

responses such as FR-preconditioned blocking of greening, anthocyanin accumulation, reduction of gravitropic response, and expression of the *CAB* and *CHS* genes were impaired by the *fin2-1* mutation: the degree of the mutant effect on the responses was variable. However, FR light-mediated seed germination and photoperiodic flowering responses were not affected significantly in the mutant. These results showed that FIN2 defines an upstream branch point in the PhyA signaling pathway.

We are further isolating and characterizing genetic mutants that are specifically insensitive to FR. Our recent results will be presented.