

**To:** [REDACTED]  
**Cc:** Jeevacation[jeevacation@gmail.com]  
**From:** Martin Nowak  
**Sent:** Tue 11/16/2010 6:09:43 PM  
**Subject:** Re:

and i can set it to the most beautiful  
and transcendent music  
yet written

On Nov 16, 2010, at 10:46 AM, [REDACTED] wrote:

> defection is not necessarily bad. we think it's bad because locally  
> every species wants to preserve the status quo. but in the long run  
> defection might be necessary to lead to evolvability and complexity.  
> that's why after billions of years of evolution we still retain  
> within ourselves the ability to defect.  
>  
> so i think the right question is not "what can we do to defend  
> ourselves against defection?" but rather "how much defection is  
> needed for evolvability?"  
>  
> c