# Article information:

The auxin-responsive GH3 gene family in rice (Oryza sativa) | SpringerLink  
<https://link.springer.com/article/10.1007/s10142-005-0142-5>

# Article summary:

1. Auxin-responsive genes play a critical role in regulating plant responses, and have been grouped into three major classes: Aux/IAA, SAUR, and GH3.

2. The GH3 gene family is represented as a multigene family in the Arabidopsis genome comprising of 20 members, many of which are induced by exogenous application of auxin.

3. Light also regulates the transcript levels of Arabidopsis GH3 genes through phytochromes A and B, with FIN219 identified as a crucial component in photomorphogenesis.

# Article rating:

May be slightly imbalanced: The article presents the information in a generally reliable way, but there are minor points of consideration that could be explored further or claims that are not fully backed by appropriate evidence. Some perspectives may also be omitted, and you are encouraged to use the research topics section to explore the topic further.

# Article analysis:

作为一篇科学论文，该文章并没有明显的偏见或宣传内容。然而，它可能存在一些片面报道和缺失的考虑点。例如，文章只提到了GH3基因家族在植物中的作用，但没有探讨其可能的负面影响或风险。此外，文章也没有平等地呈现双方观点，而是只关注了GH3基因家族的积极作用。

此外，文章提出了一些主张，但未提供足够的证据来支持这些主张。例如，在介绍Aux/IAA类早期生长素响应基因时，文章声称这些基因已经被从不同植物物种中鉴定和表征。然而，文章并未提供任何具体的例子或参考文献来支持这个主张。

总之，尽管该文章并没有明显的偏见或宣传内容，但仍存在一些片面报道、缺失考虑点和未提供足够证据支持某些主张等问题。

# Topics for further research:

* Negative effects of GH3 gene family
* Risks associated with GH3 gene family
* Different perspectives on GH3 gene family
* Evidence for identification and characterization of Aux/IAA genes
* Limitations of the article's claims
* Unaddressed considerations in the article

# Report location:

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