

Welcome Niklaus Ammann

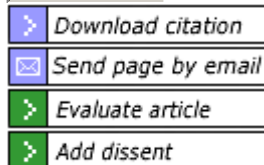


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F1000 Factor 6.0

EndNote



### Reef-coral proteins as visual, non-destructive reporters for plant transformation.

Wenck A, Pugieux C, Turner M, Dunn M, Stacy C, Tiozzo A, Dunder E, van Grinsven E, Khan R, Sigareva M, Wang WC, Reed J, Drayton P, Oliver D, Trafford H, Legris G, Rushton H, Tayab S, Launis K, Chang YF, Chen DF, Melchers L

*Plant Cell Rep* 2003 Nov **22**(4): 244-51 [[abstract on PubMed](#)] [[citations on Google Scholar](#)]

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**Selected by** | Niklaus Ammann

Evaluated 23 Sep 2003

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## Faculty Comments

### Faculty Member

#### Niklaus Ammann

University of Berne, Switzerland  
PLANT BIOLOGY



### Comments

**Five novel fluorescent proteins, AmCyan, AsRed, DsRed, ZsGreen and ZsYellow are found to be valuable as reporters for transformation because they do not require a substrate or external co-factor to emit fluorescence and can be tested in vivo without destruction of the tissue under study.** The markers were tested in maize, T1 wheat and tobacco, DsRed1 fluorescence could be detected in leaf in both wheat and tobacco seedlings and plant growth was normal compared to untransformed controls. Not only will these proteins find use in transformation studies, but they will be useful for other fields such as research into virally induced gene silencing studies where fluorescent markers have become an integral part of the work.

Evaluated 23 Sep 2003

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## Faculty Comments

### How to cite the Faculty of 1000 Biology evaluation(s) for this paper

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Faculty of 1000 Biology: evaluations for Wenck A et al *Plant Cell Rep* 2003 Nov 22 (4) :244-51  
<http://www.f1000biology.com/article/id/1012200/evaluation>

#### 2) To cite an evaluation by a specific Faculty member:

Niklaus Ammann: Faculty of 1000 Biology, 23 Sep 2003 <http://www.f1000biology.com/article/id/1012200/evaluation>

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