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Auxin Action in a Cell-Free System

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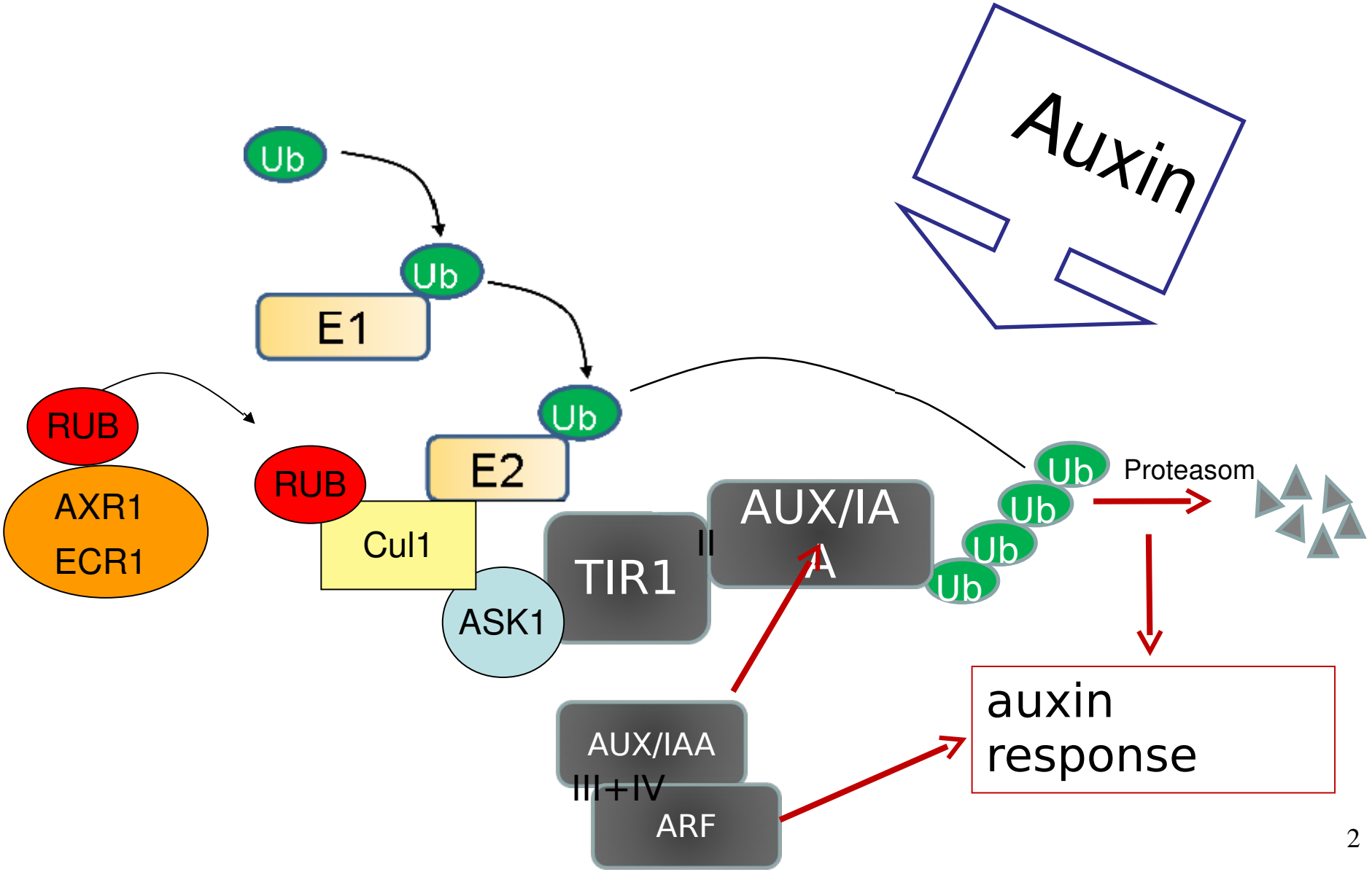
Vortrag: Marco Hampel
Hannes Becher

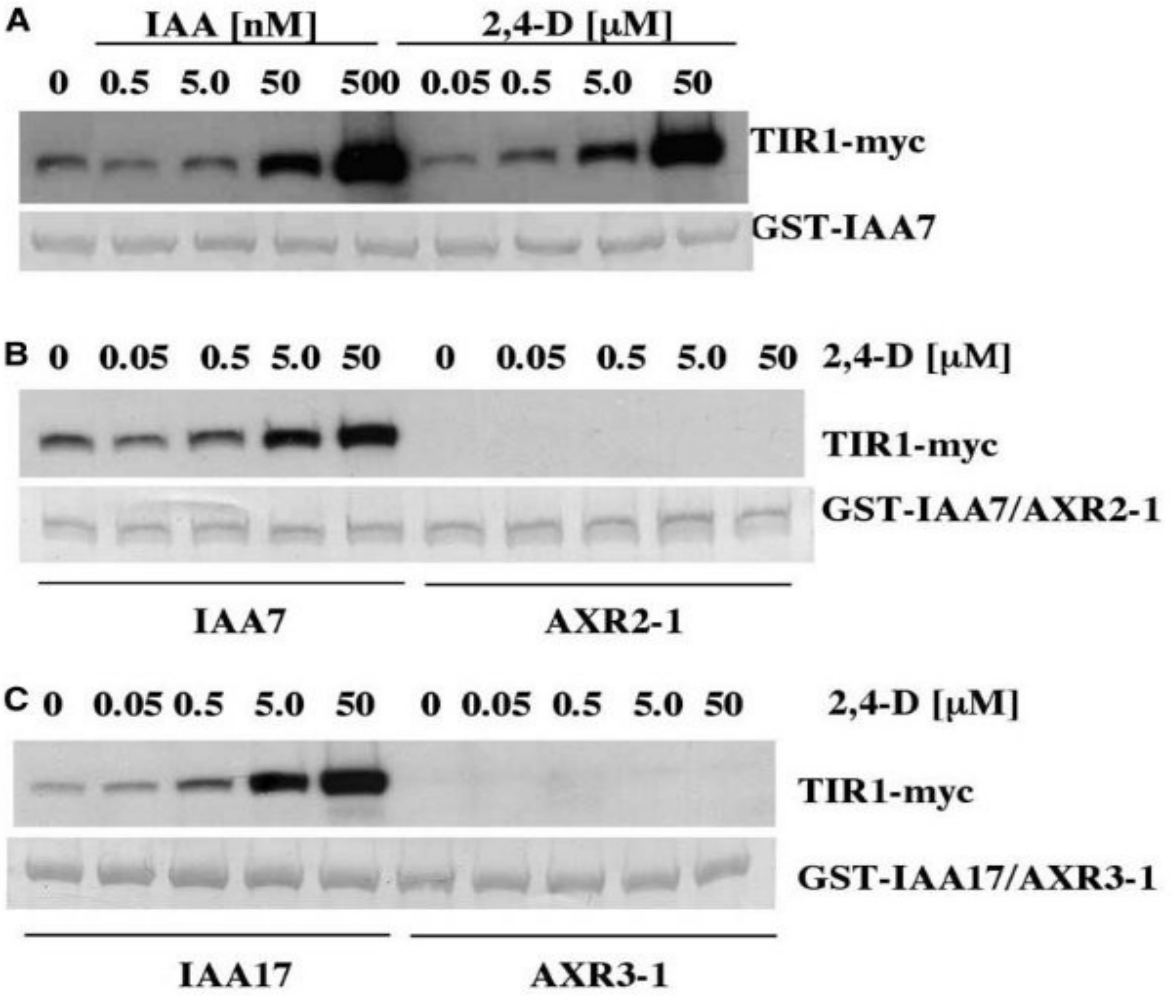
Was bekannt ist



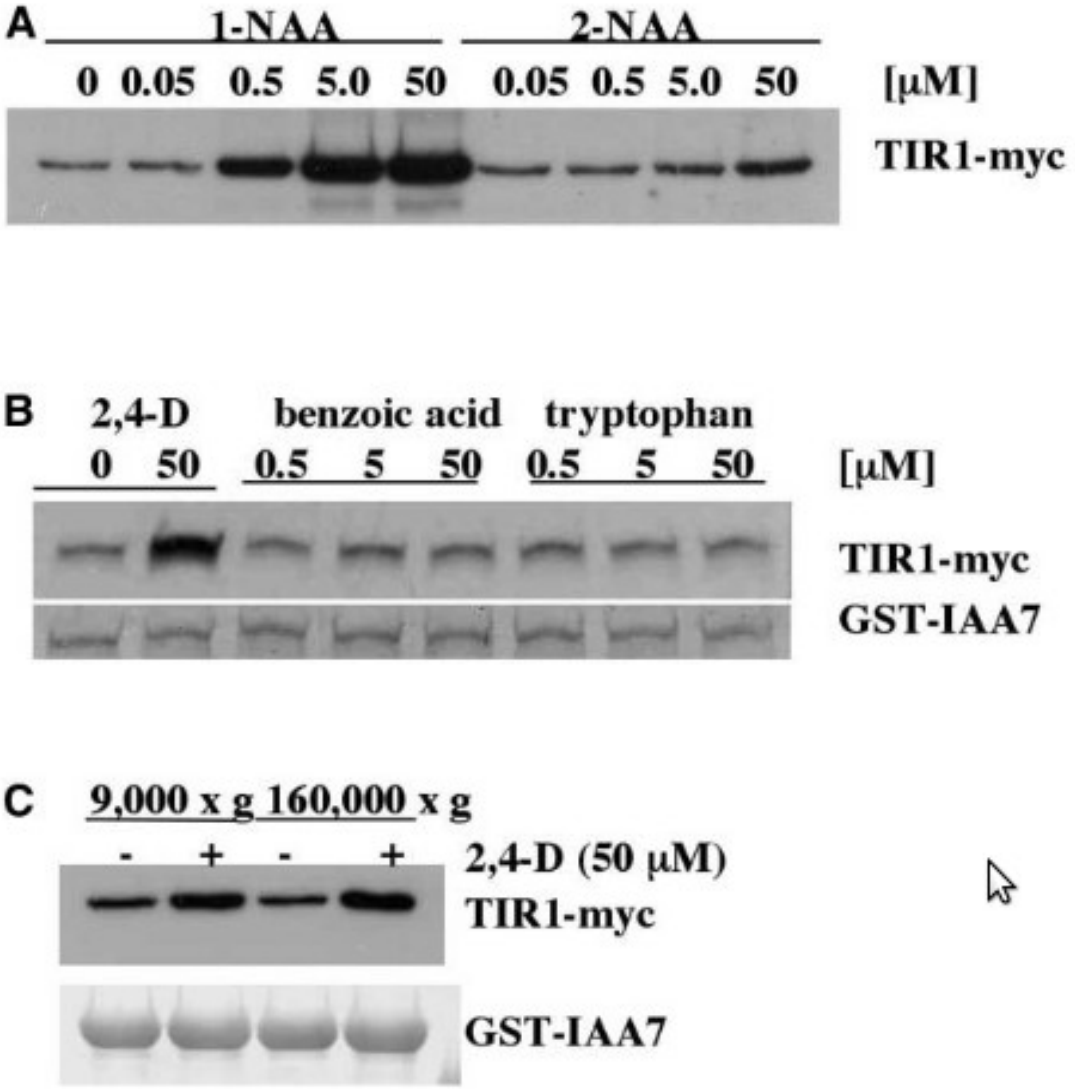
Ergebnisse des Papers

- Auxin fördert Interaktion zwischen SCF^{TIR1}-Komplex und Aux/IAA im zellfreien System
  → **löslicher Rezeptor**
- (De-)Phosphorylierung hat keinen Einfluss auf diese Interaktion
- Peptidyl-Prolyl-Isomerase-Inhibitor verhindert Interaktion

Fördert Auxin die SCF^{TIR1}-Aux/IAA-Interaktion?



Spezifität der Auxinantwort



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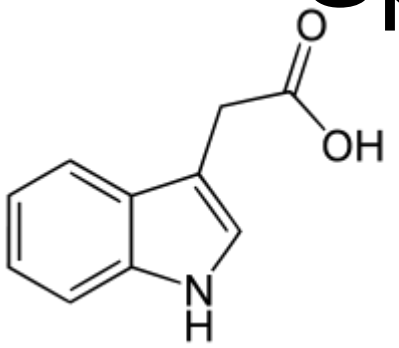
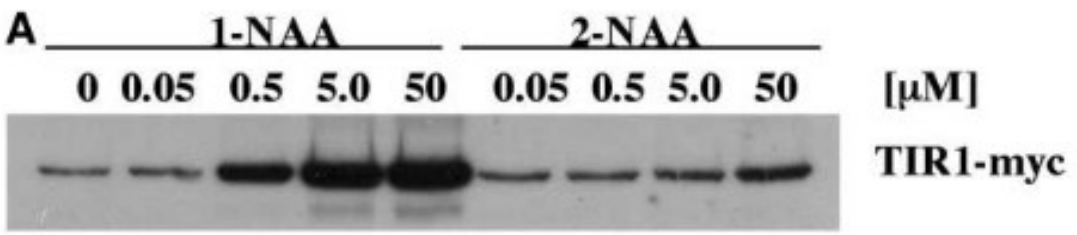
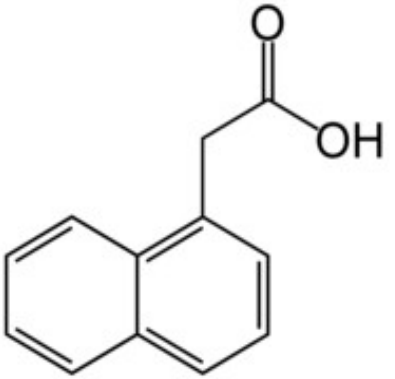
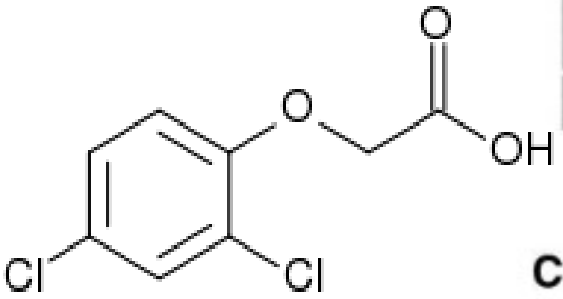


IAA

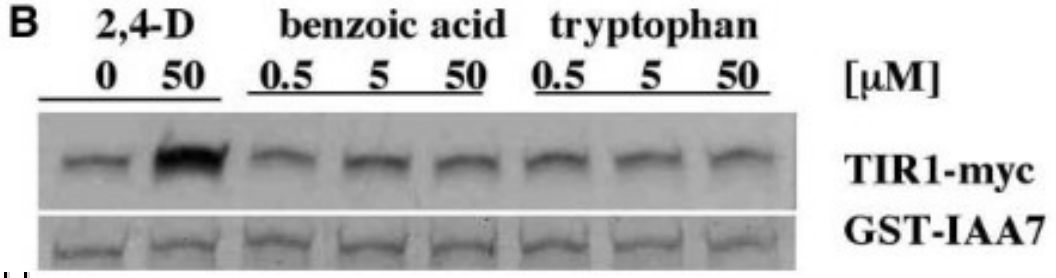


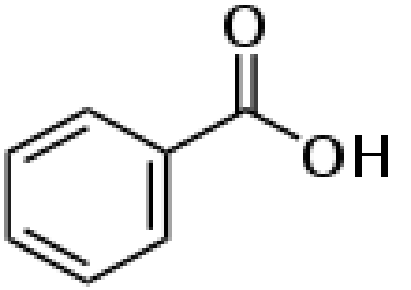


1-NAA

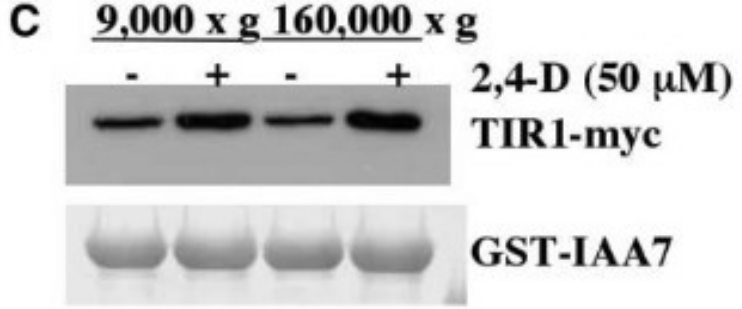


2,4-D

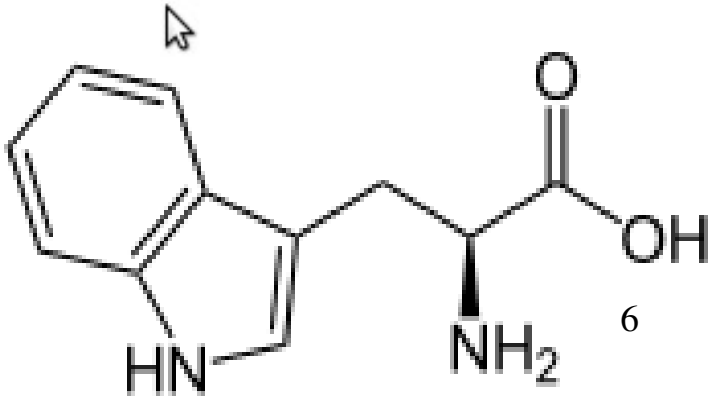




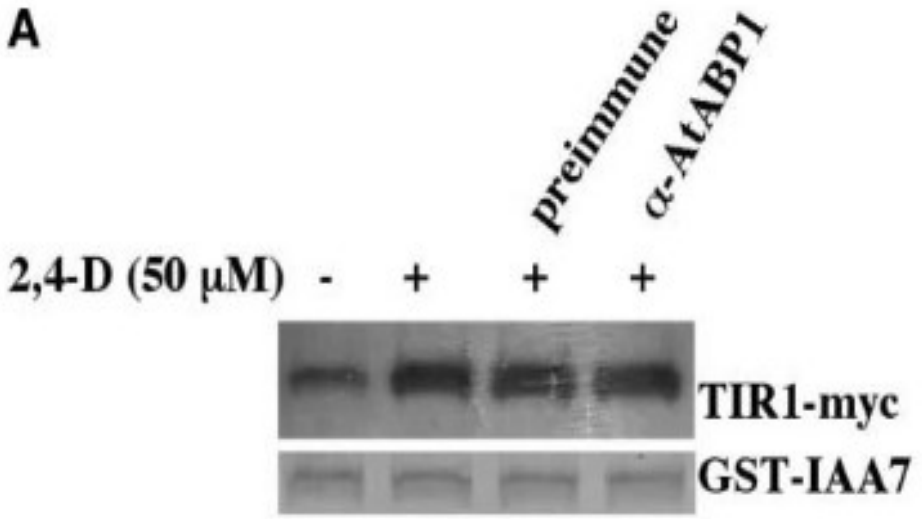
Benzoesäure

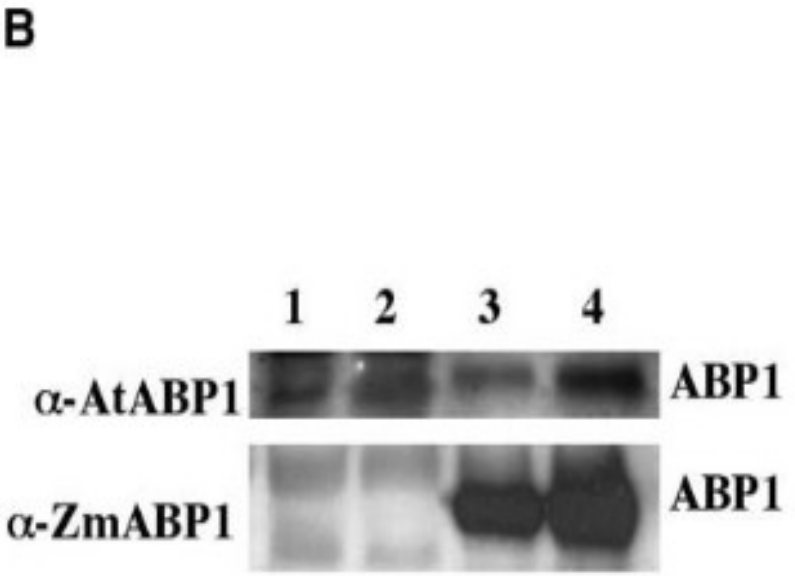


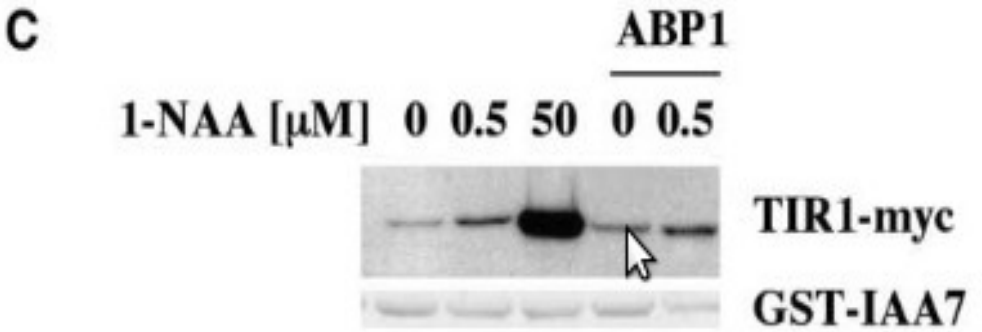
Tryptophan →



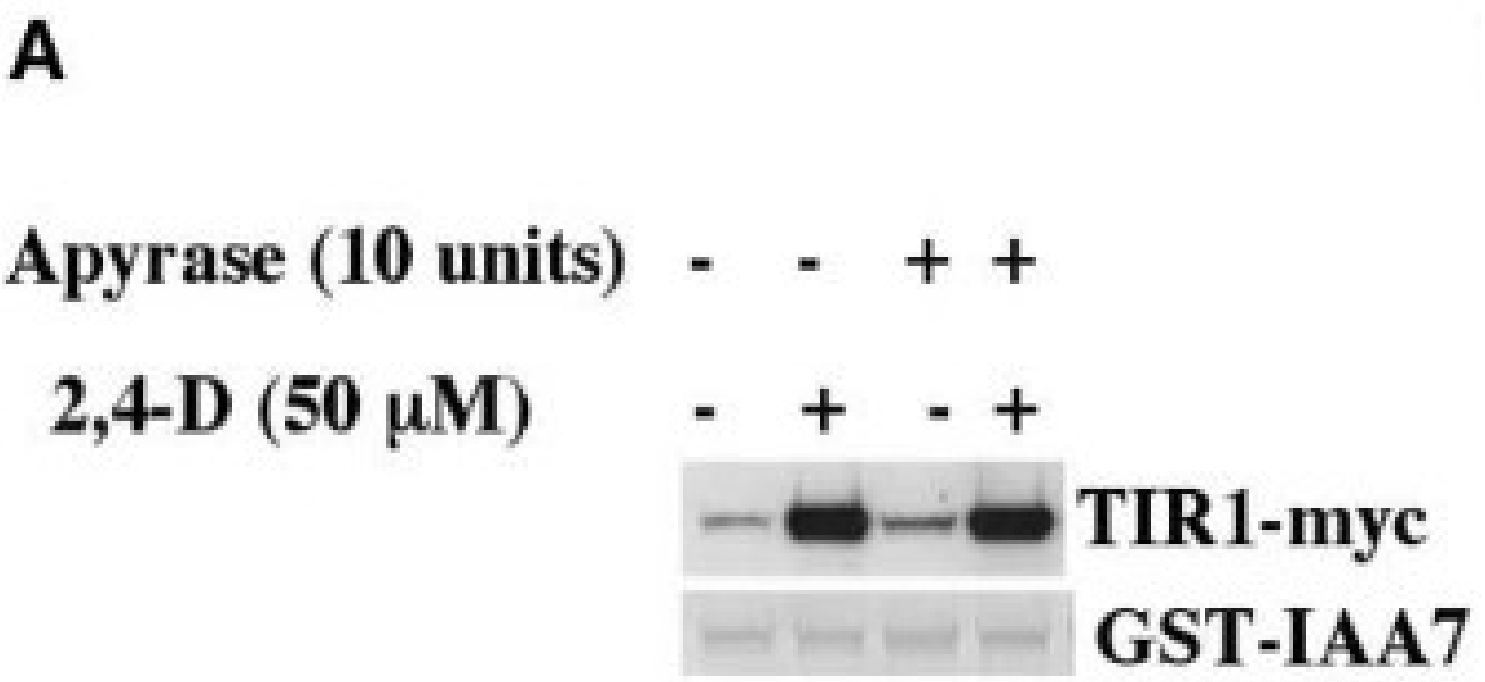
Einfluss von ABP1 auf Interaktion



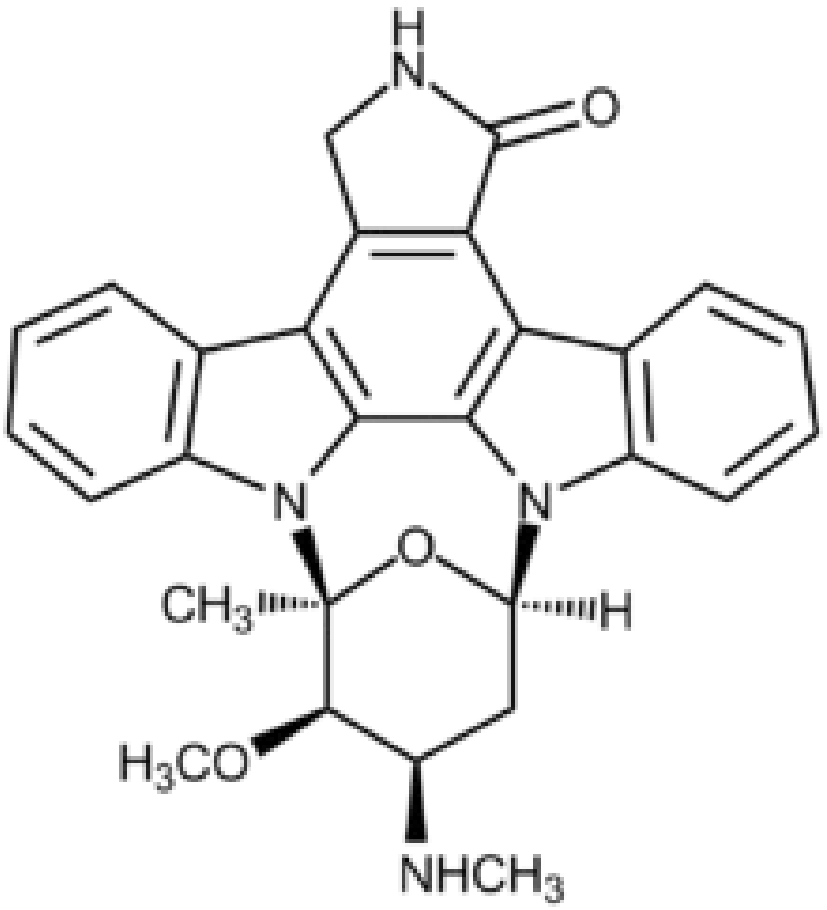




Ist die Auxinantwort ATP-abhängig?

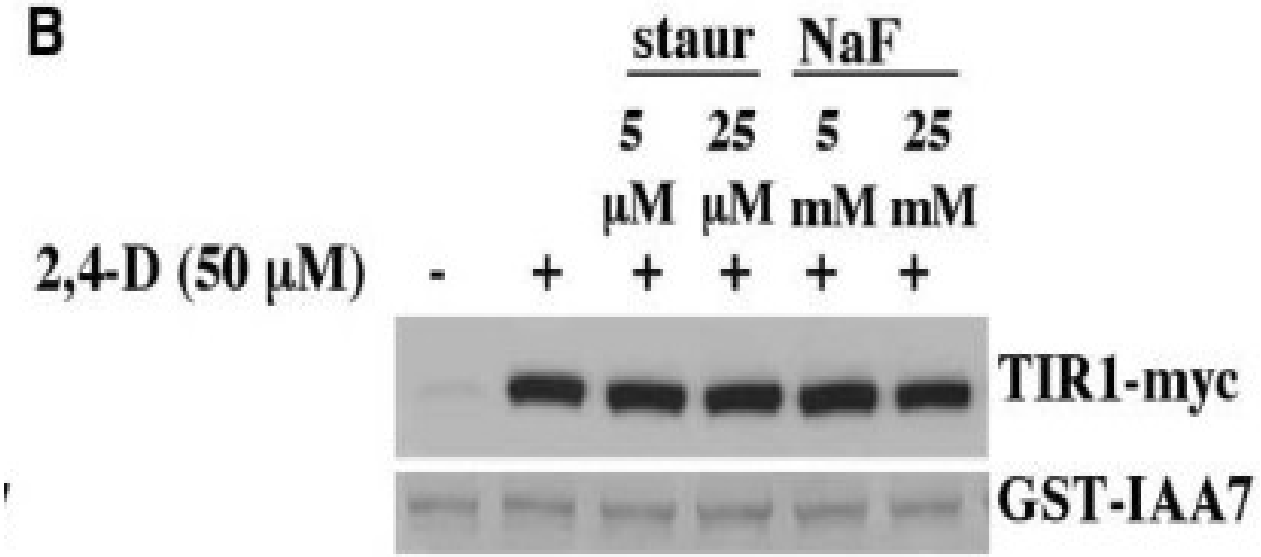


...oder von Phosphorylierung?

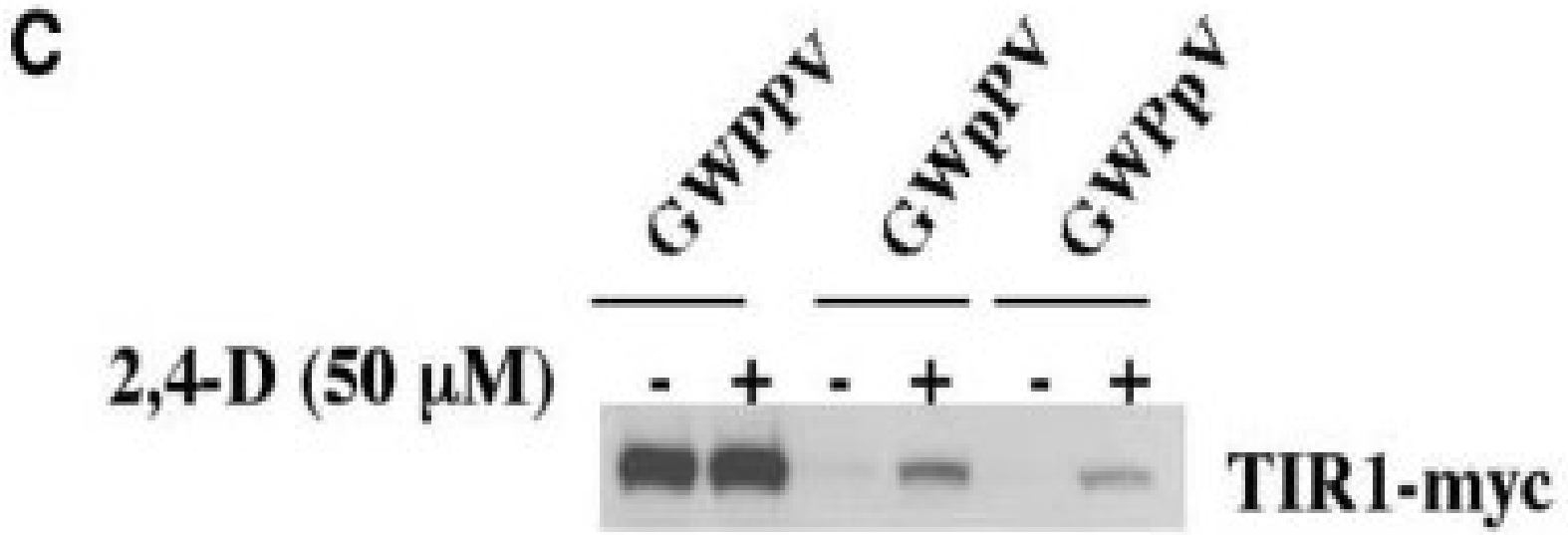


Staurosporin

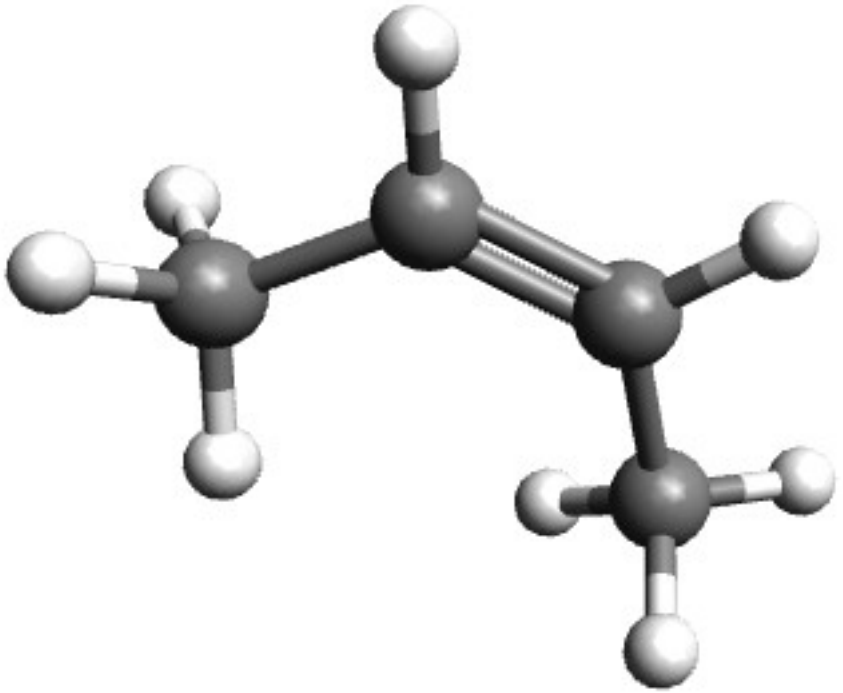
...oder von Phosphorylierung?

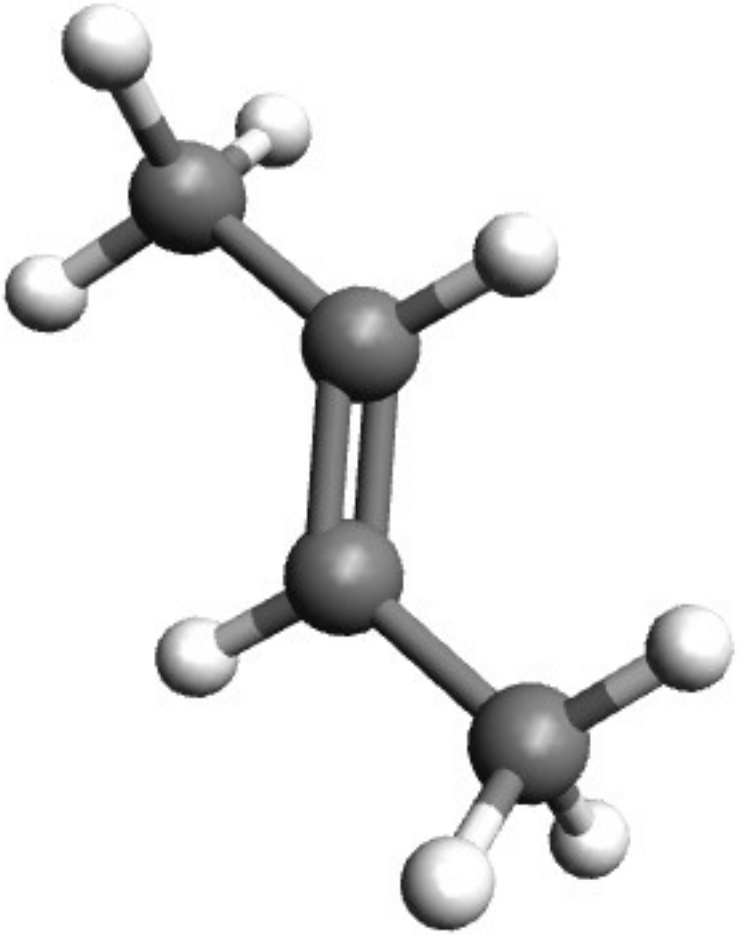


...oder von Hydroxylierung?

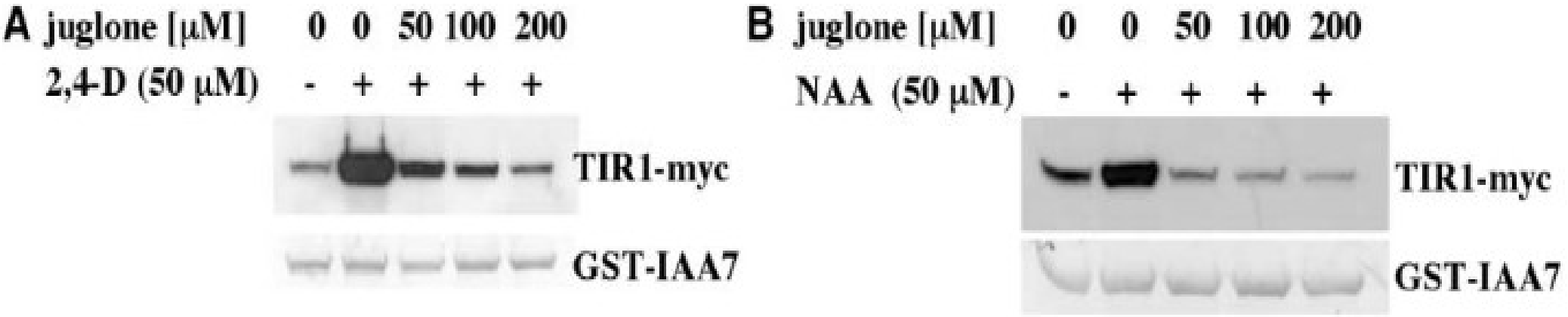


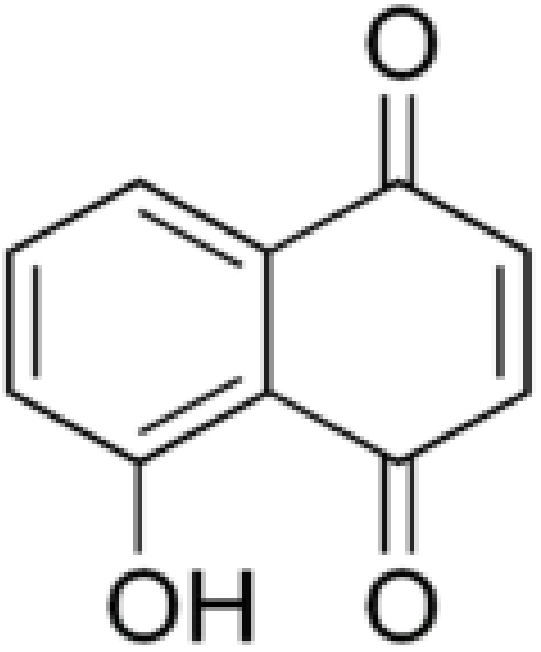
PPI und cis/trans-Isomerie



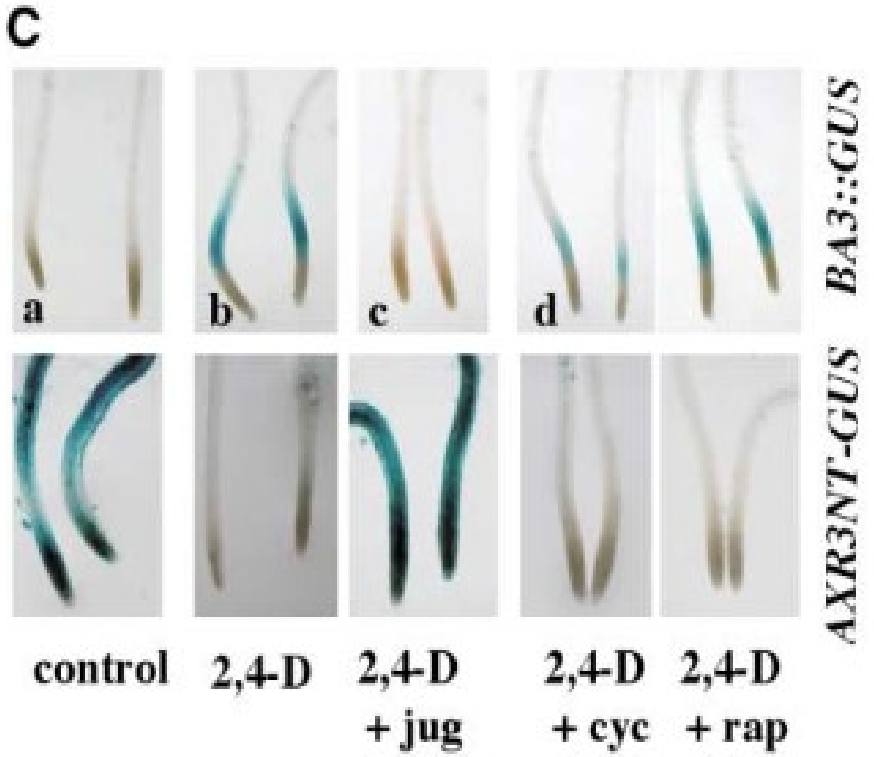


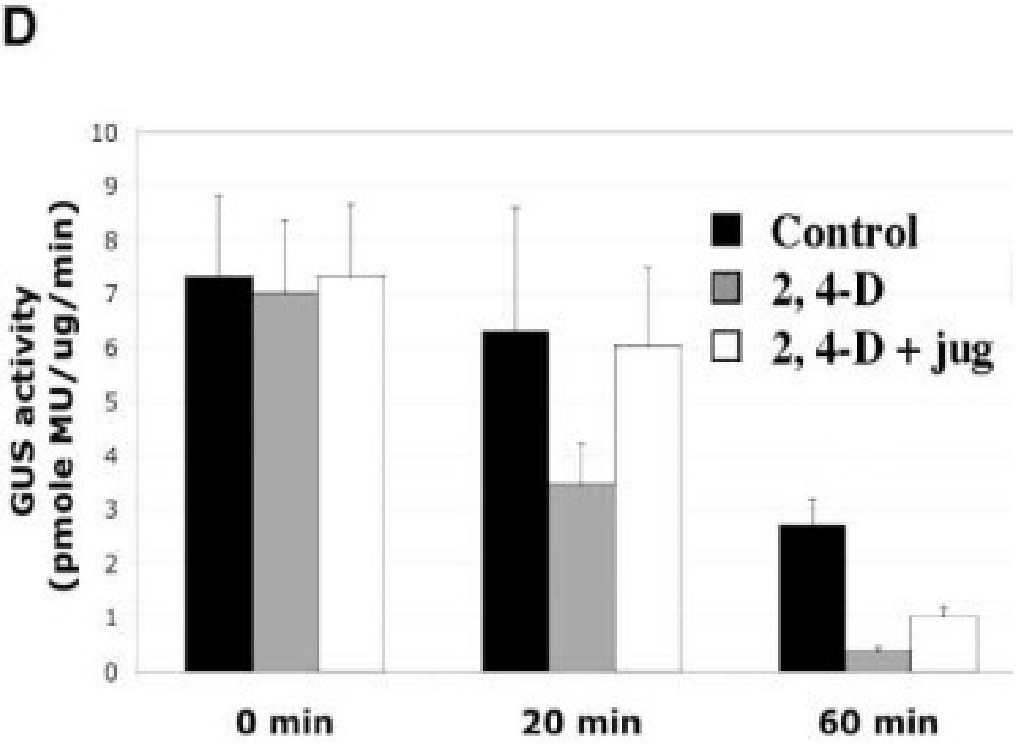
Juglon (PPI-Hemmer) hemmt Auxinantwort





In vivo-Versuche





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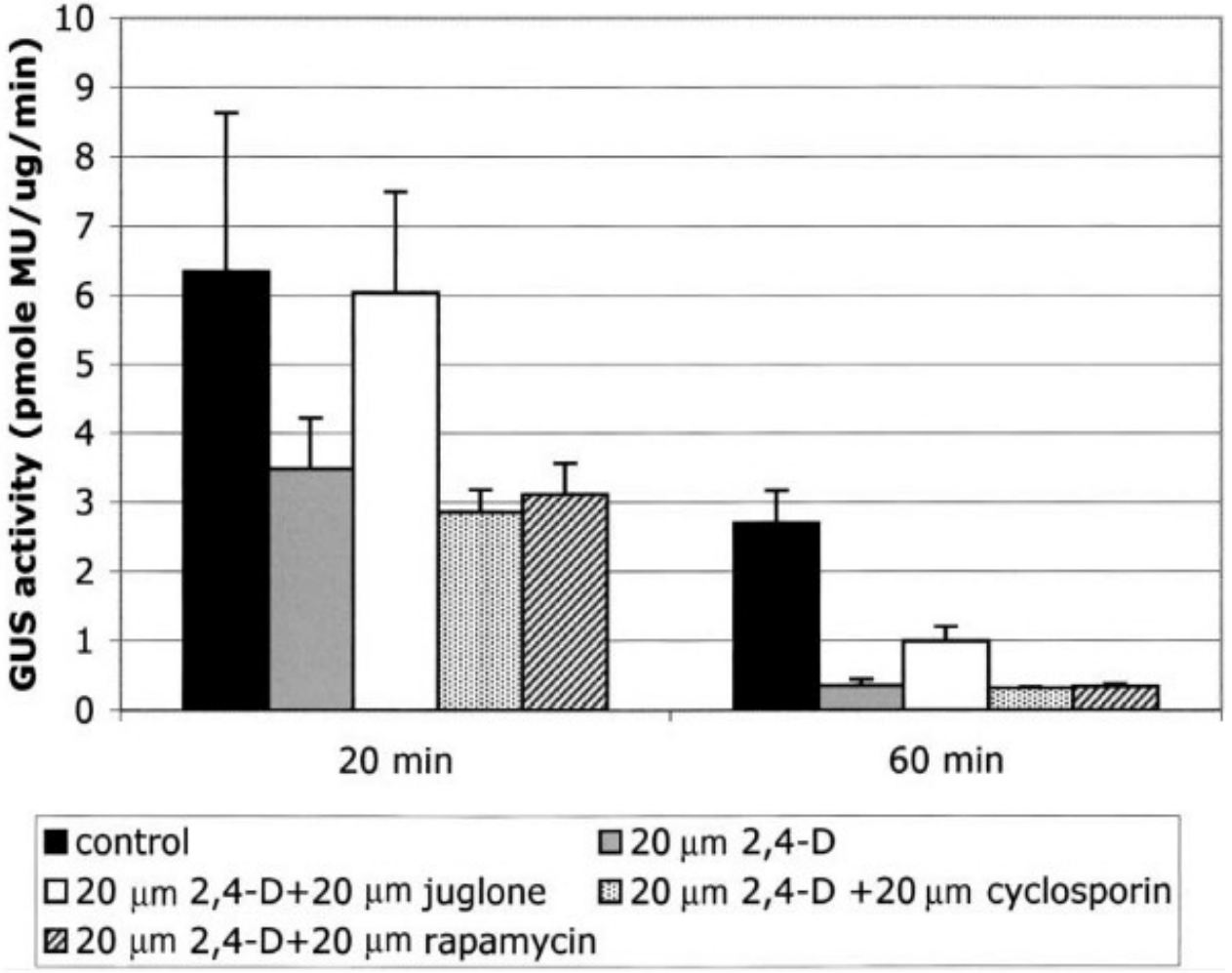

Neues Modell