

Supplementary Information

Maternal and early postnatal immune activation produce sex-specific effects on autism-like behaviors and neuroimmune function in mice.

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Fig. S1 Correlation between mRNA and protein expression levels of pro-inflammatory markers (A) IL-6 and (B) IL-1 β in the brains of male and female mice. Pearson linear correlation coefficients R^2 and their P values are indicated in the graph.

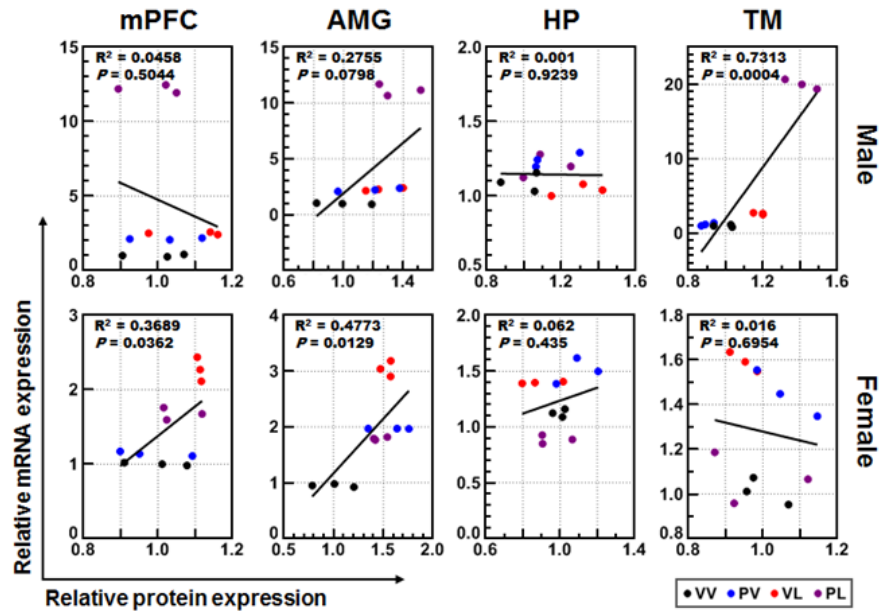
Fig. S2 Correlation between mRNA and protein expression levels of neuroinflammation markers (A) Iba-1, (B) GFAP and (C) TSPO in the brains of male and female mice. Pearson linear correlation coefficients R^2 and their P values are indicated in the graph.

Fig. S3 Correlation between mRNA and protein expression levels of anti-inflammatory markers (A) IL-10 and (B) TGF- β 1 in the brains of male and female mice. Pearson linear correlation coefficients R^2 and their P values are indicated in the graph.

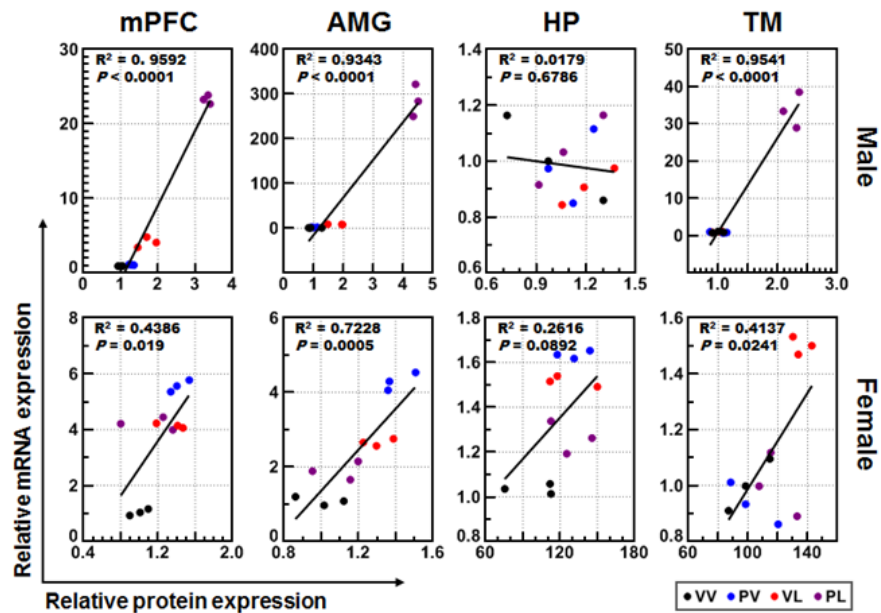
Fig. S4 Full length western blots for each of the proteins analyzed including 1) IL-6, 2) IBA-1, 3) GFAP, 4) TSPO, 5) IL-10, 6) TGF- β 1, 7) β -actin. Red selection indicates the representative western blots displayed in **Fig. 8,10,12**.

Supplemental Figure S1

A) IL-6

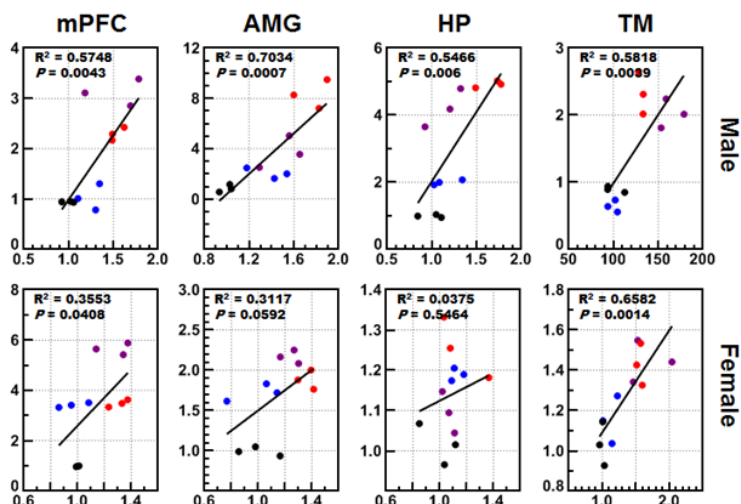


B) IL-1 β

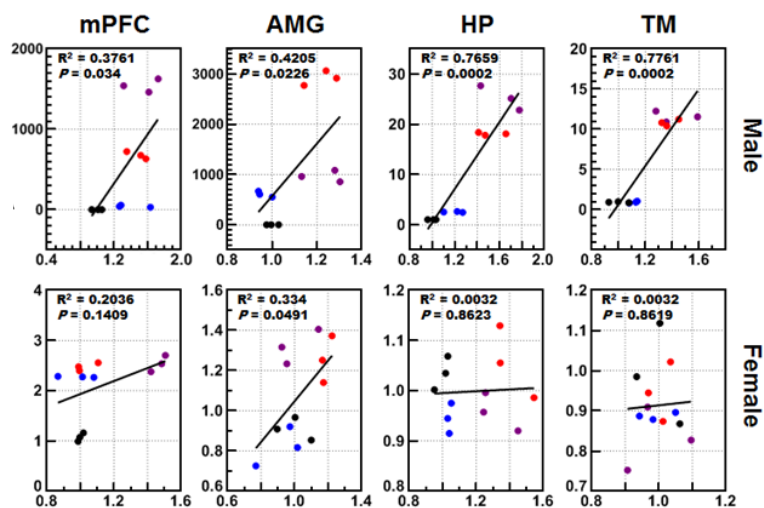


Supplemental Figure S2

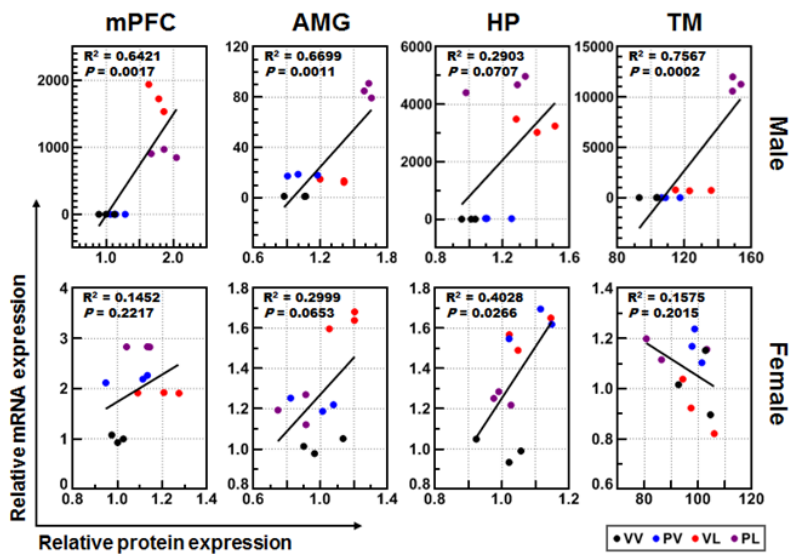
A) Iba-1



B) GFAP

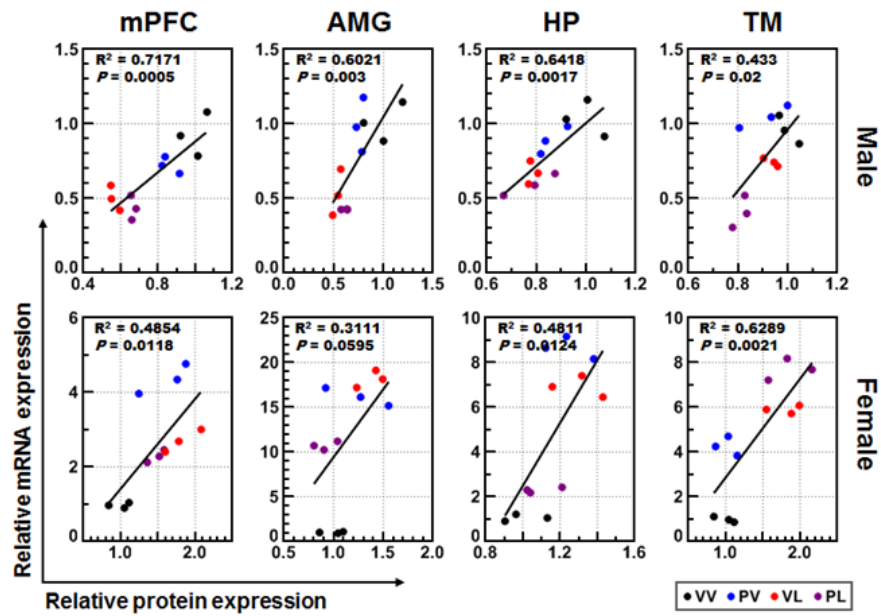


C) TSPO

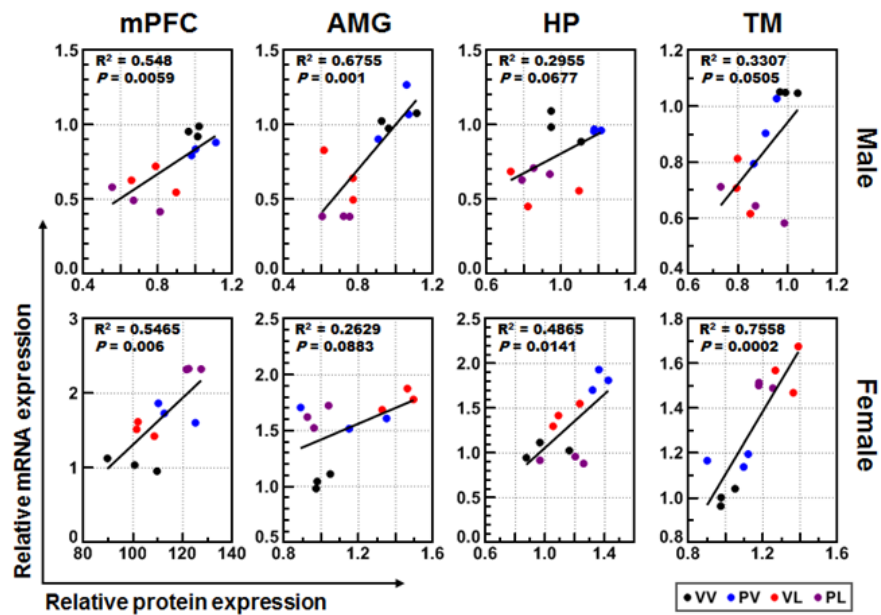


Supplemental Figure S3

A) IL-10



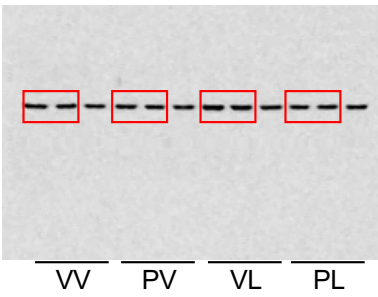
B) TGF- β 1



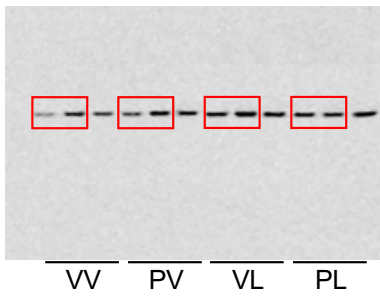
1. IL-6

Male

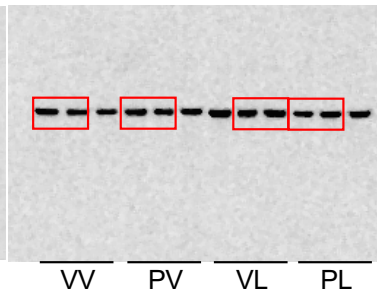
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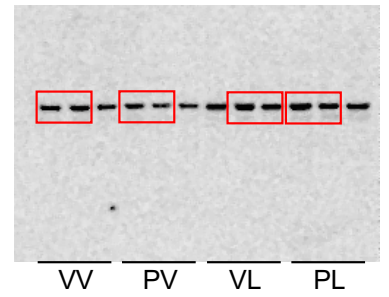
AMG



HP

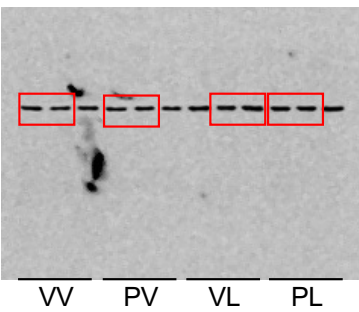


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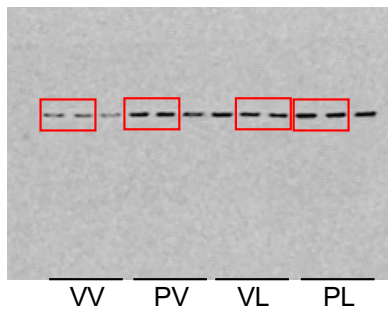


Female

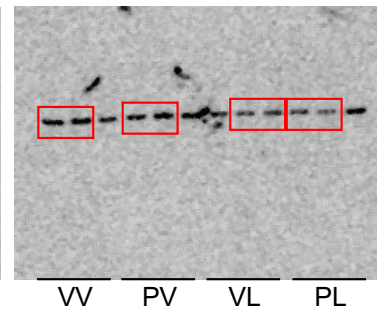
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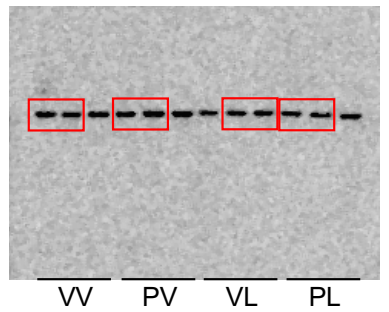
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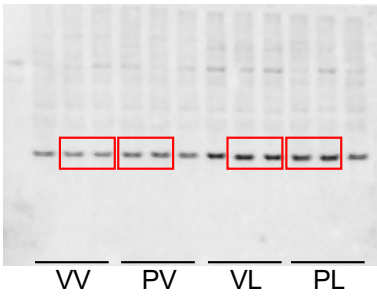
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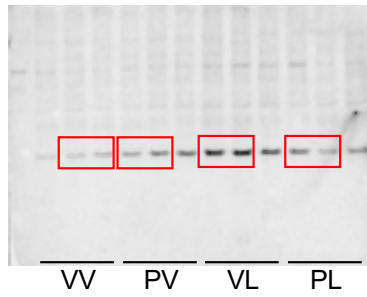
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Male

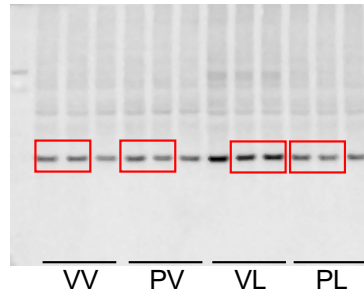
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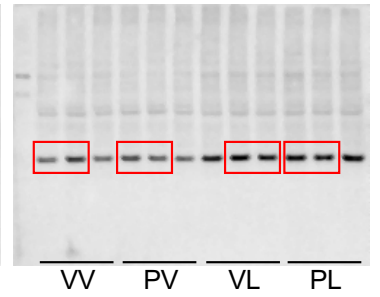
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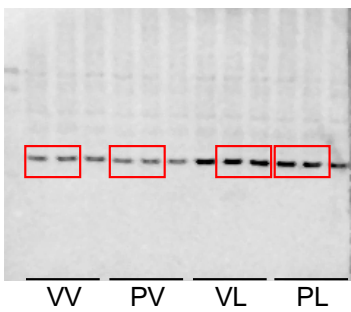


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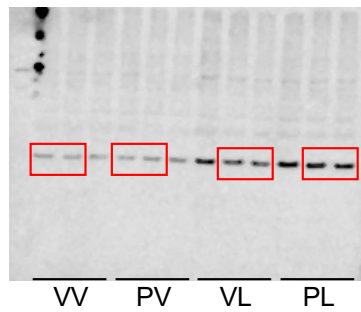


Female

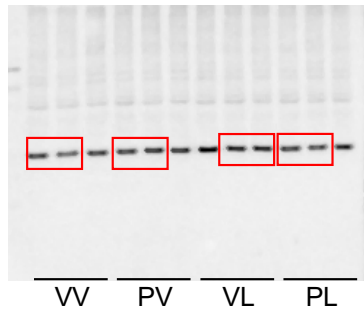
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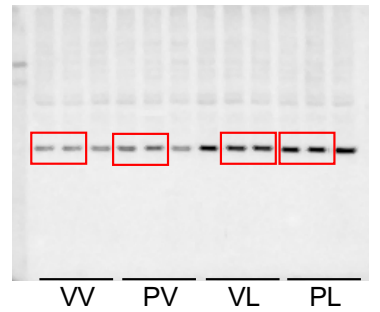
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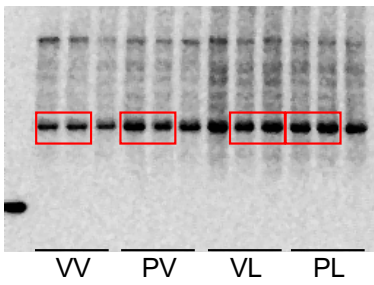
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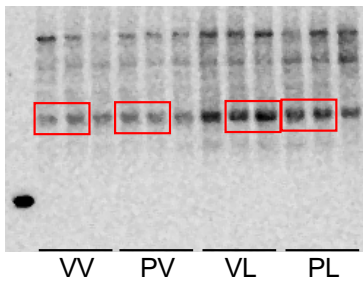
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Male

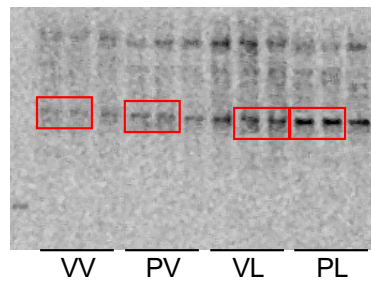
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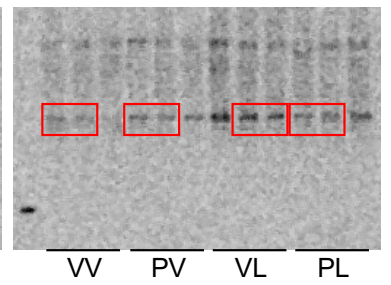
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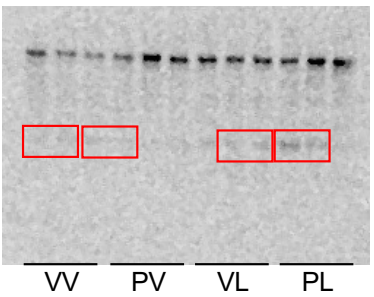


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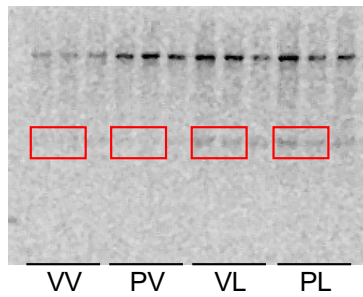


Female

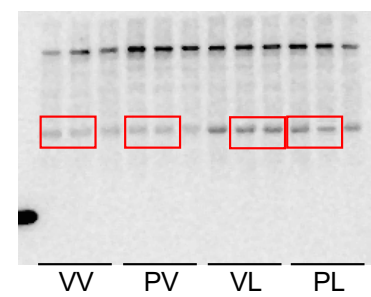
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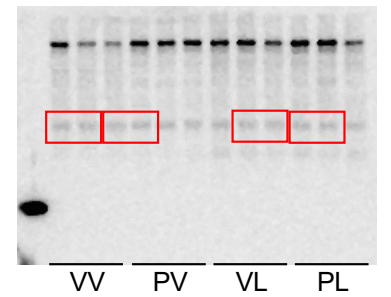
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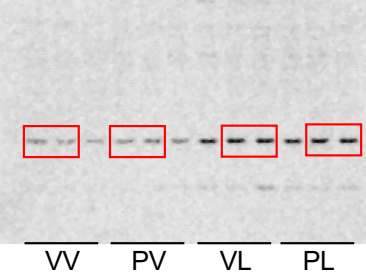
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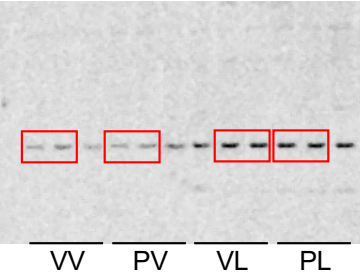
4. TSPO

Male

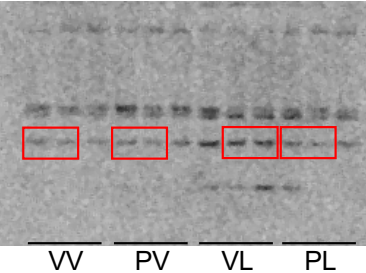
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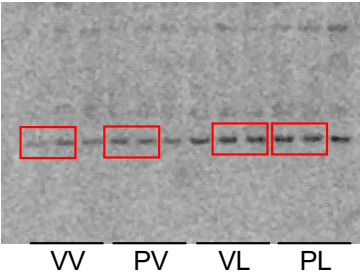
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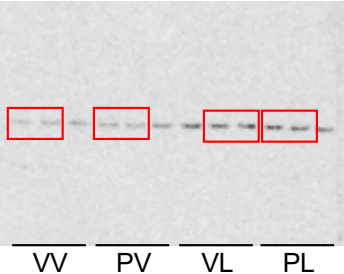


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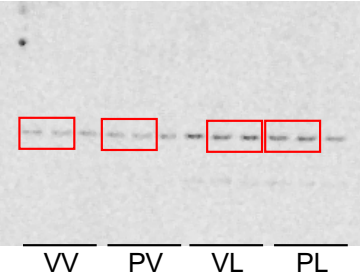


Female

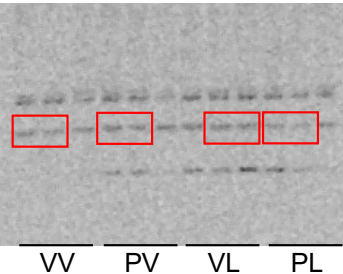
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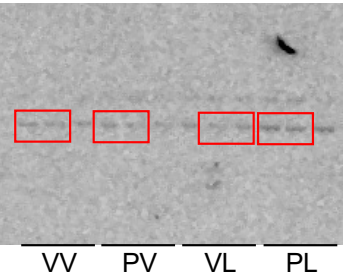
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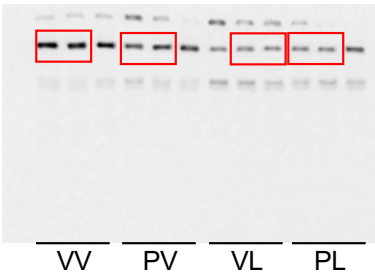
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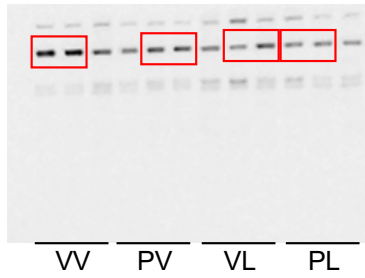
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Male

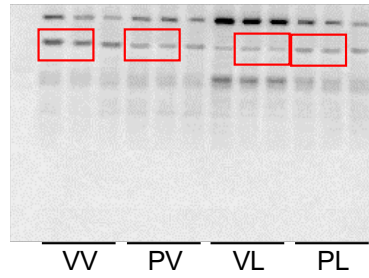
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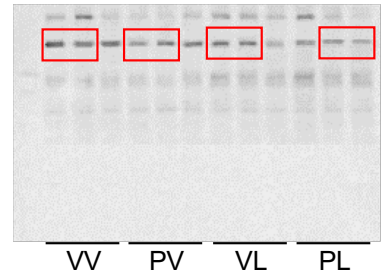
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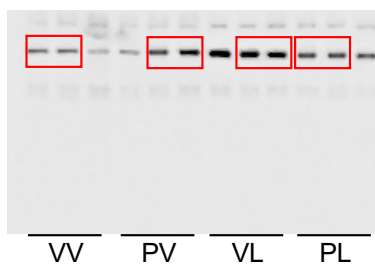


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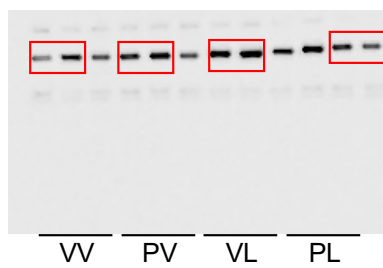


Female

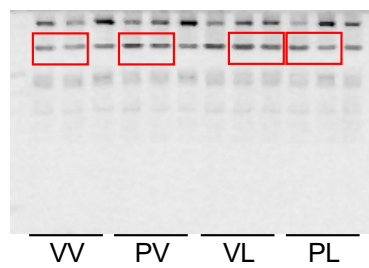
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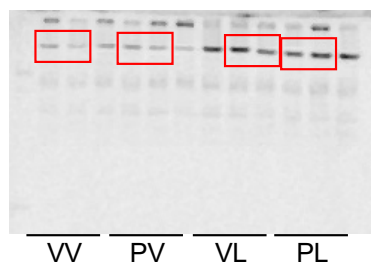
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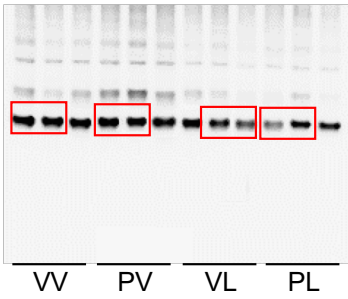
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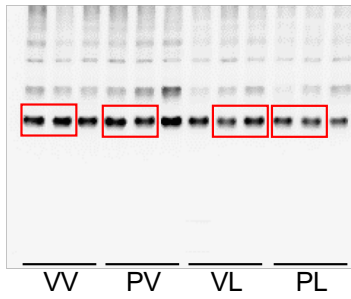
6.TGF- β 1

Male

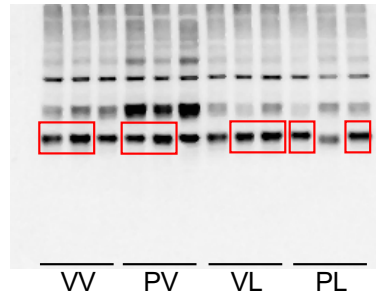
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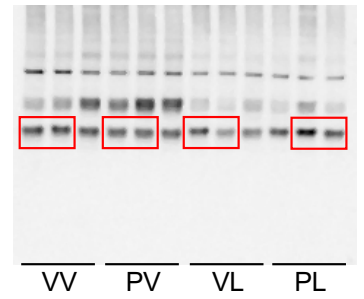
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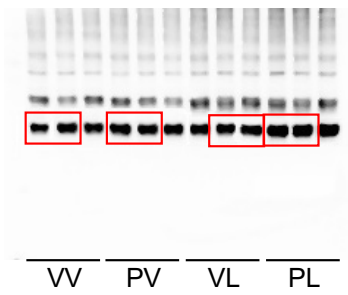


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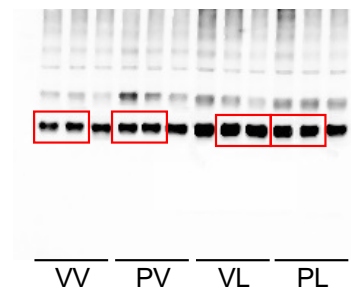


Female

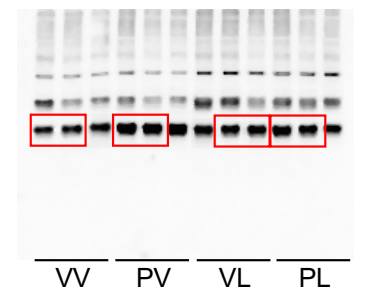
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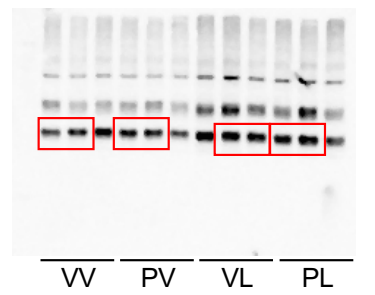
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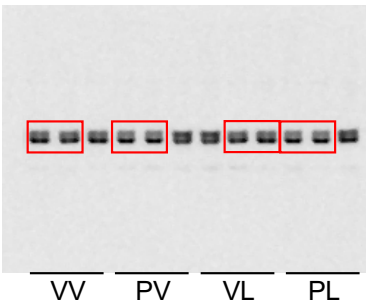
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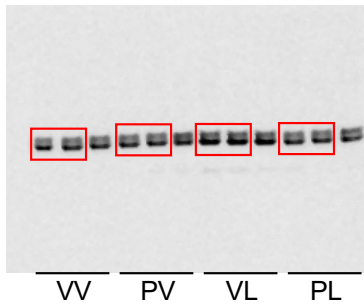
7. β -actin

Male

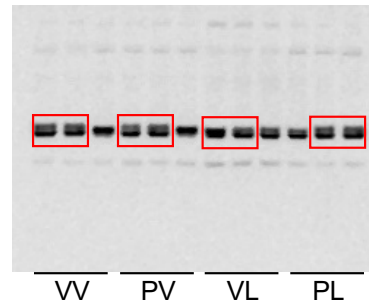
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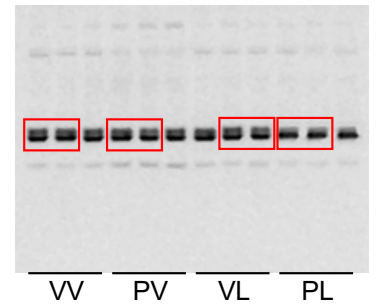
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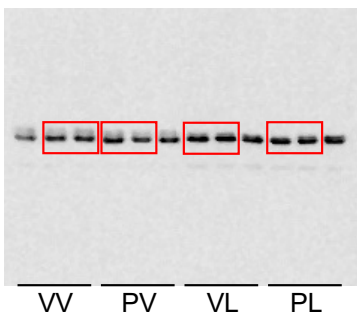


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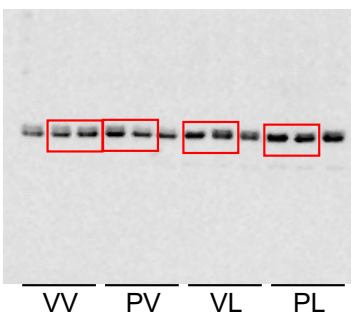


Female

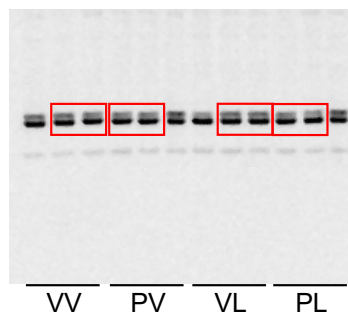
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