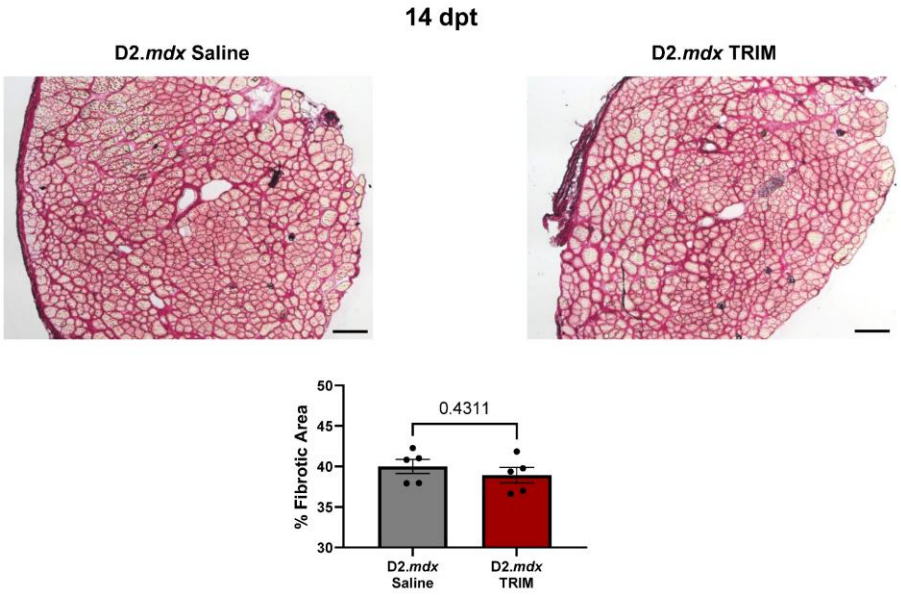
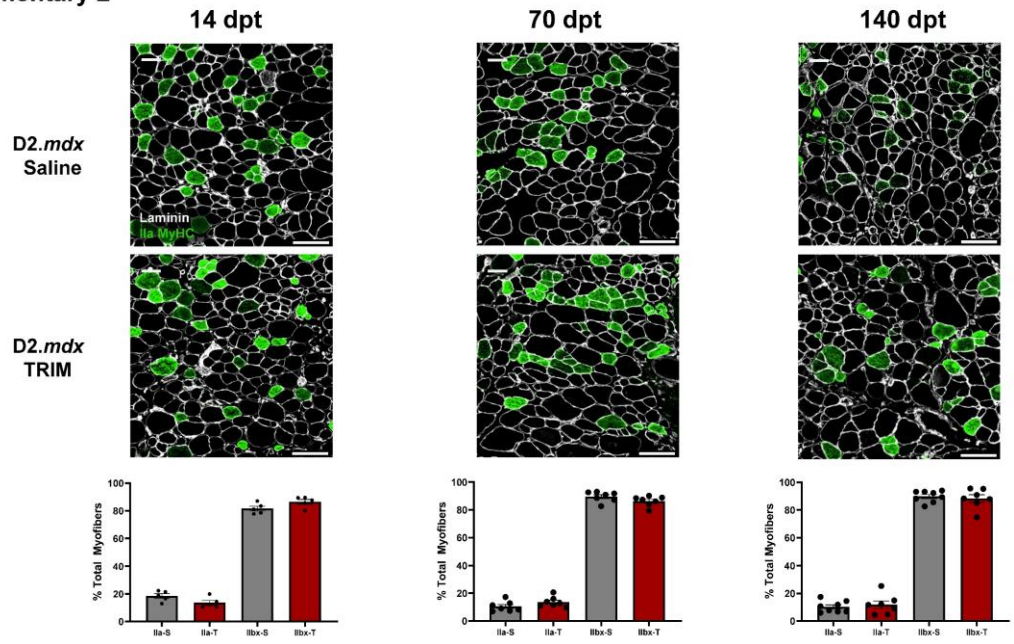
SUPPLEMENTAL MATERIAL

Supplementary 1



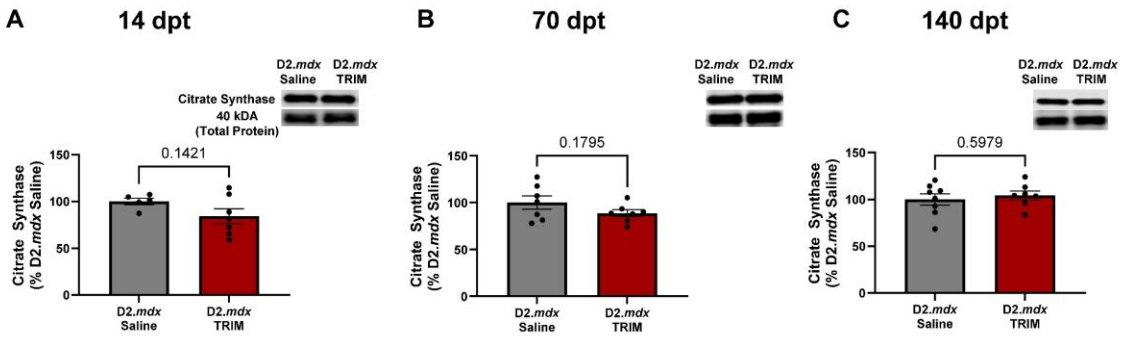
Supplementary Figure 1. TRIM does not affect fibrosis in D2.*mdx* mice. At 14 dpt, fibrotic tissue deposition is unchanged following TRIM treatment in D2.*mdx* TA muscles. (n=5); Summary values are means ± SEM. Comparisons made vs. vehicle controls by two-tailed Student's *t* test, $p<0.05$ = significant. Scale bars = 200 µm

Supplementary 2

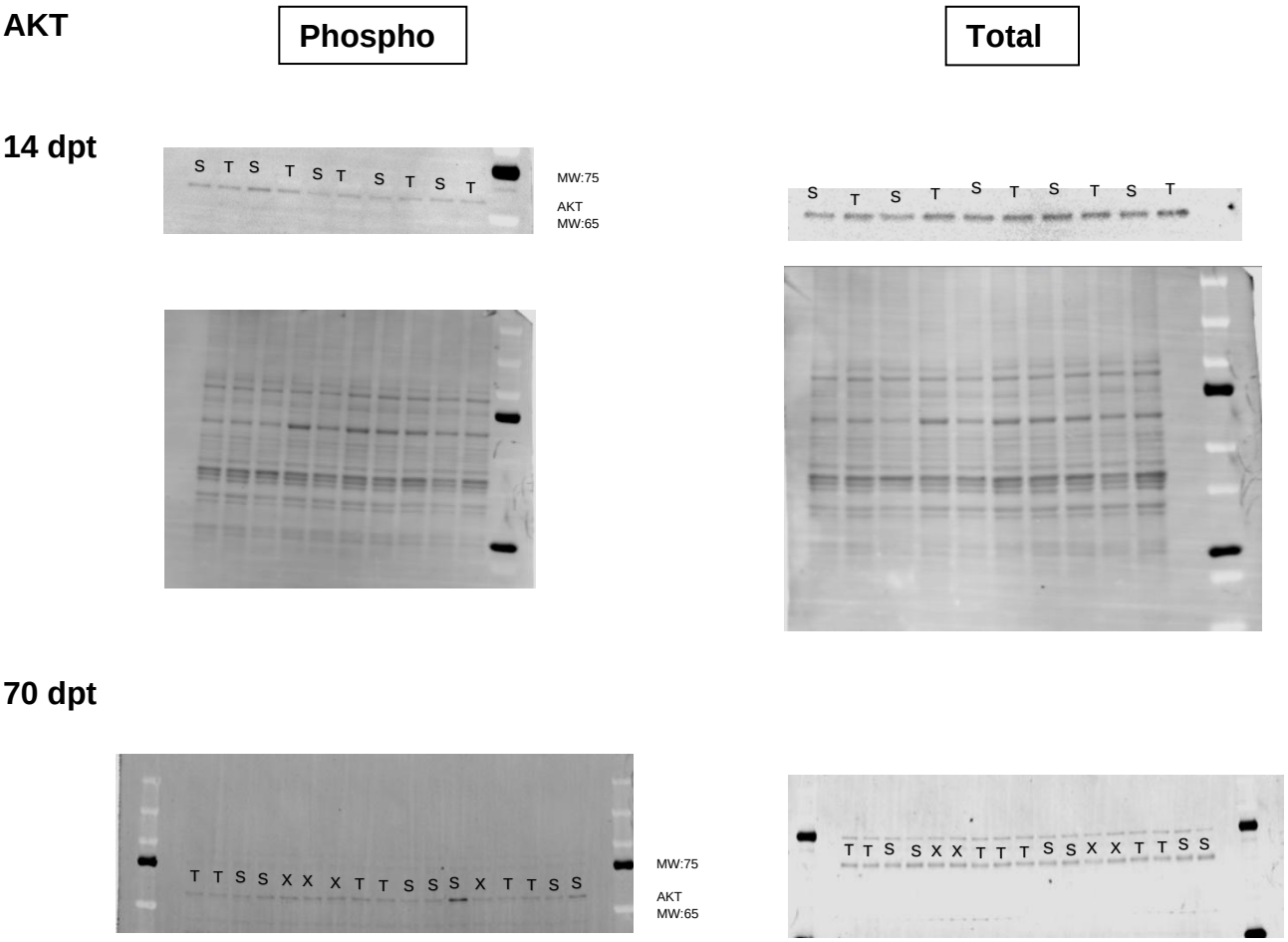


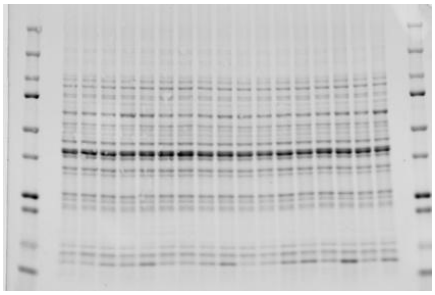
Supplementary Figure 2. *D2.mdx* mice do not express myosin heavy chain type I muscle fibers in the TA muscle. TRIM does not alter fiber type composition. (n=5-8/group); Summary values are means ± SEM, p<0.05 = significant. Scale bars = 100 μm

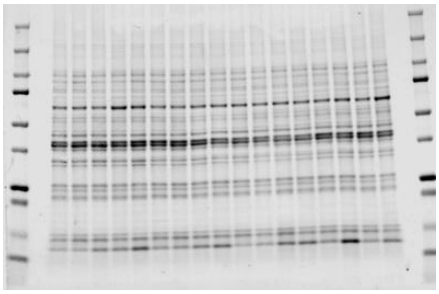
Supplementary 3



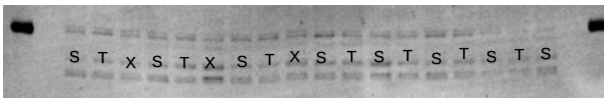
Supplementary Figure 3. Mitochondrial volume is unaffected following TRIM treatment. A-C) Representative immunoblots (top) of citrate synthase abundance and mean densitometric data (bottom) at A) 14 dpt, B) 70 dpt, and C) 140 dpt. (n=5-8); Summary values are means ± SEM. Comparisons made vs. vehicle controls by two-tailed Student's *t* test, p<0.05 = significant.





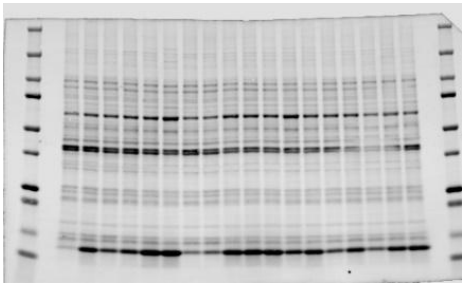


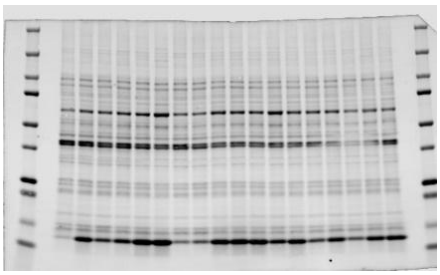
140 dpt



MW:75

AKT
MW:65



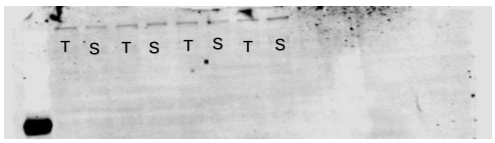


mTOR

Phospho

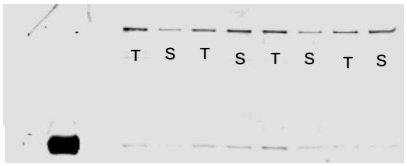
Total

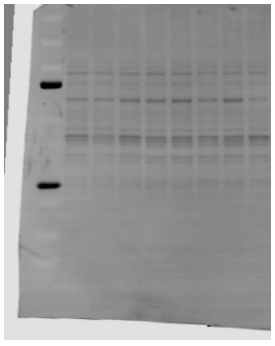
14 dpt

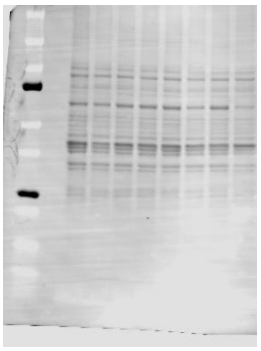


mTOR MW: 289

MW:75



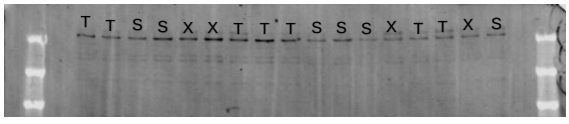


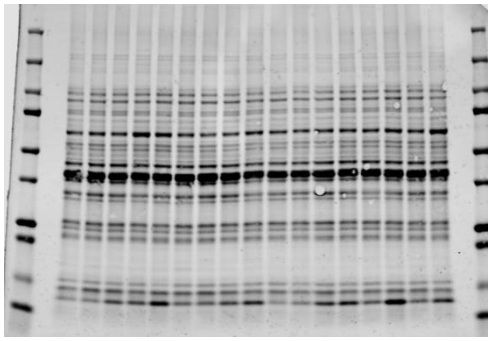


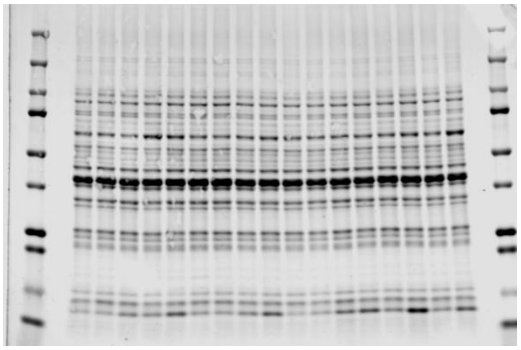
70 dpt

mTOR MW: 289

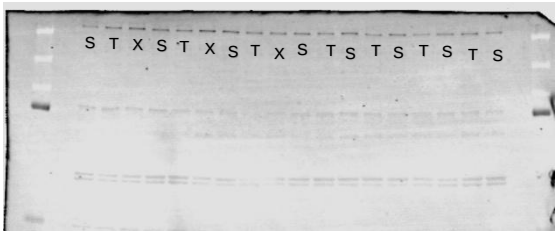
MW:250





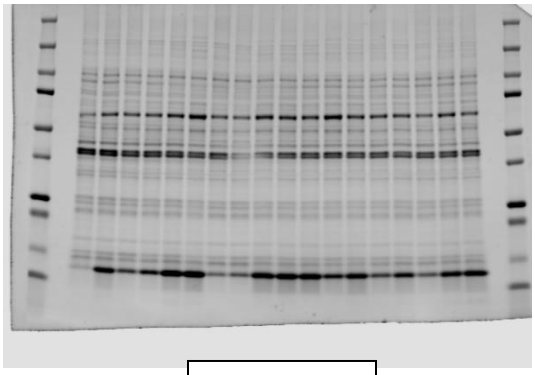


140 dpt



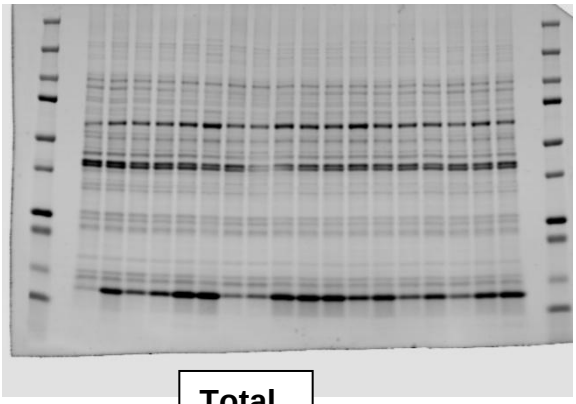
mTOR MW: 289

MW: 250



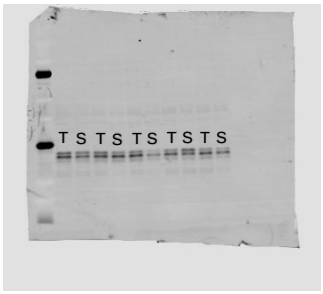
4eBP1

Phospho



Total

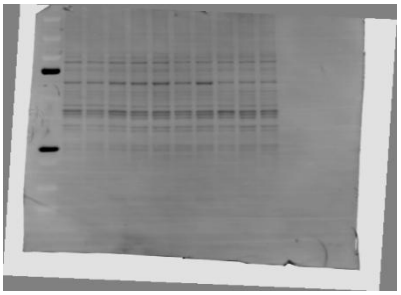
14 dpt

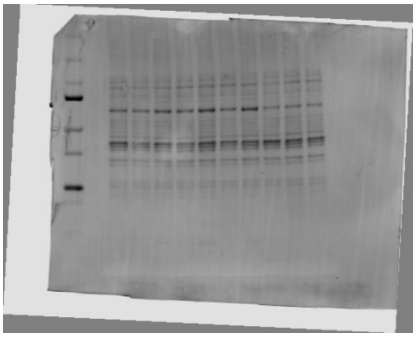


MW:25

4eBP1

MW: 20





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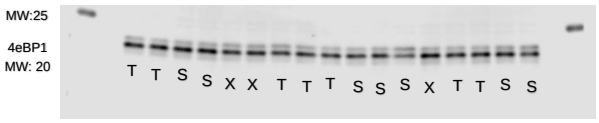

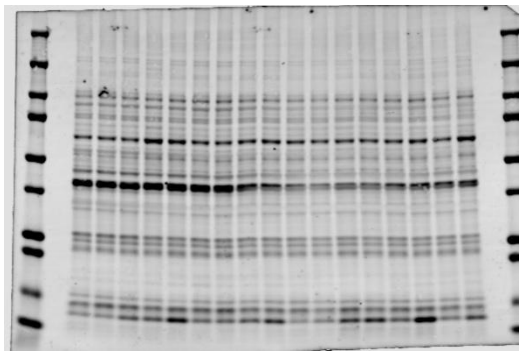

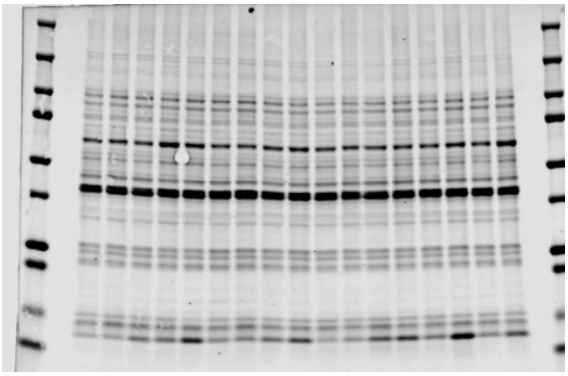

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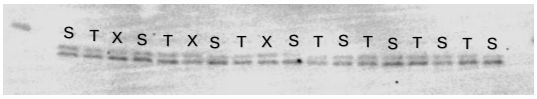
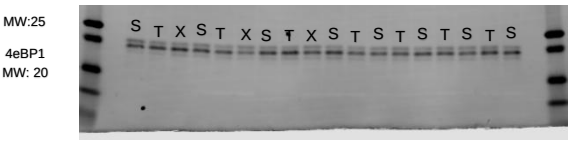
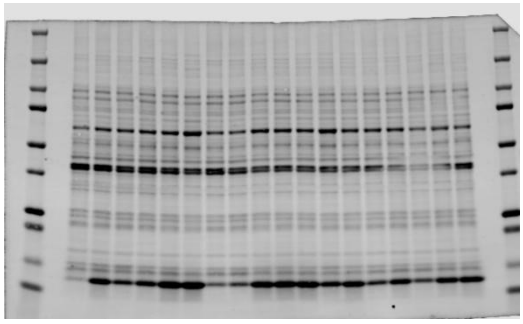
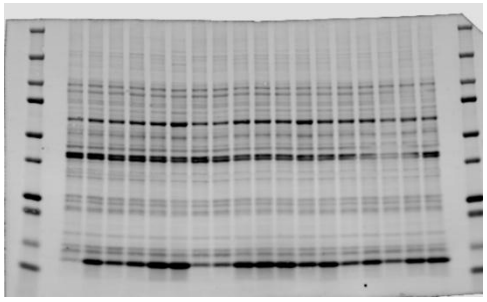


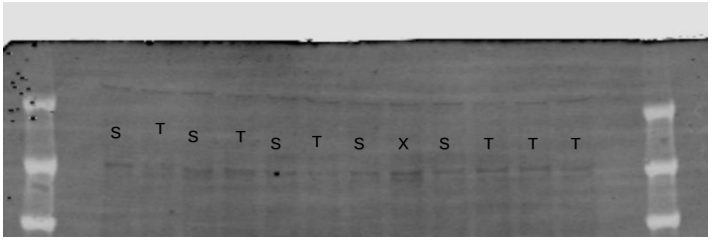


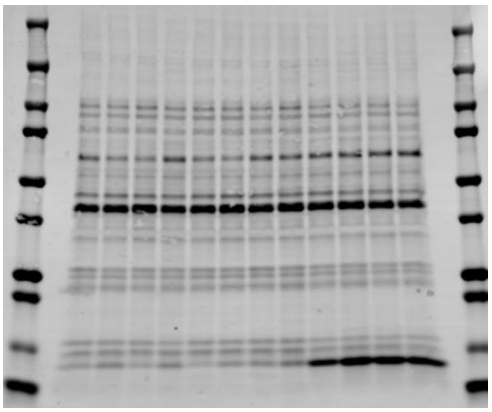




Alpha II Spectrin

14 dpt





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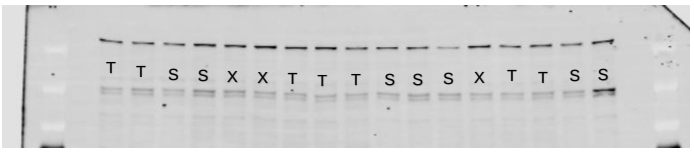

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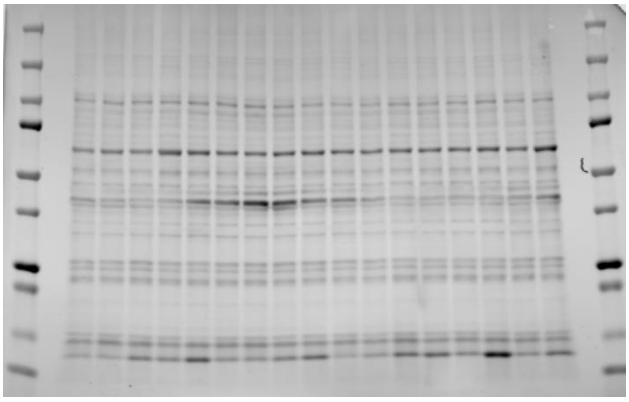
MW: 145



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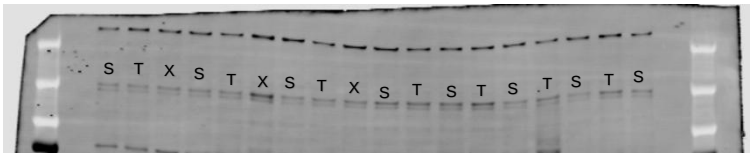

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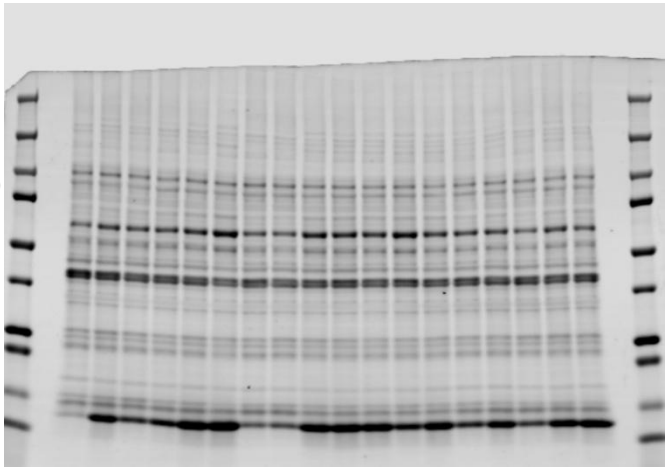

LC3B II

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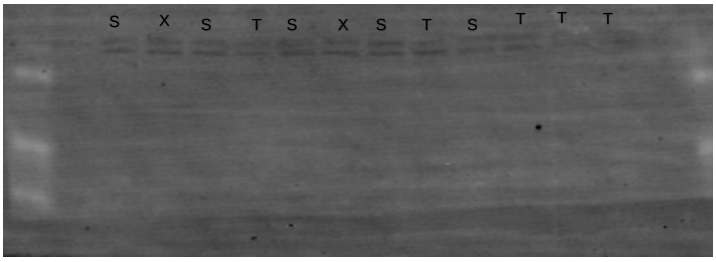

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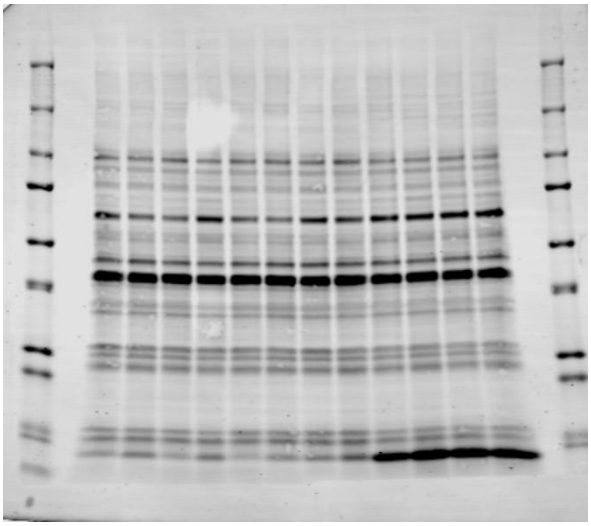
MW: 20



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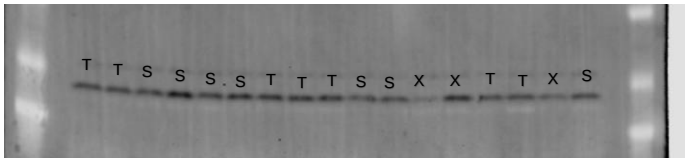

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LC3B II
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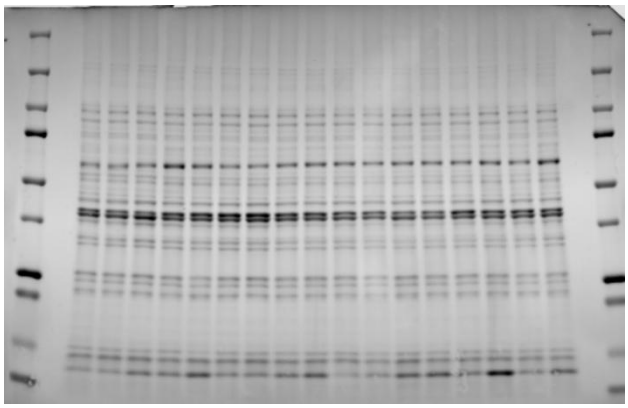

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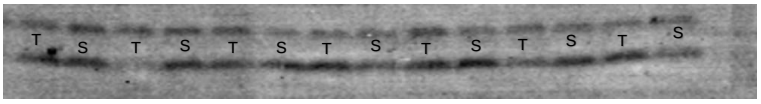

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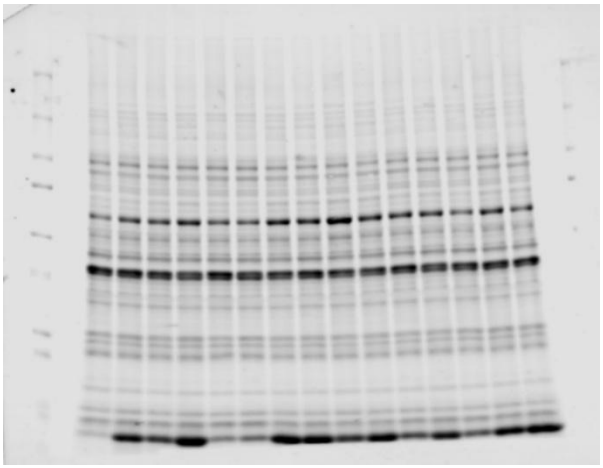


STAT3

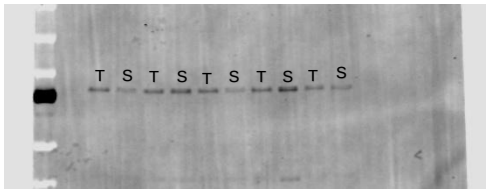
Phospho

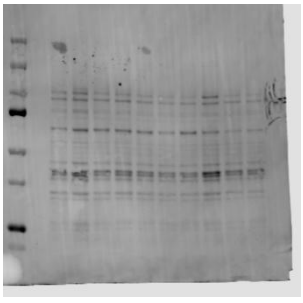
Total

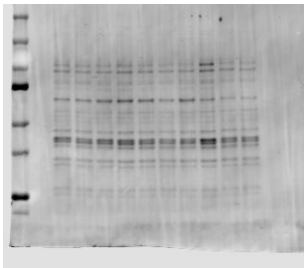
14 dpt

STAT3
MW: 79

MW: 75







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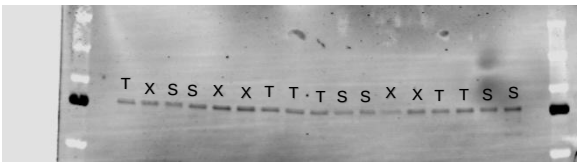

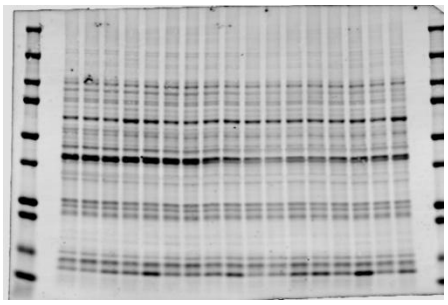

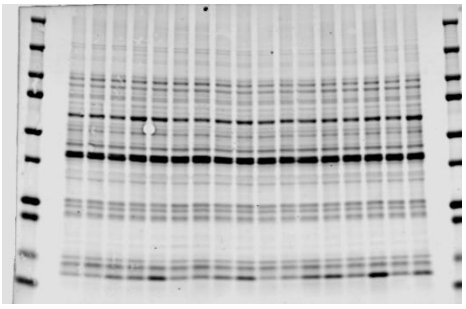

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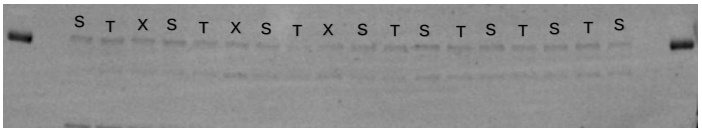

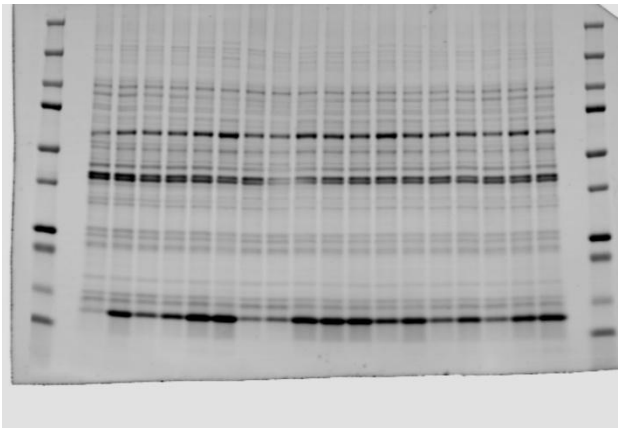

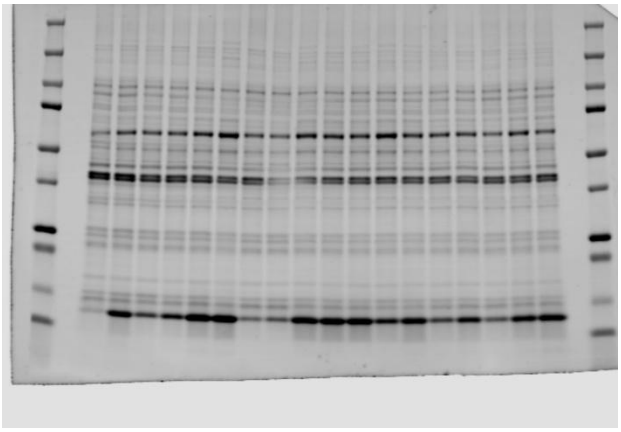

Citrate Synthase

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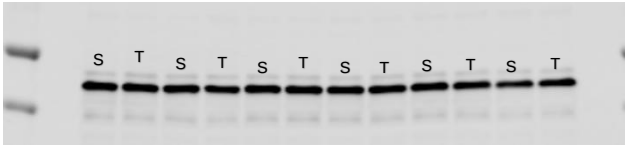

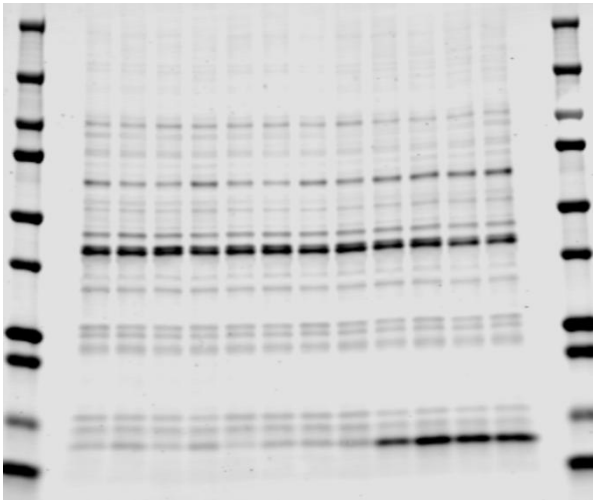

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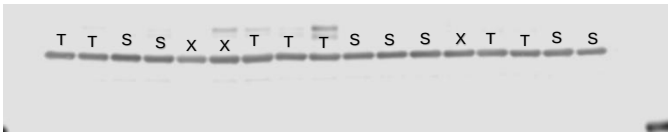
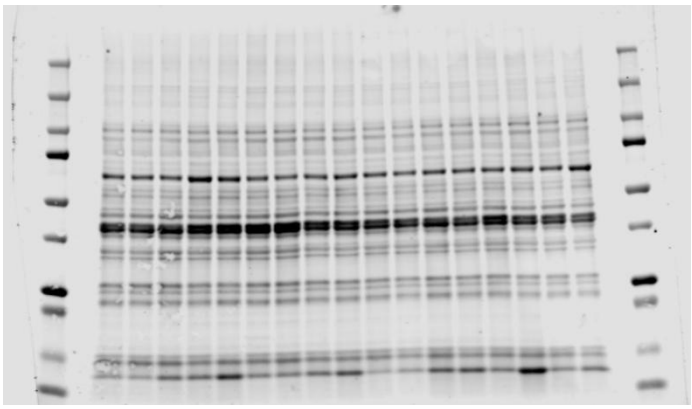


CS
MW: 52

MW: 50



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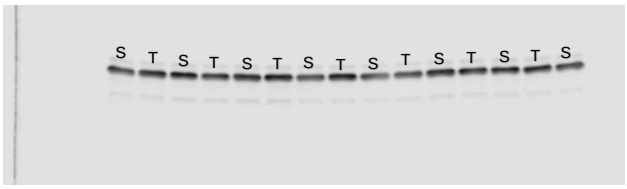
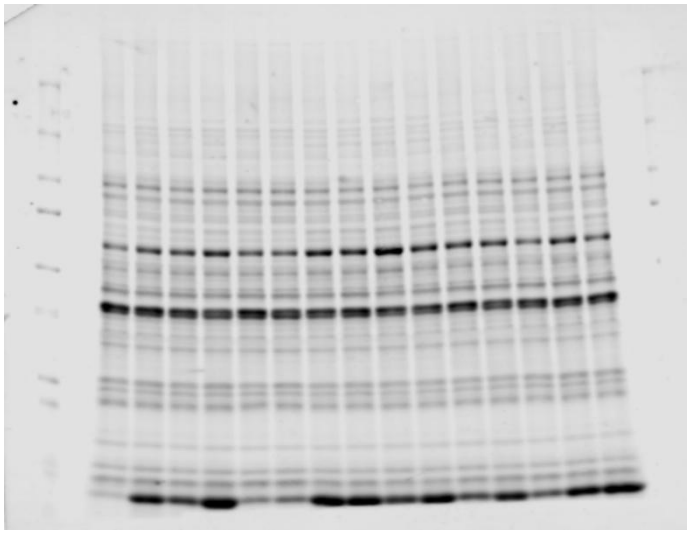
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