

In vivo transfection of Cotesia plutellae bracovirus protein tyrosine phosphatases PTPs into the hemocytes of late fourth instar Spodoptera exigua (Insecta, Lepidoptera).

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Introduction:

We did not use any cell line that's because our main target was to introduce DNA or dsRNA into the cells in vivo.

Experimental procedures / transfection protocol:

Briefly, 0.5 microgram of DNA or dsRNA was mixed with 3 microlitres of Metafectine PRO and incubated at room temperature for 20 minutes then injected to late fourth instar *Spodoptera exigua* larvae. 36 hours post transfection, DNA expression or knock down was analysed by RT-PCR.

Results and discussion:

We got a transfection efficiency of about 60%.

Please also refer to the publications "Transient expression of protein tyrosine phosphatases encoded in *Cotesia plutellae* bracovirus inhibits insect cellular immune responses" and "Transient expression of an EP1-like gene encoded in *Cotesia plutellae* bracovirus suppresses the hemocyte population in the diamondback moth, *Plutella xylostella*" that you find under the menu item "Publications"