

**Mechanistic study of attenuation of monosodium glutamate mixed high lipid diet induced systemic damage in rats by *Coccinia grandis***

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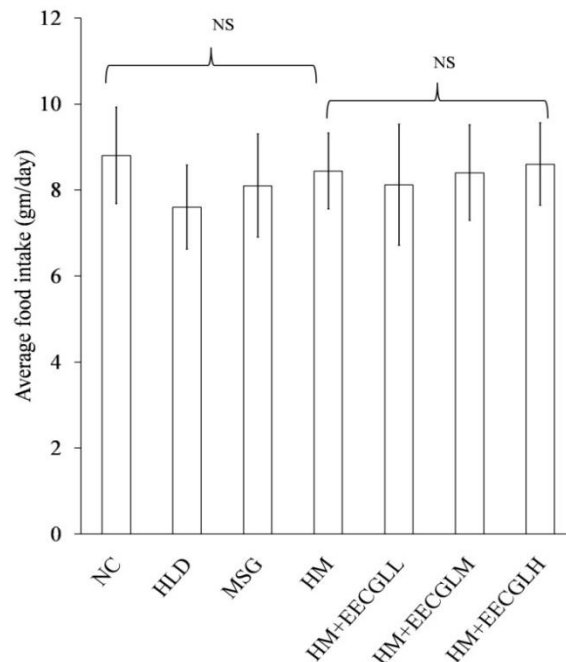
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Designation: Associate Professor

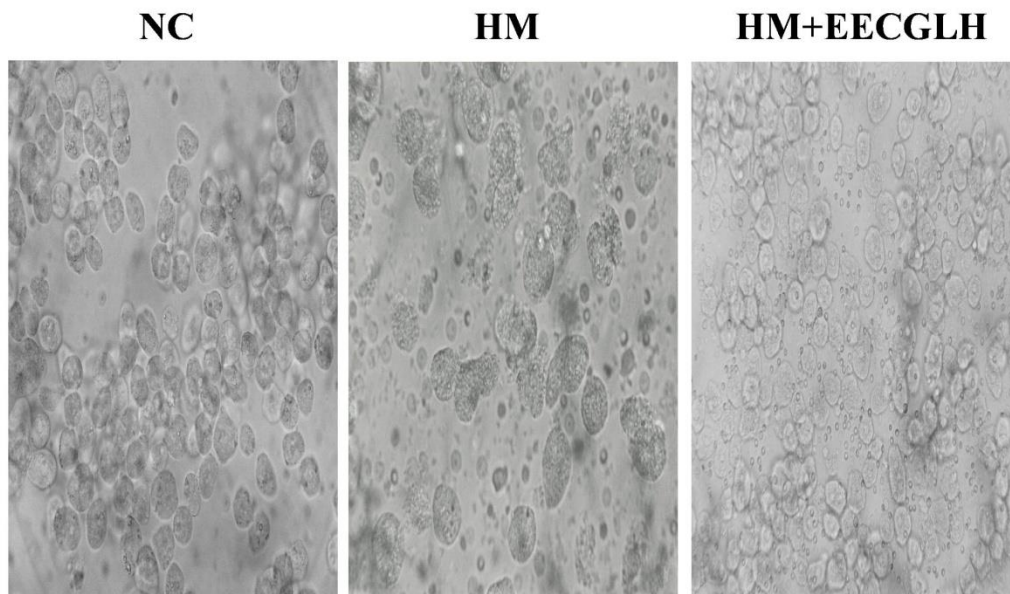
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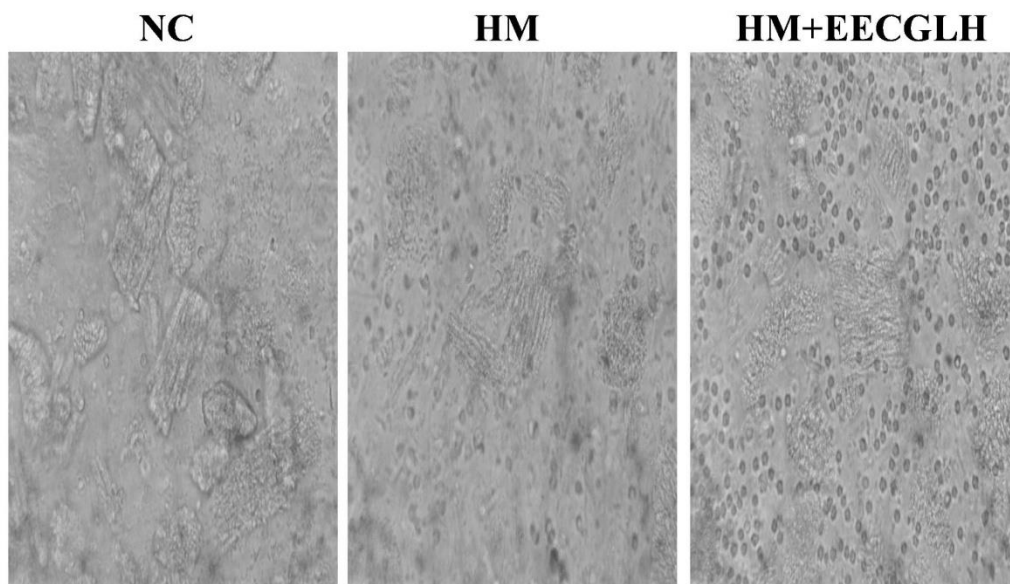


**Supplemental Fig. S1:** Average food intake among different groups of animals including NC, HLD, MSG, HM and EECGLs. Statistical comparison by Kruskal-Wallis nonparametric ANOVA test [not significant: NS]. Significance level based on Mann-Whitney U multiple comparison test: NC vs. HLD/MSG/HM: NS; HM vs. HM+EECGLL/EECGLM/EECGLH: NS.

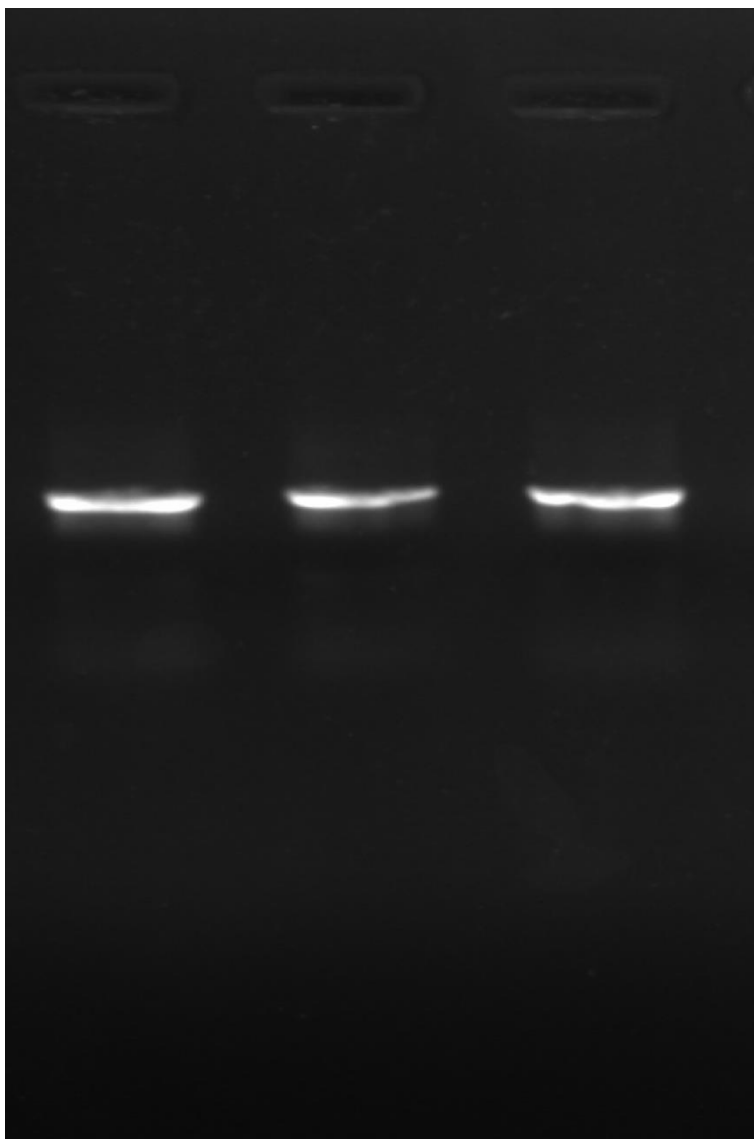
**A**



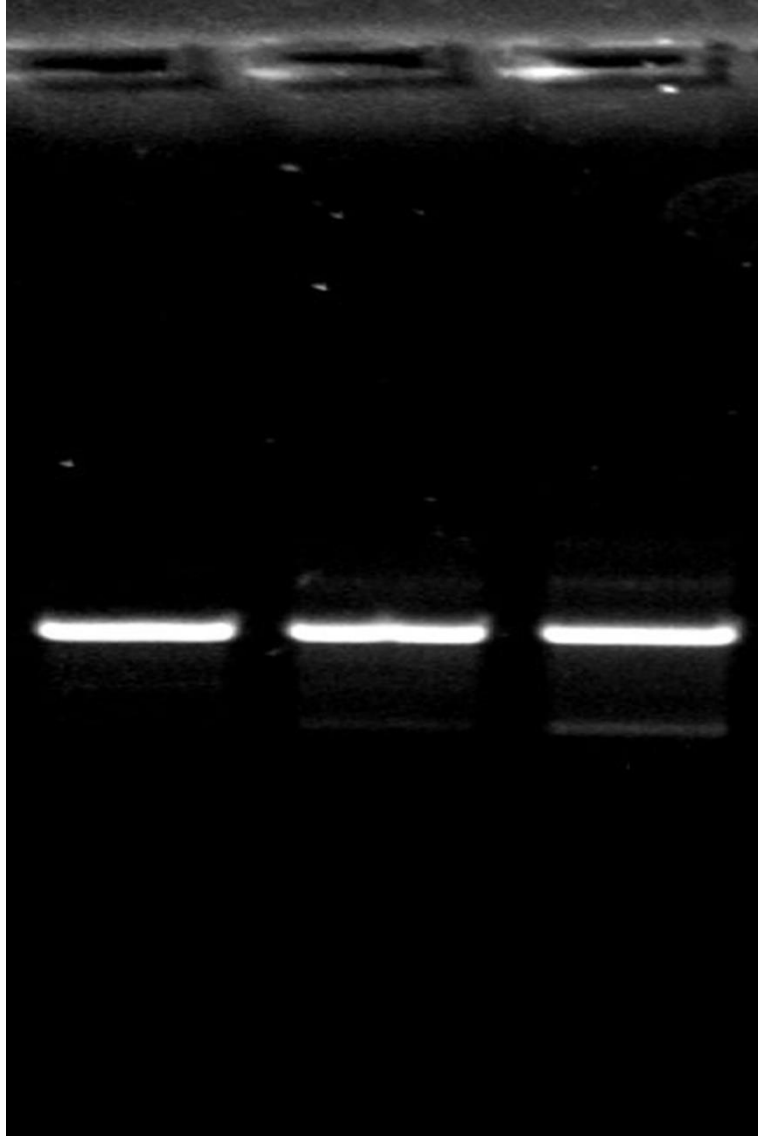
**B**



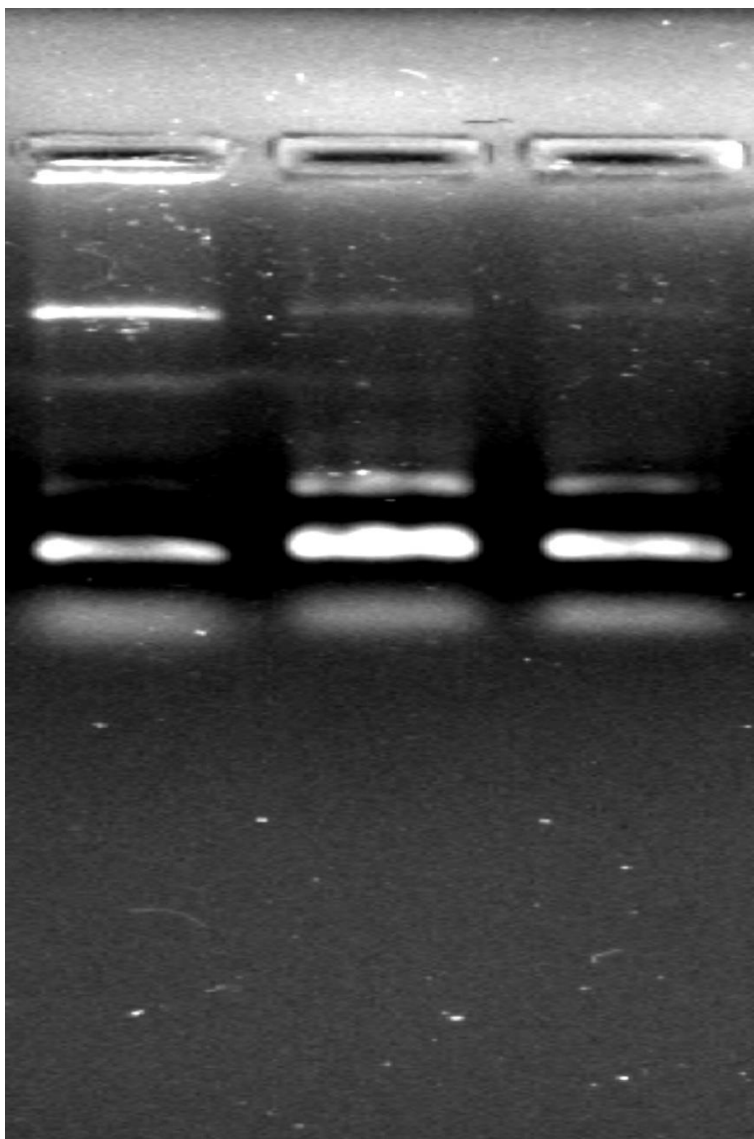
**Supplemental Fig. S2:** Isolated hepatocytes (A) and cardiomyocytes (B) of NC, HM and HM+EECGLH group.



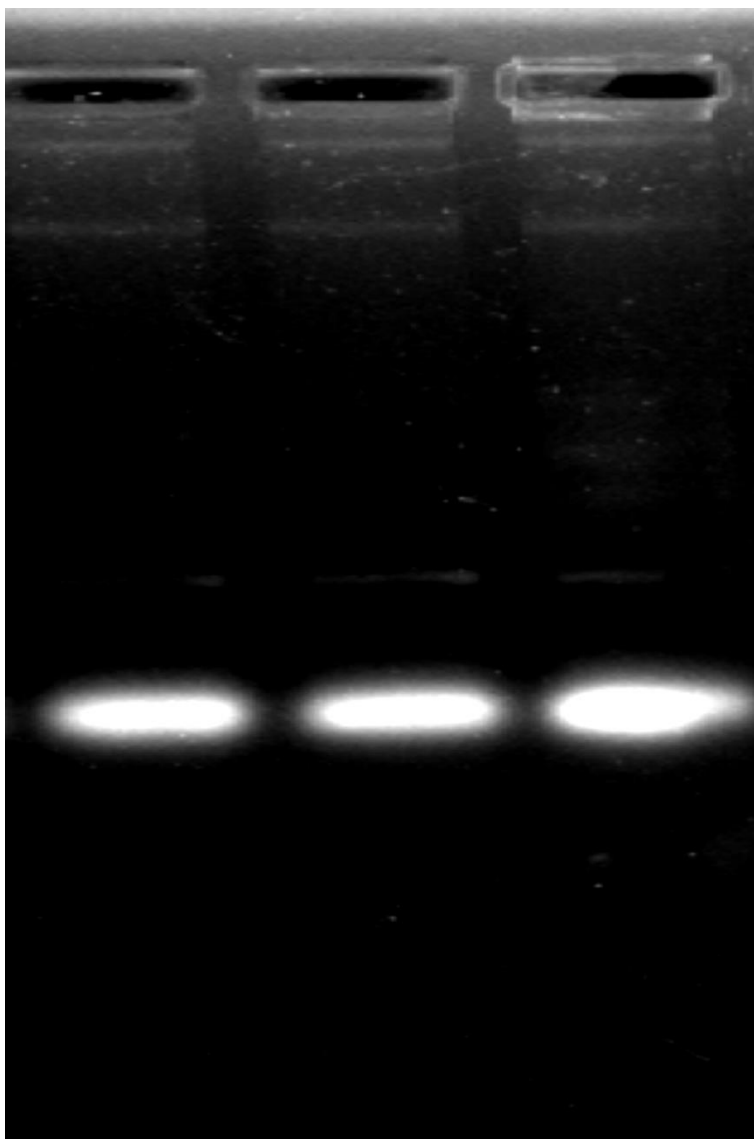
**Supplemental Fig. S3:** Full length photograph of 1.8% agarose gel with eNOS expression as PCR product of isolated hepatocytes after electrophoresis.



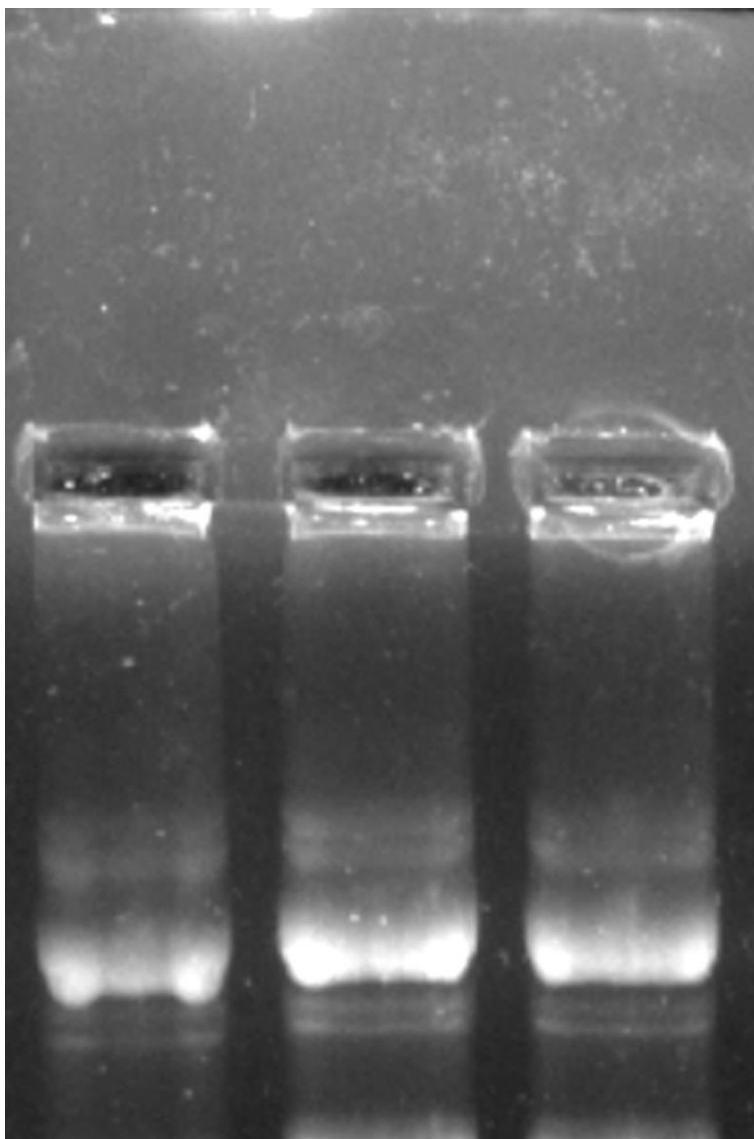
**Supplemental Fig. S4:** Full length photograph of 1% agarose gel with iNOS expression as PCR product of isolated hepatocytes after electrophoresis.



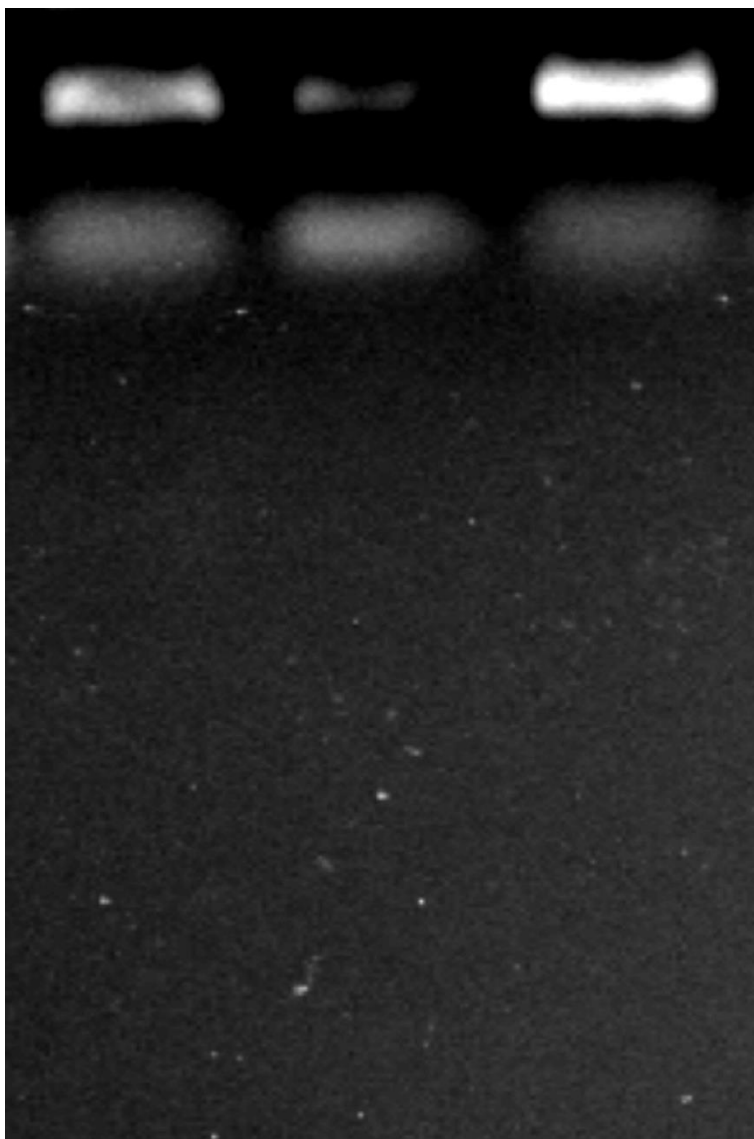
**Supplemental Fig. S5:** Full length photograph of 1.8% agarose gel with TNF- $\alpha$  expression as PCR product of isolated hepatocytes after electrophoresis.



**Supplemental Fig. S6:** Full length photograph of 1.8% agarose gel with  $\beta$ -actin expression as PCR product of isolated hepatocytes after electrophoresis.

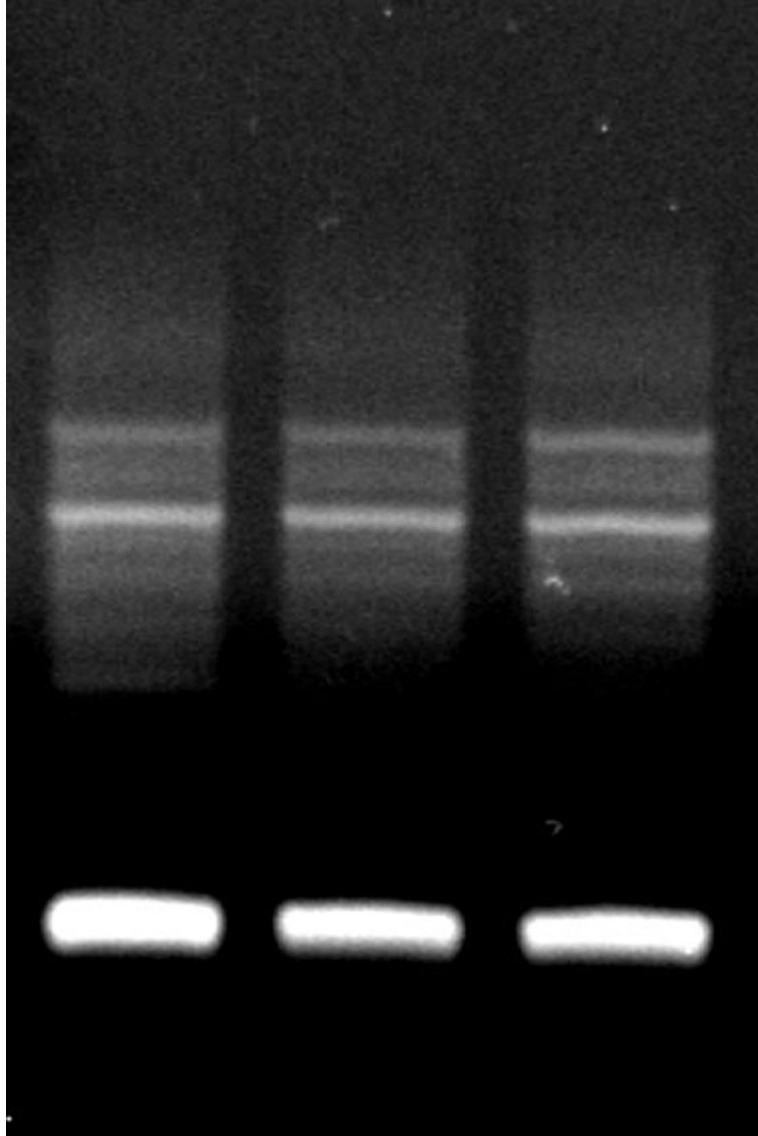


**Supplemental Fig. S7:** Full length photograph of 1.8% agarose gel with TNF- $\alpha$  expression as PCR product of isolated cardiomyocytes after electrophoresis.

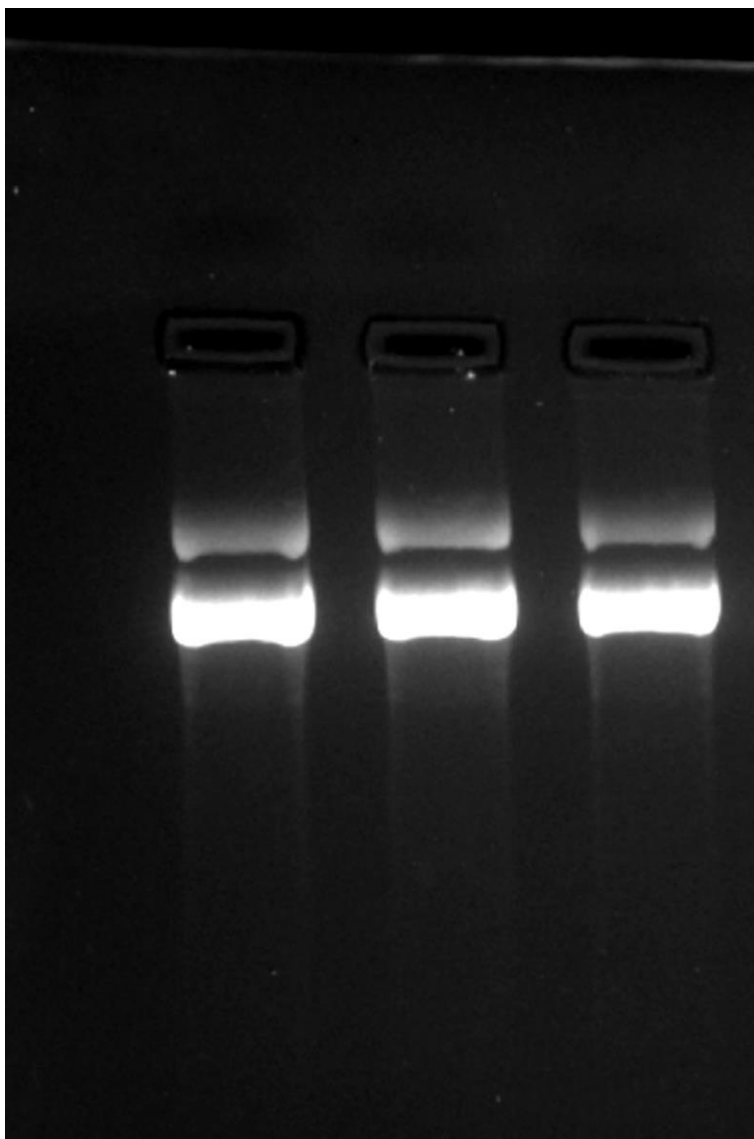


**Supplemental Fig. S8:** Full length photograph of 1.8% agarose gel with eNOS expression as PCR product of isolated cardiomyocytes after electrophoresis.

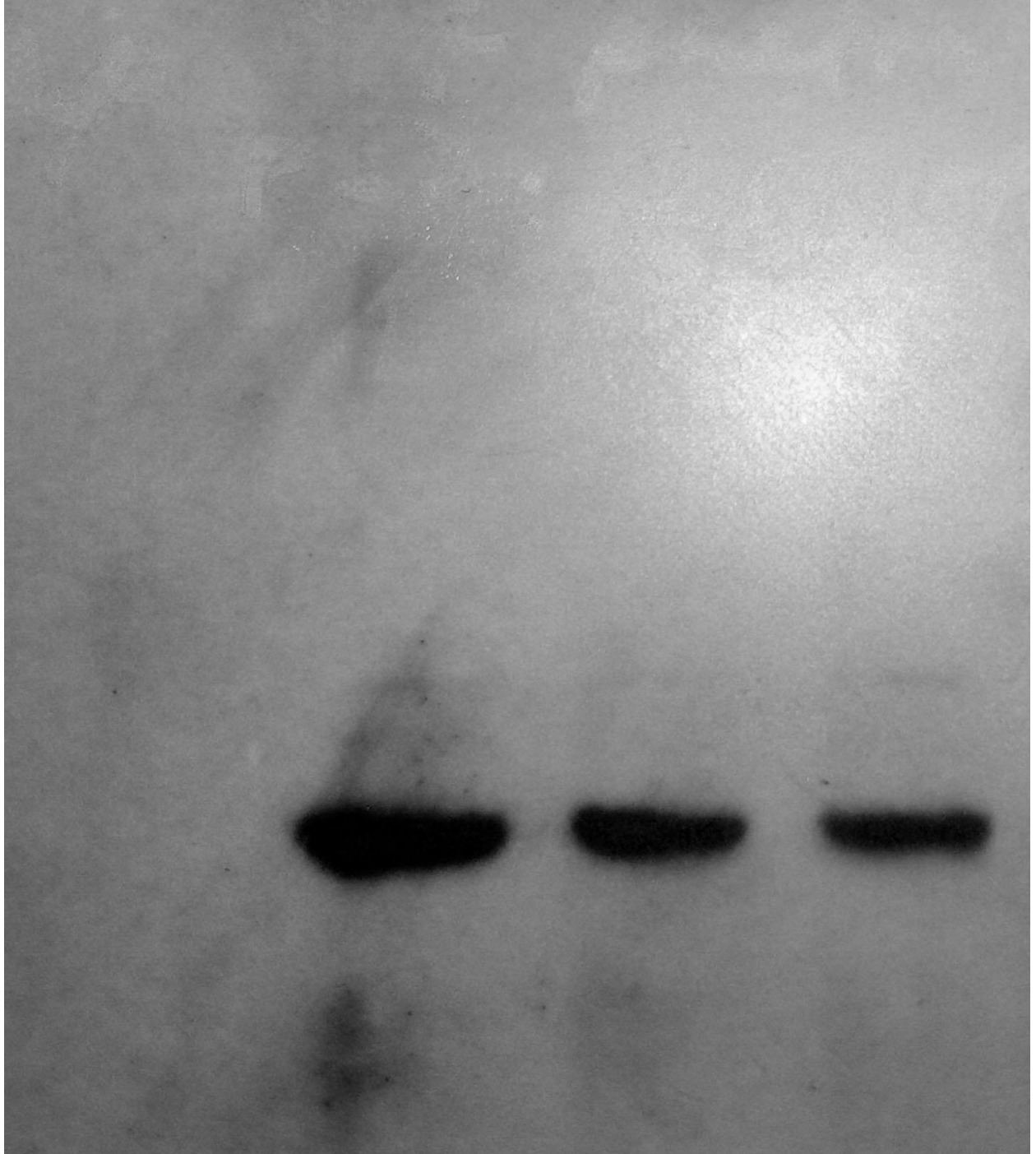




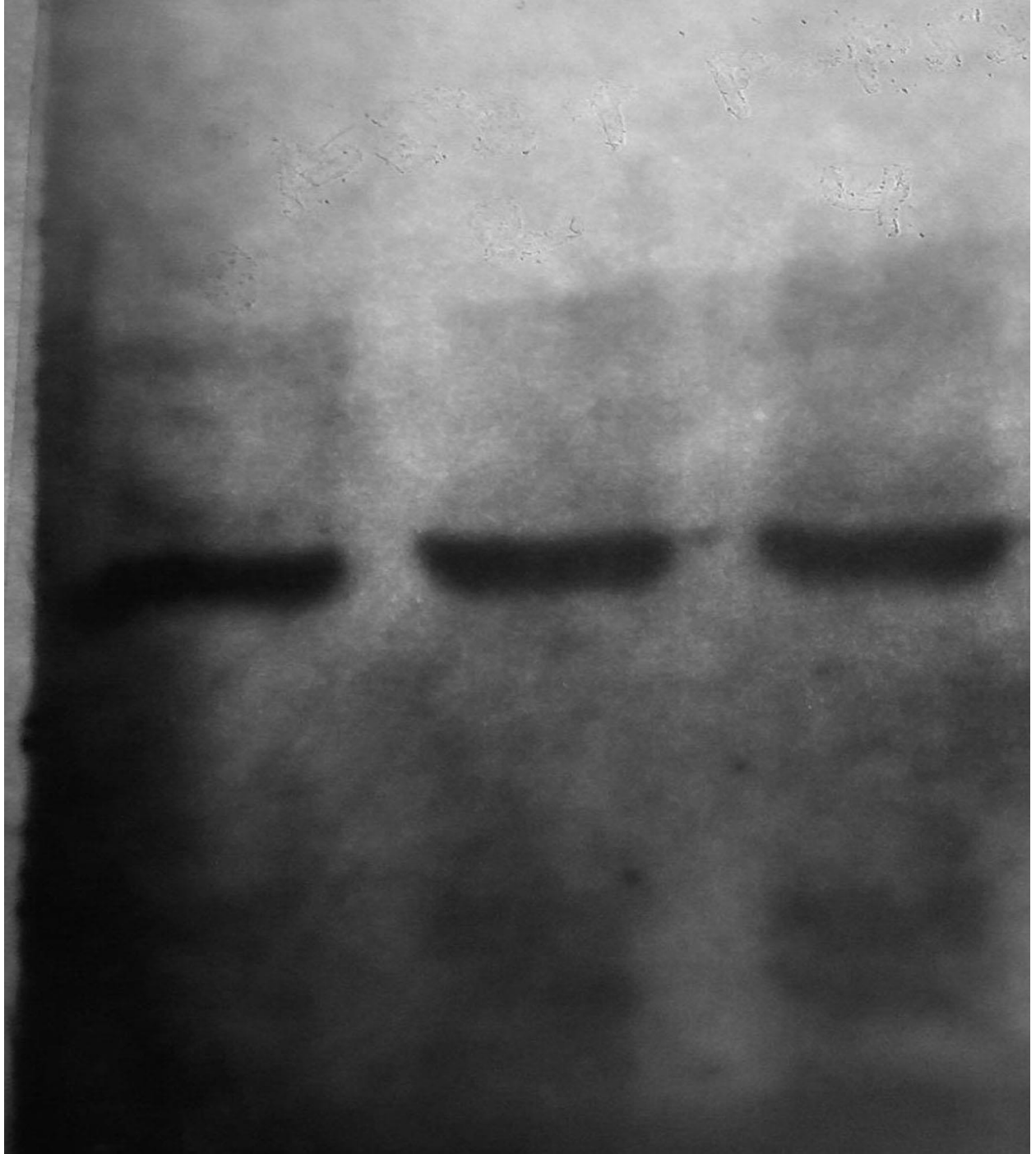
**Supplemental Fig. S9:** Full length photograph of 1.8% agarose gel with iNOS expression as PCR product of isolated cardiomyocytes after electrophoresis.



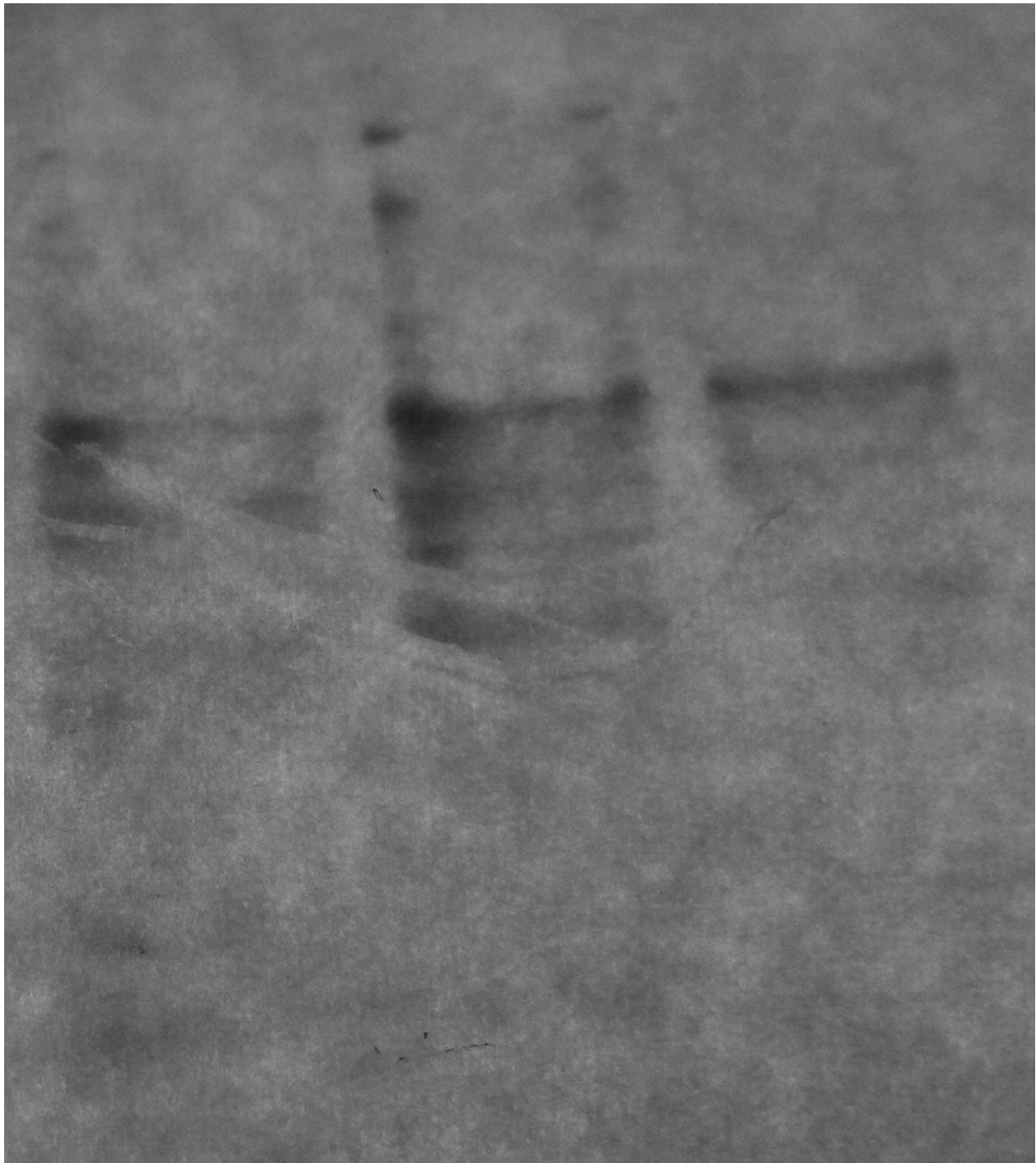
**Supplemental Fig. S10:** Full length photograph of 1.8% agarose gel with  $\beta$ -actin expression as PCR product of isolated cardiomyocytes after electrophoresis.



**Supplemental Fig. S11:** Full length photograph of western blot image with Bcl2 expression of isolated hepatocytes.



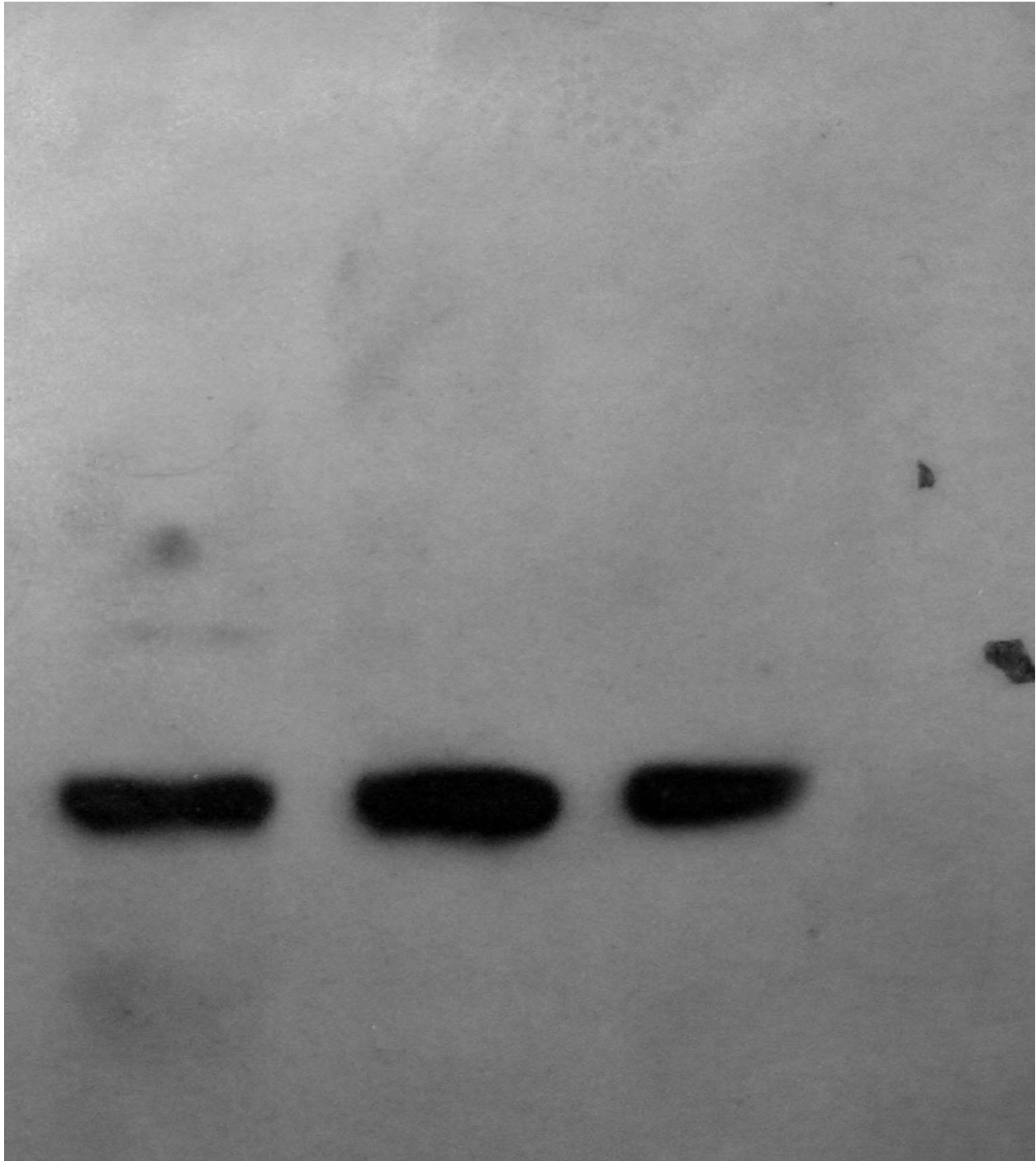
**Supplemental Fig. S12:** Full length photograph of western blot image with Cleaved caspase 9 expression of isolated hepatocytes.



**Supplemental Fig. S13:** Full length photograph of western blot image with p21 expression of isolated hepatocytes.

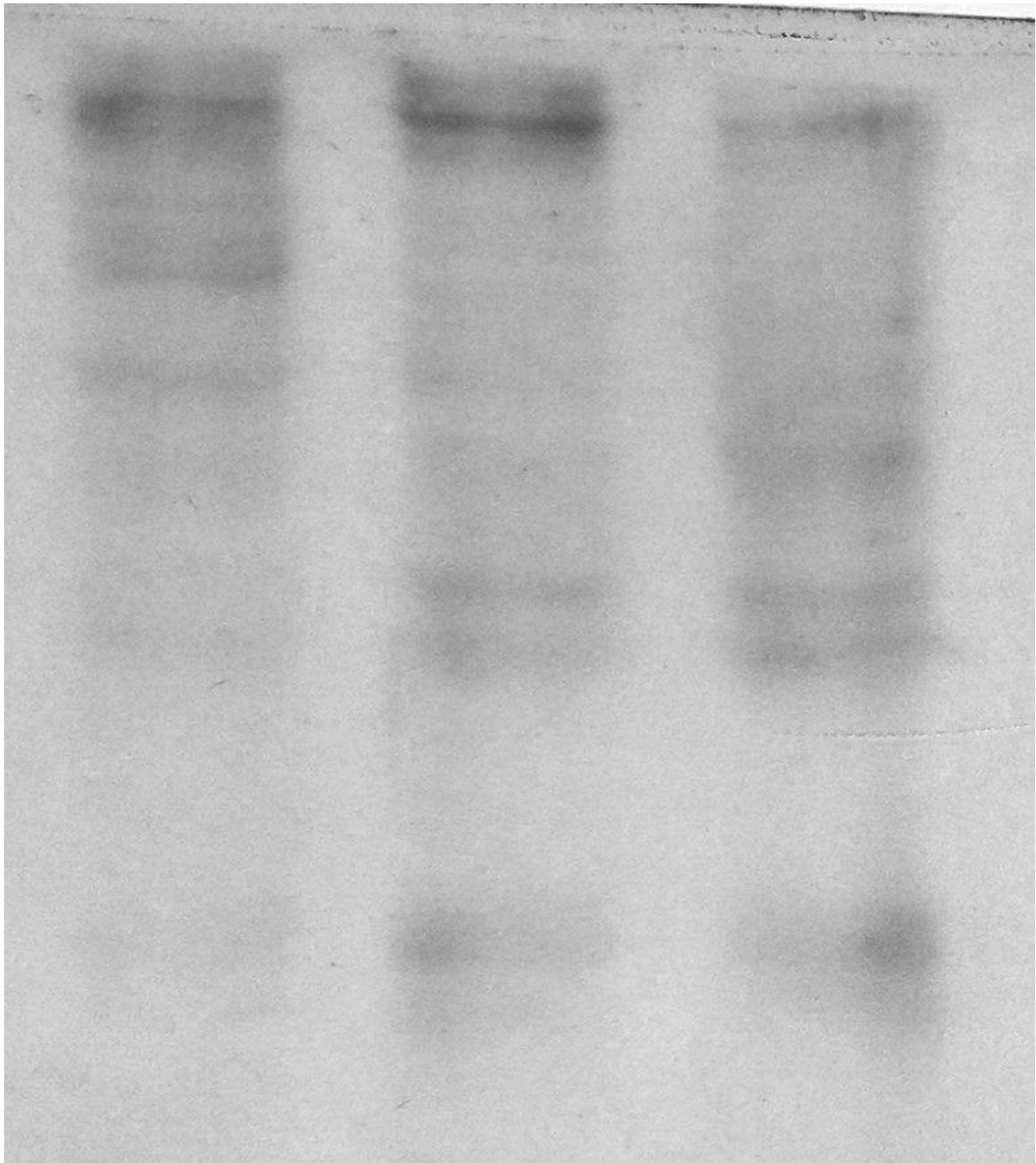


**Supplemental Fig. S14:** Full length photograph of western blot image with p53 expression of isolated hepatocytes.



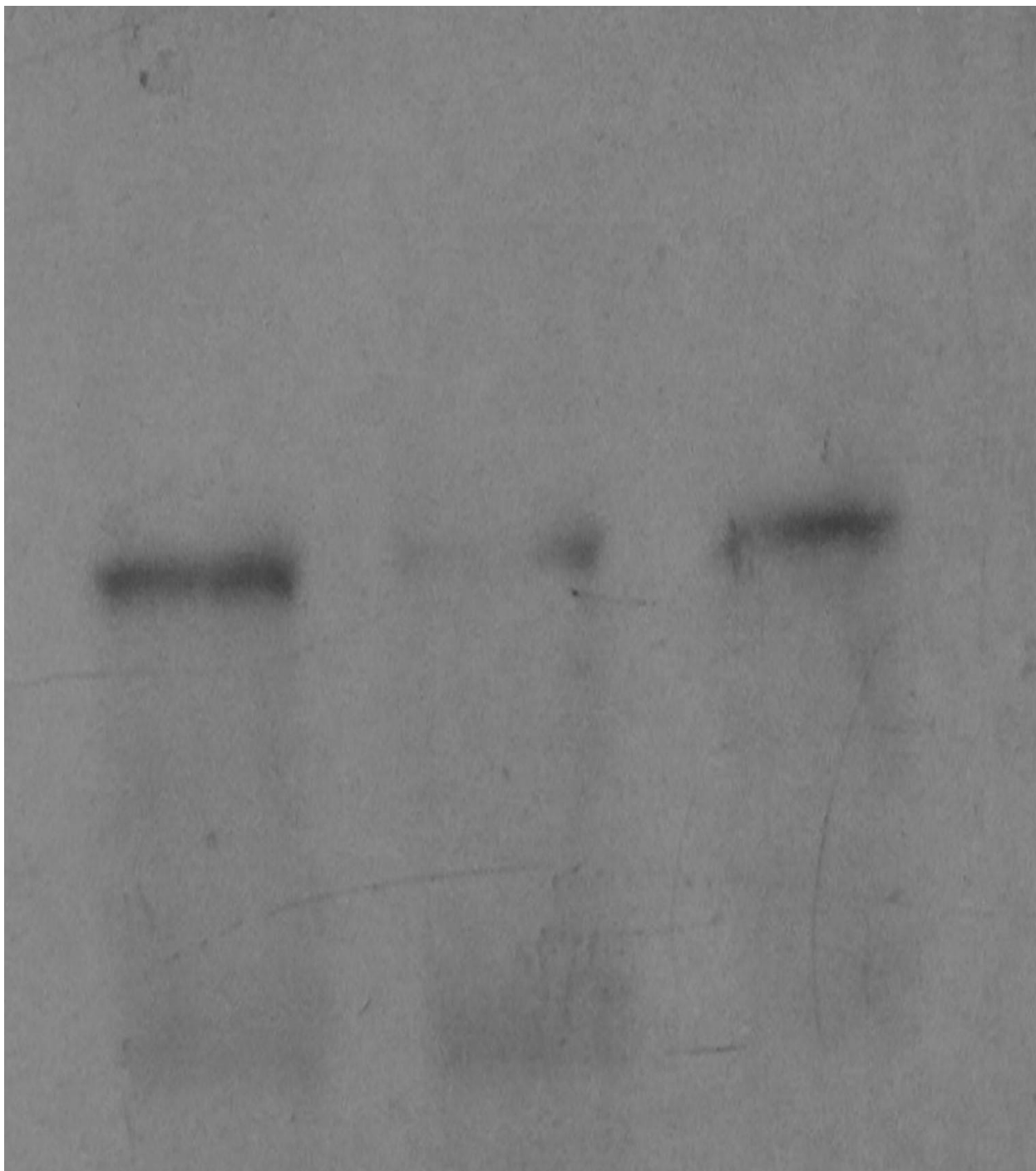
**Supplemental Fig. S15:** Full length photograph of western blot image with Cleaved caspase 3 expression of isolated hepatocytes.



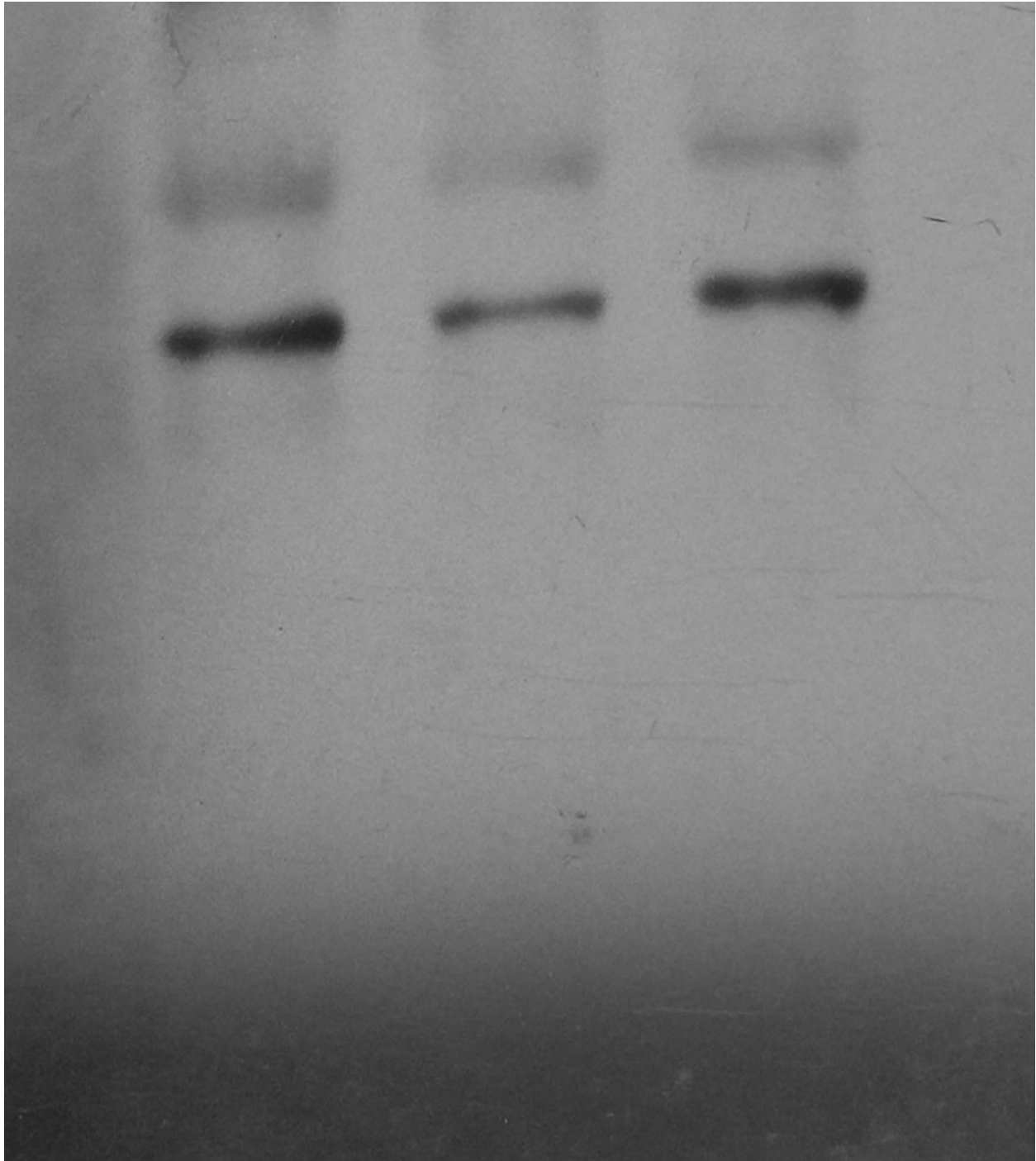


**Supplemental Fig. S16:** Full length photograph of western blot image with Bax expression of isolated hepatocytes.

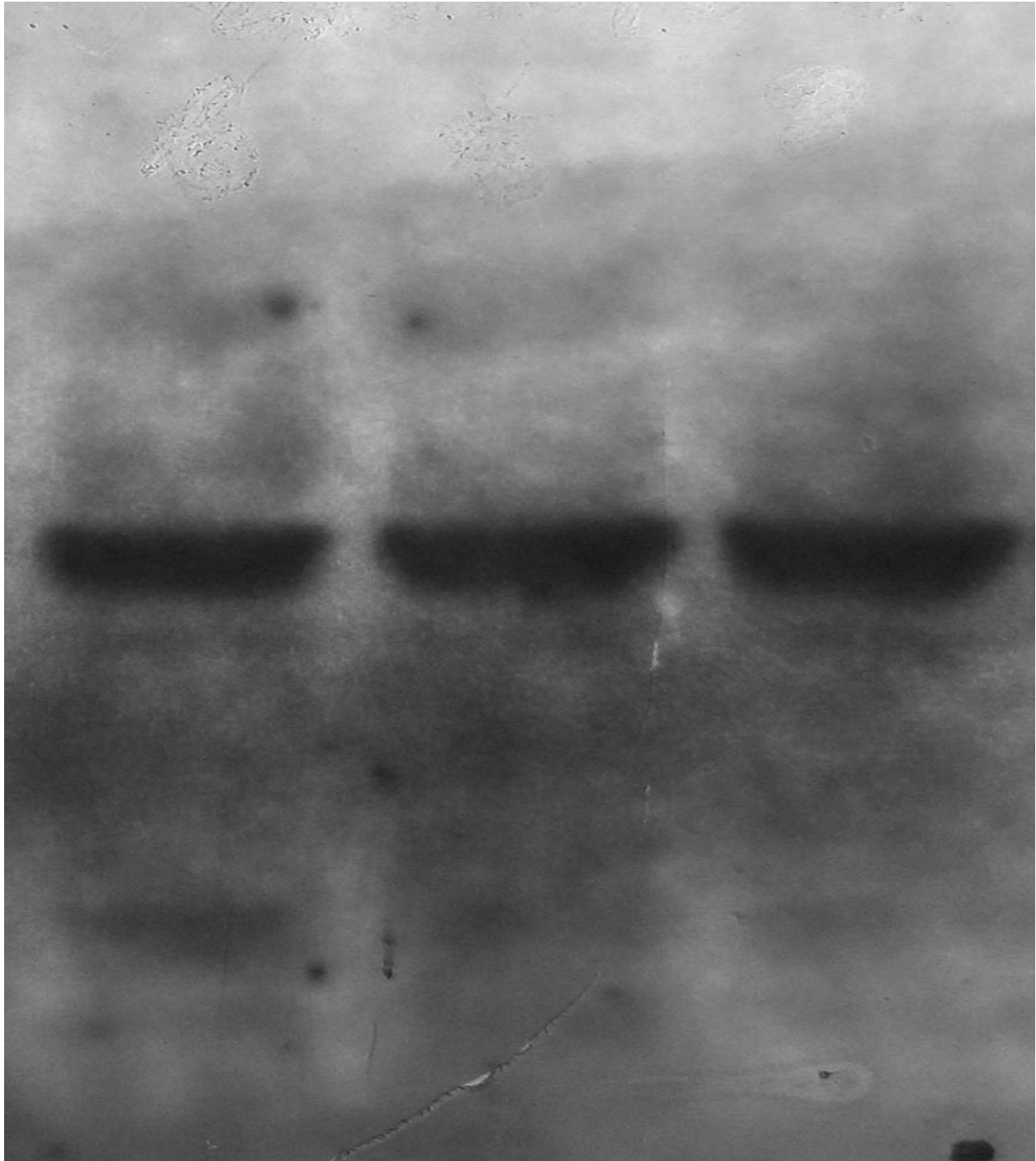




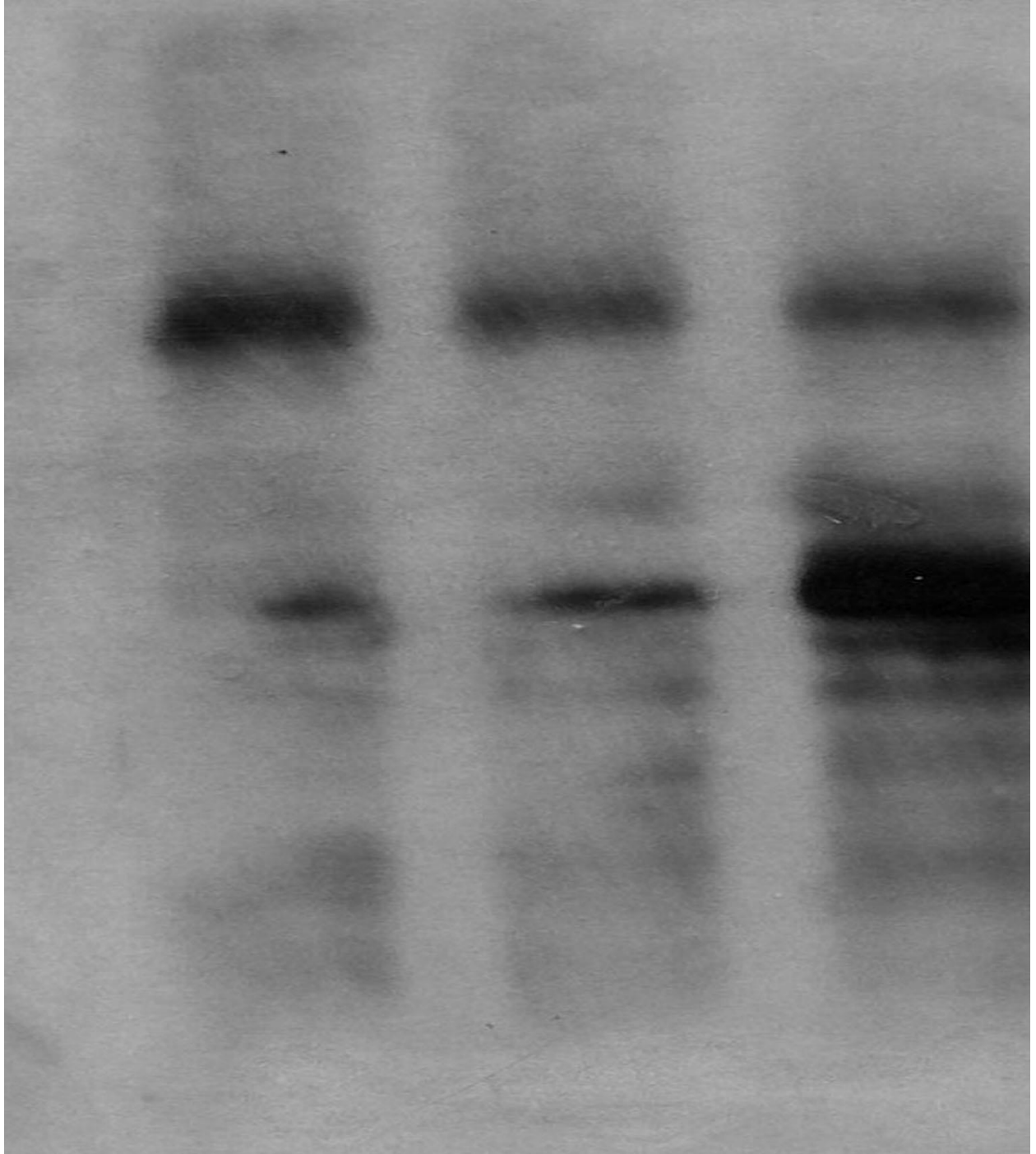
**Supplemental Fig. S17:** Full length photograph of western blot image with PPAR- $\alpha$  expression of isolated hepatocytes.



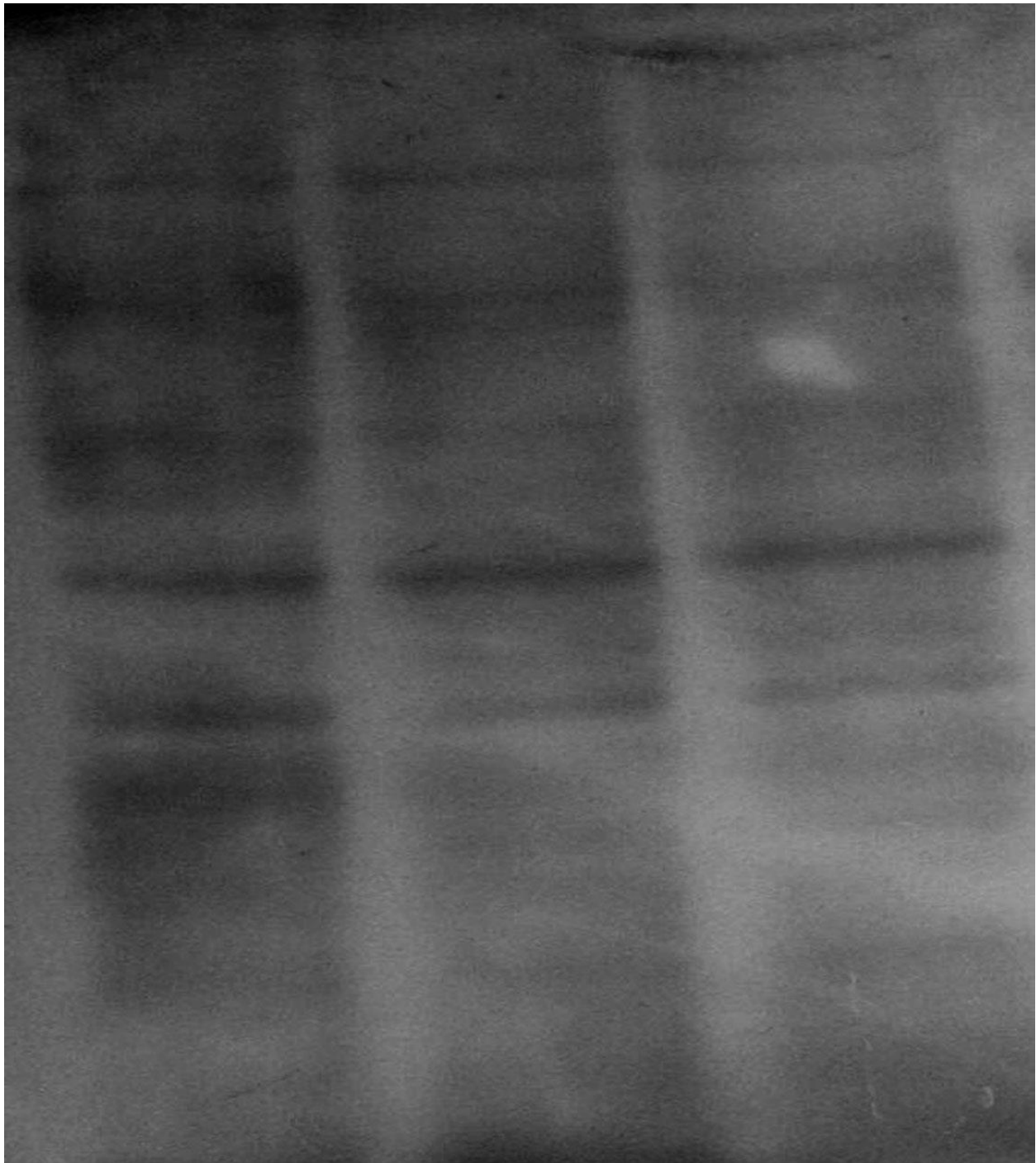
**Supplemental Fig. S18:** Full length photograph of western blot image with PPAR- $\gamma$  expression of isolated hepatocytes.



**Supplemental Fig. S19:** Full length photograph of western blot image with GAPDH expression of isolated hepatocytes.



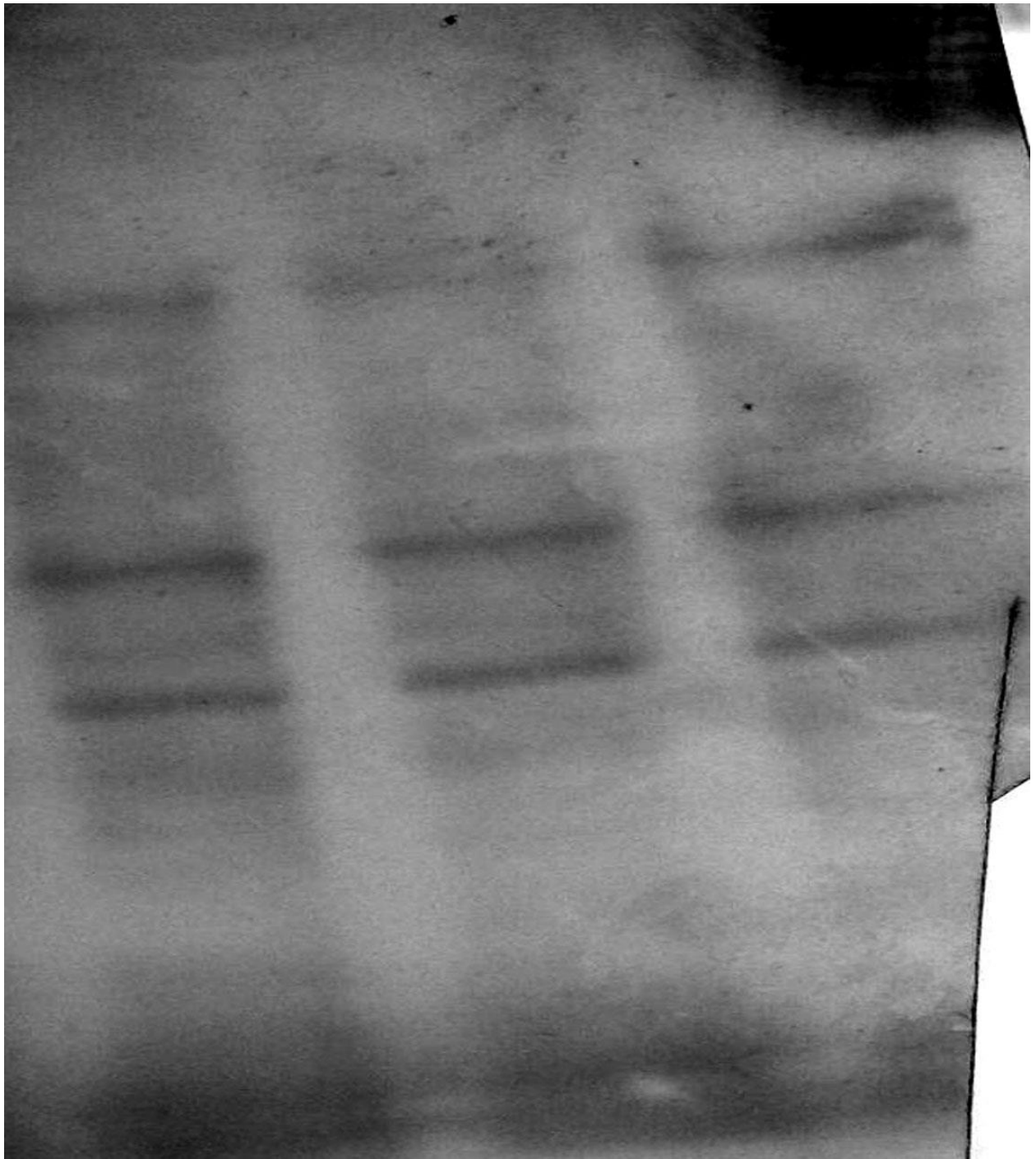
**Supplemental Fig. S20:** Full length photograph of western blot image with Bcl2 expression of isolated cardiomyocytes.



**Supplemental Fig. S21:** Full length photograph of western blot image with p53 expression of isolated cardiomyocytes.

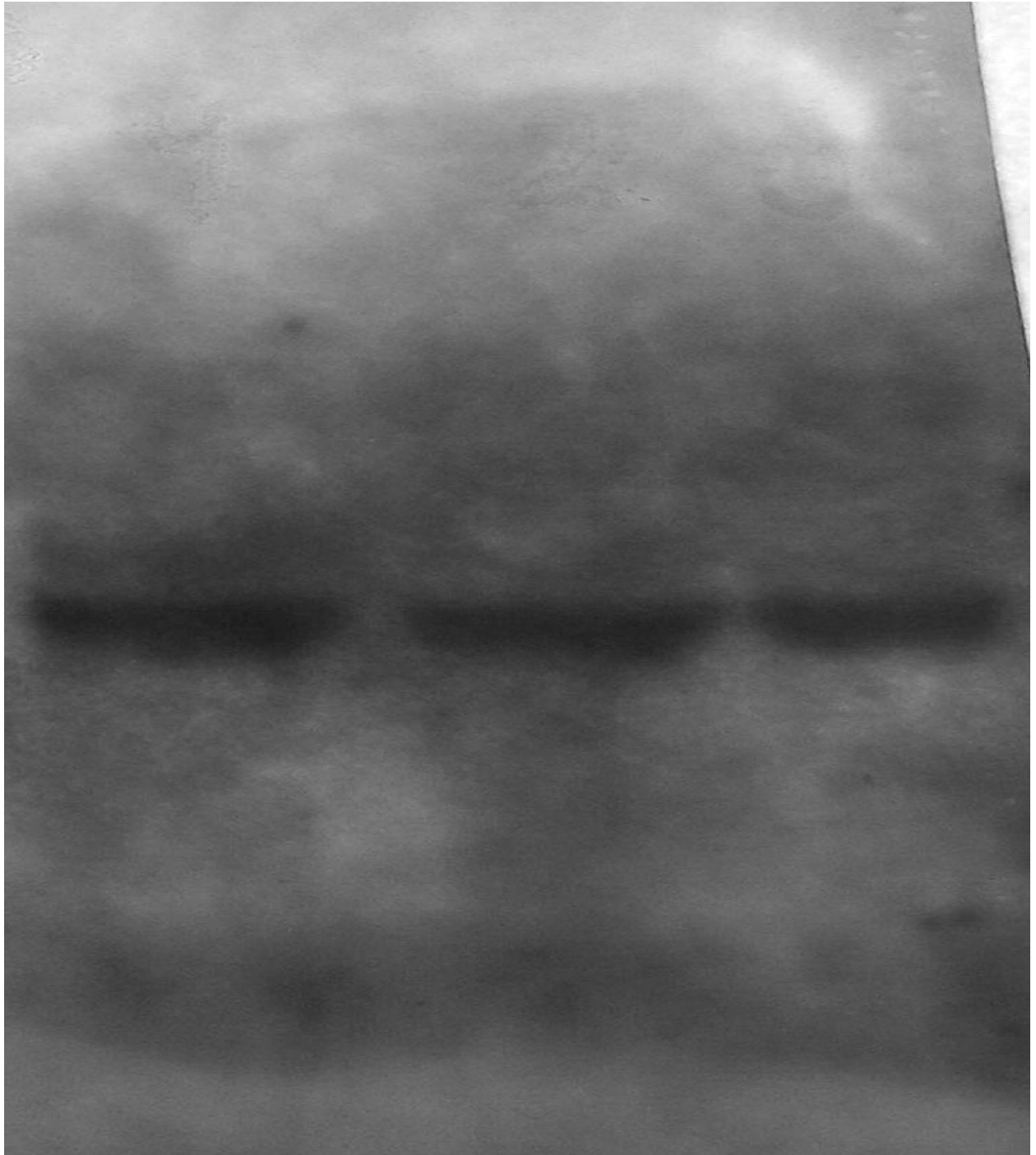


**Supplemental Fig. S22:** Full length photograph of western blot image with Cleaved caspase 9 expression of isolated cardiomyocytes.



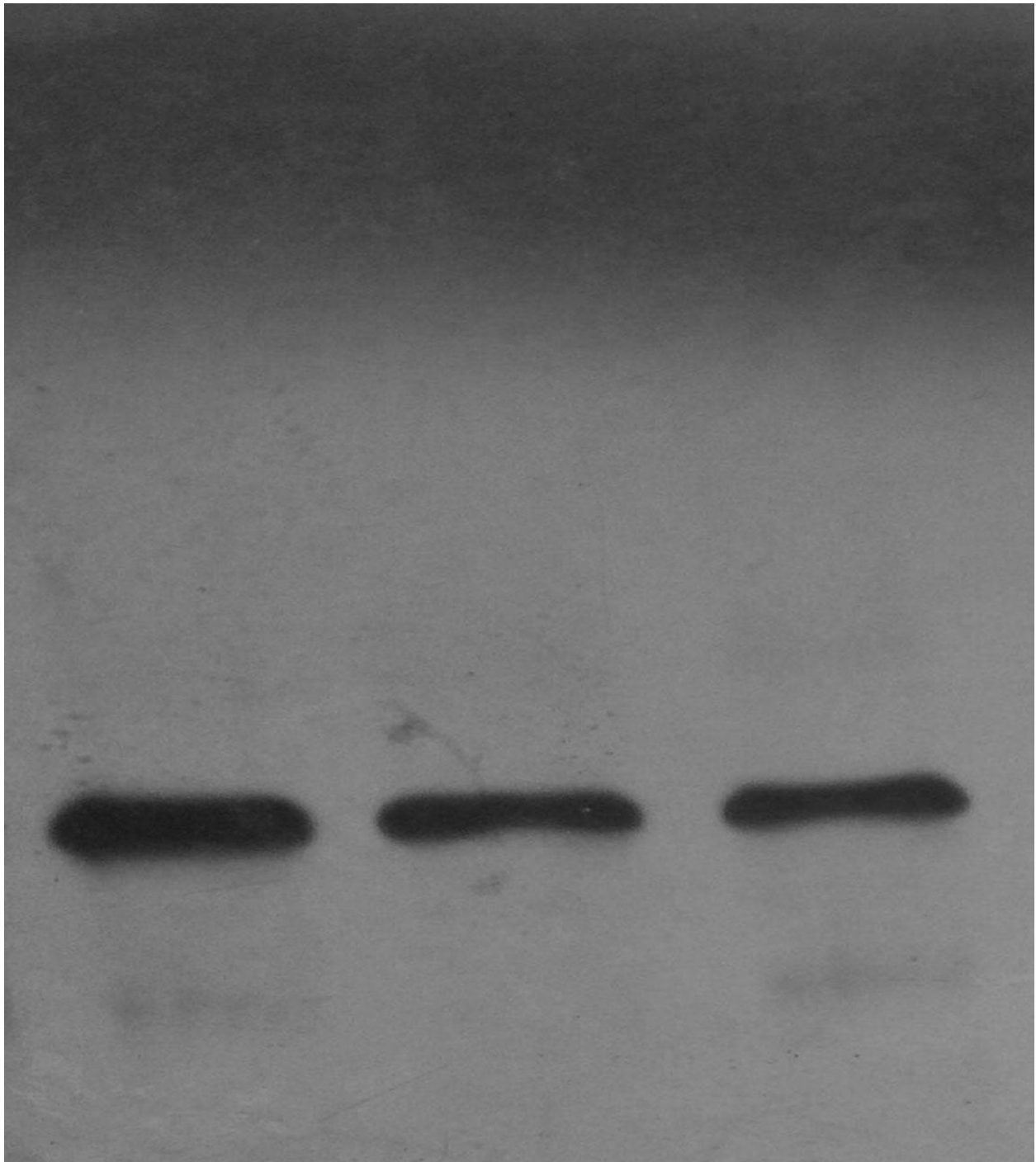
**Supplemental Fig. S23:** Full length photograph of western blot image with p21 expression of isolated cardiomyocytes.





**Supplemental Fig. S24:** Full length photograph of western blot image with Cleaved caspase 3 expression of isolated cardiomyocytes.

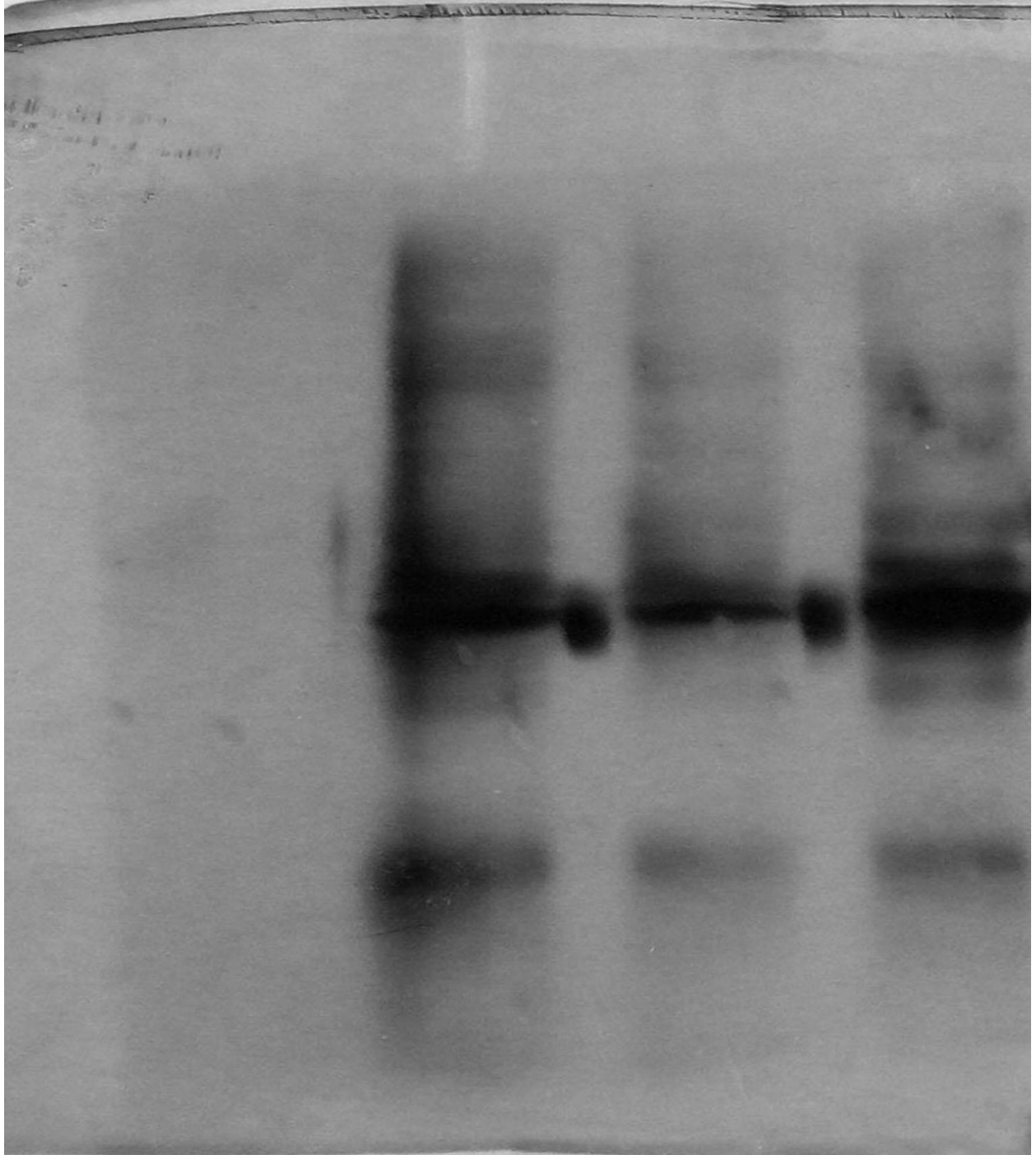




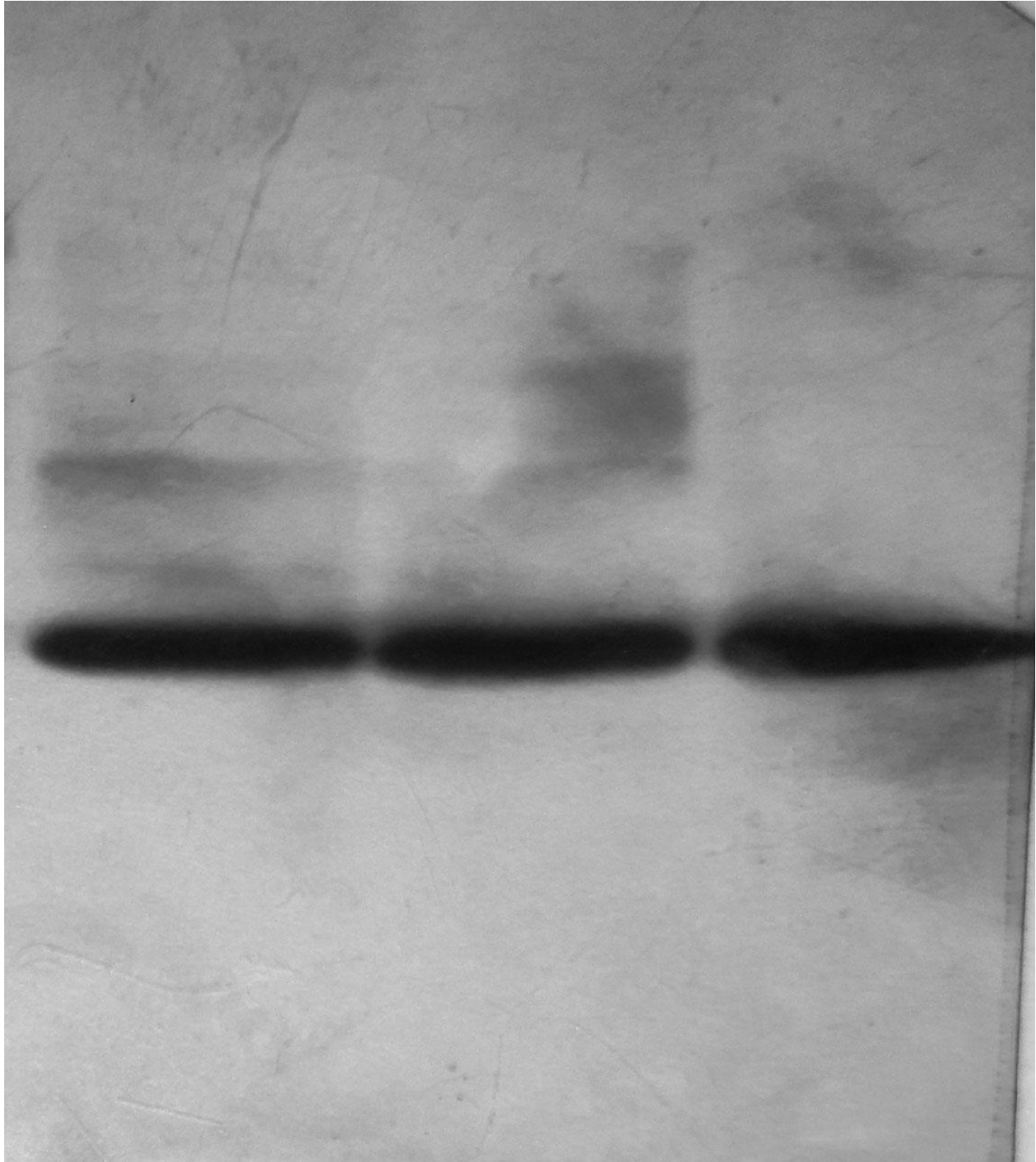
**Supplemental Fig. S25:** Full length photograph of western blot image with Bax expression of isolated cardiomyocytes.



**Supplemental Fig. S26:** Full length photograph of western blot image with PPAR- $\alpha$  expression of isolated cardiomyocytes.



**Supplemental Fig. S27:** Full length photograph of western blot image with PPAR- $\gamma$  expression of isolated cardiomyocytes.



**Supplemental Fig. S28:** Full length photograph of western blot image with GAPDH expression of isolated cardiomyocytes.