**Supporting information to:**

**A helminth-derived chitinase structurally similar to mammalian chitinase displays immunomodulatory properties in inflammatory lung disease.**

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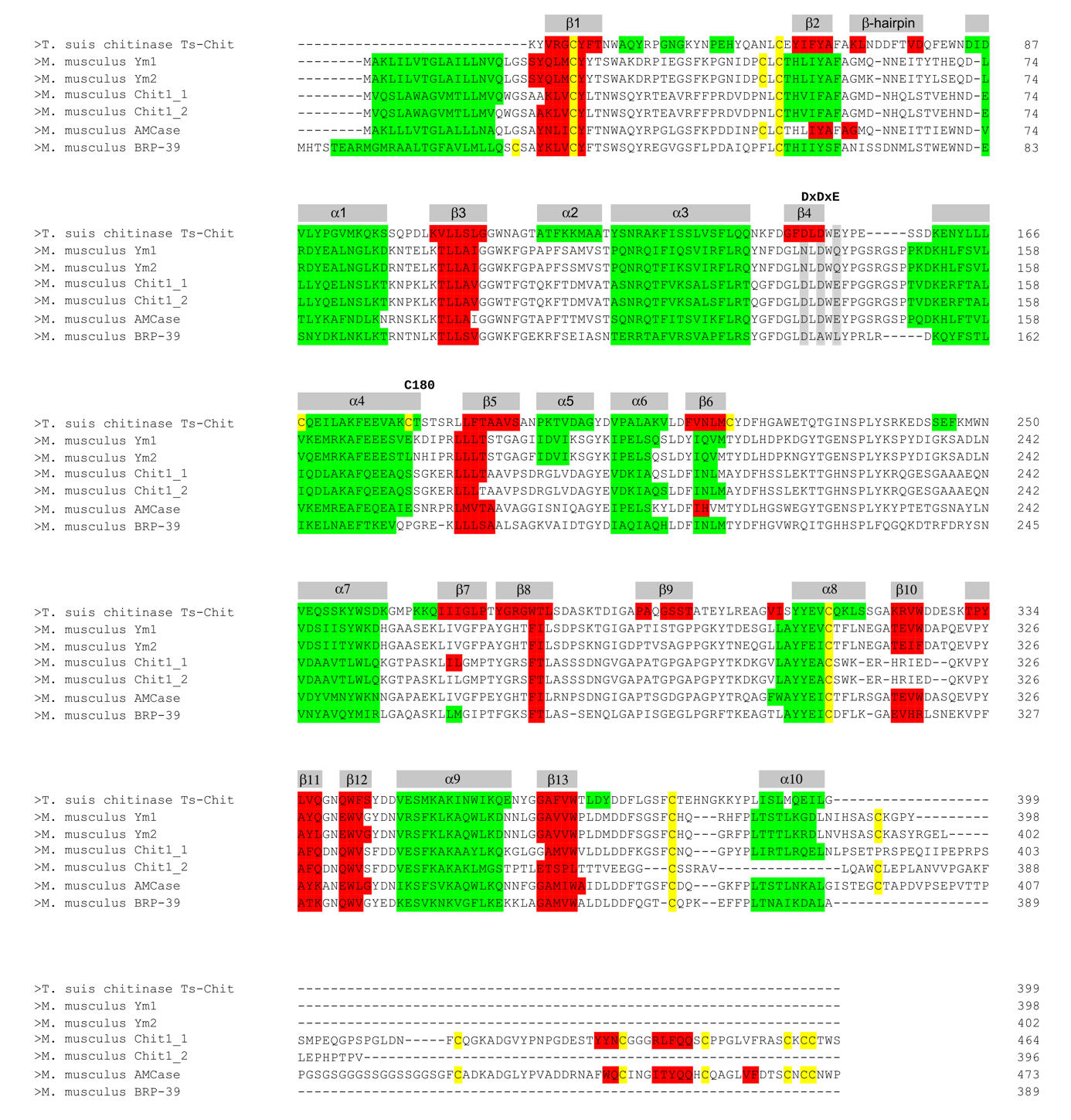
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**Supplementary Information S2**

** S2. Comparison of topology and secondary structure elements of *T. suis* chitinase with mouse chitinases and chitinase like proteins (CLPs).** Structure-based amino acid sequence alignment of *T. suis* chitinase (*Ts*-Chit) with murine Ym1 (*Chil3*), Ym2 (*Chil4*), chitotriosidase isoforms 1 & 2 (*Chit1\_1, Chit1\_2*), AMCase (*Chia*)and BRP-39 (*Chil1*). Secondary structure elements were predicted and visualized with PSIPRED [1] and SBAL [2], indicating -helices in green, -strands in red and cysteines in yellow. The top line shows the annotation with secondary structure elements observed in the crystal structure of *Ts*-Chit and the catalytic motive DxDxE.

**References**

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