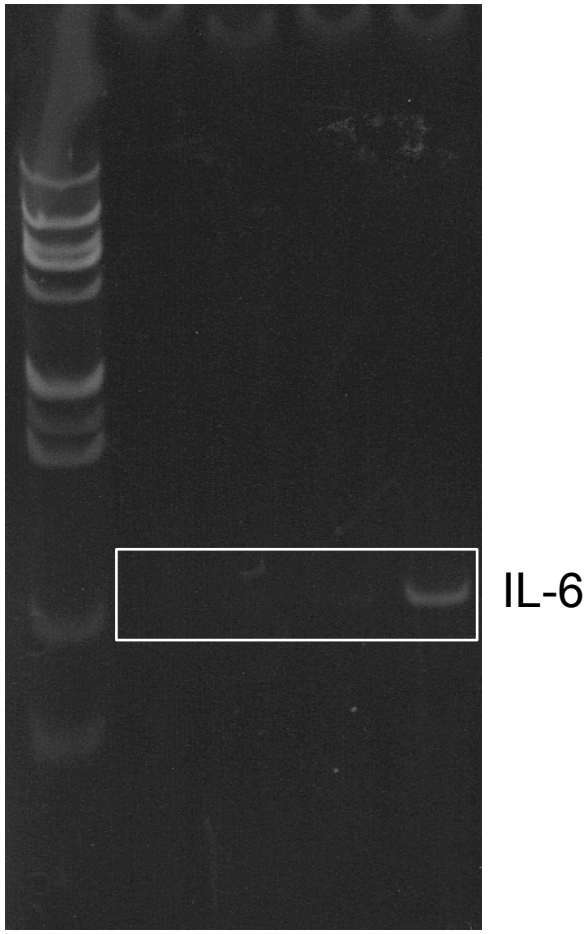
Supplementary Figure S1. Effect of a PKA inhibitor on PGE_2+IFNγ-induced IL-6 release.

Mouse primary cultured glial cells were pre-treated with H-89 (10,20,30 μM) for 0.5 h, were then treated with tunicamycin (Tm: 1 μg/mL) for 1 h, and were finally stimulated with prostaglandin E_2 (PGE_2 : 15 μM) + interferon γ (IFNγ: 20 ng/mL) for 24 h. IL-6 protein levels were detected by ELISA. H-89 did not inhibit PGE_2 + IFNγ or PGE_2 + IFNγ + Tm-induced IL-6 release. n=5～6.

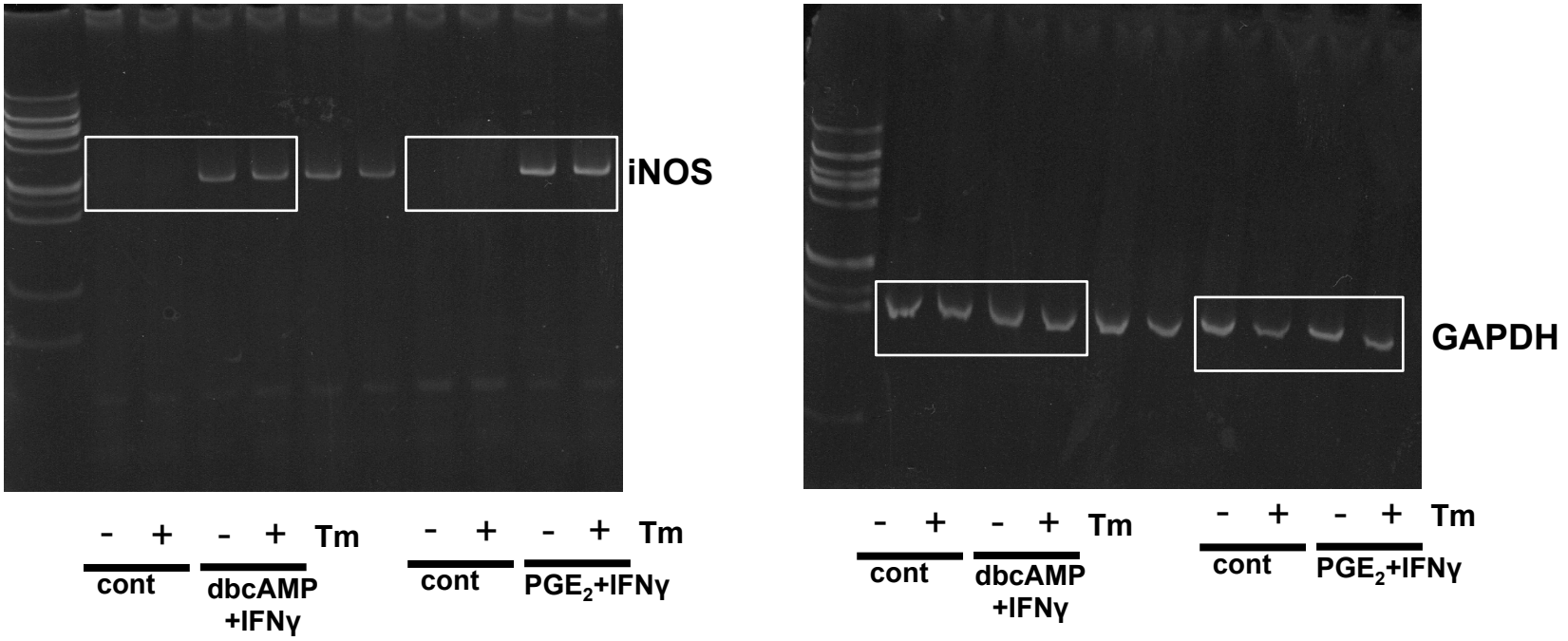


Supplementary Figure S2. PCR cycle analysis of IL-6 and iNOS mRNA levels in mouse primary cultured glial cells. IL-6 levels were measured with or without tunicamycin (Tm) for 5 h. iNOS levels were measured with or without LPS for 4 h. mRNA levels increased depending on the cycles and stimulations. The density of each band was measured using Image J 1.37v.

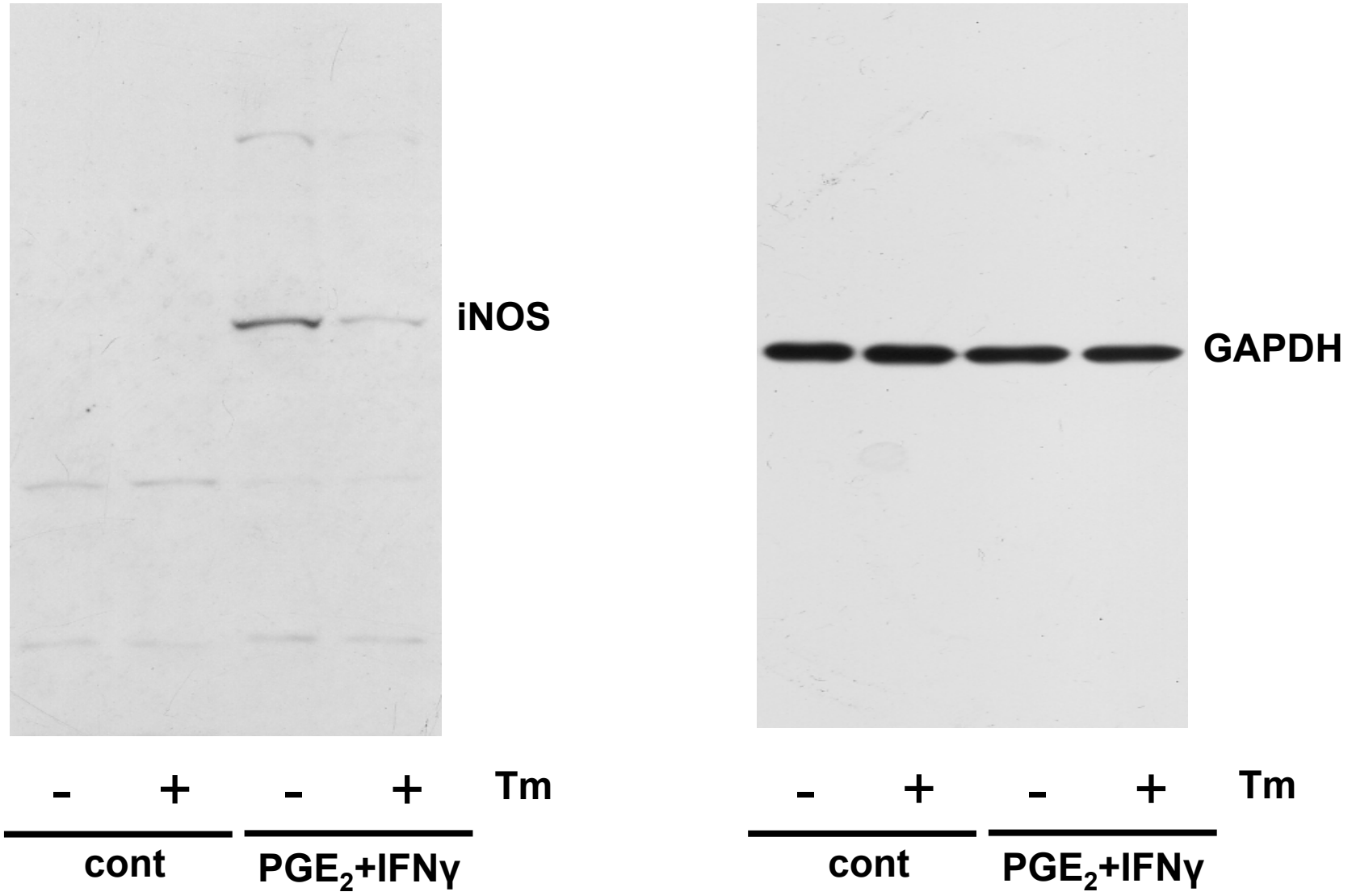




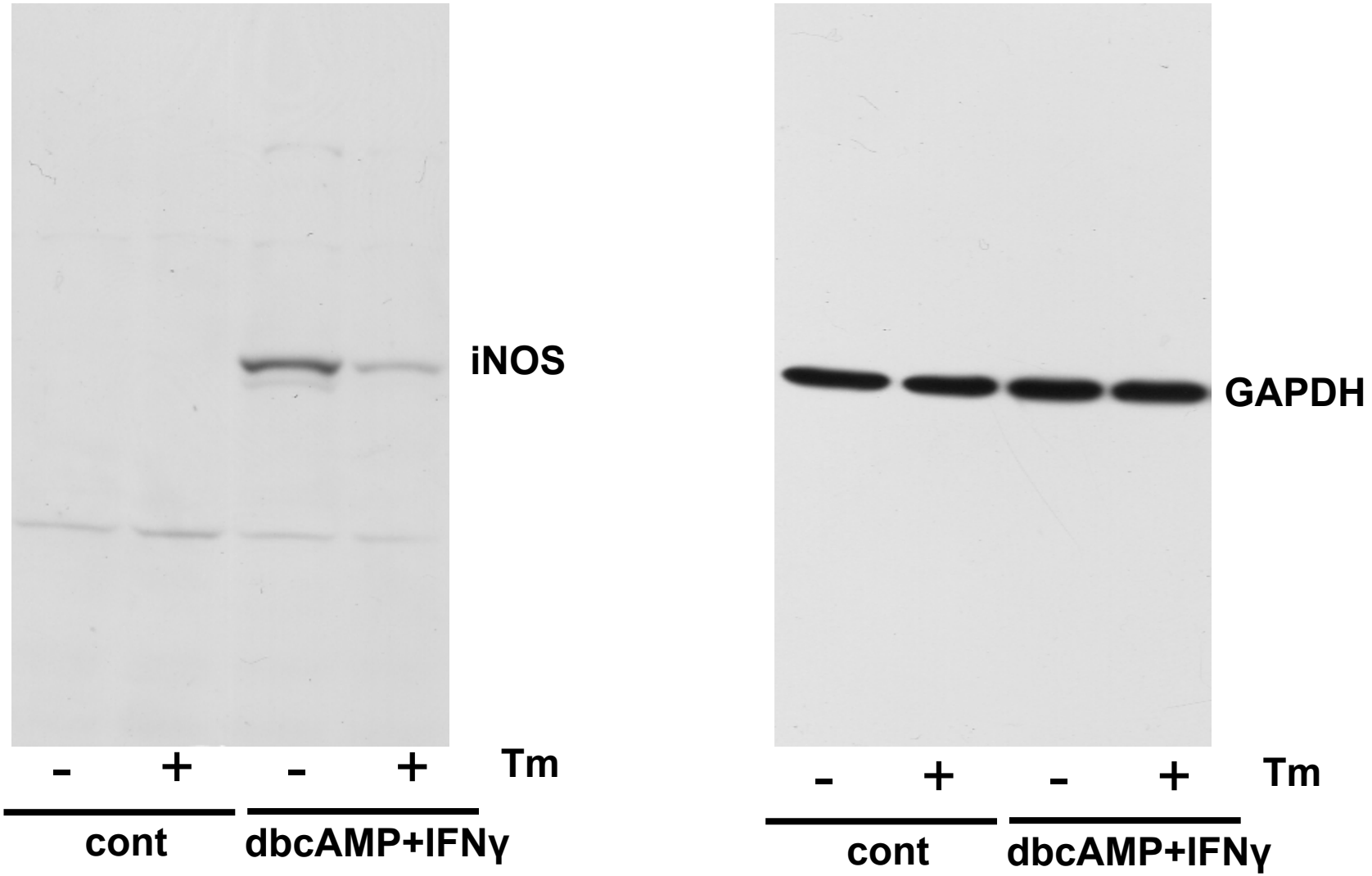
Supplementary Figure S3 Full-length unedited blots for Figure 2B and 3D.



Supplementary Figure S4 Full-length unedited blots for Figure 4B and 5B.



Supplementary Figure S5
Full-length unedited blots for Figure 4. Typical Western blotting data of 6 independent experiments was shown.



Supplementary Figure S6
Full-length unedited blots for Figure 5. Typical Western blotting data of 8 independent experiments was shown.