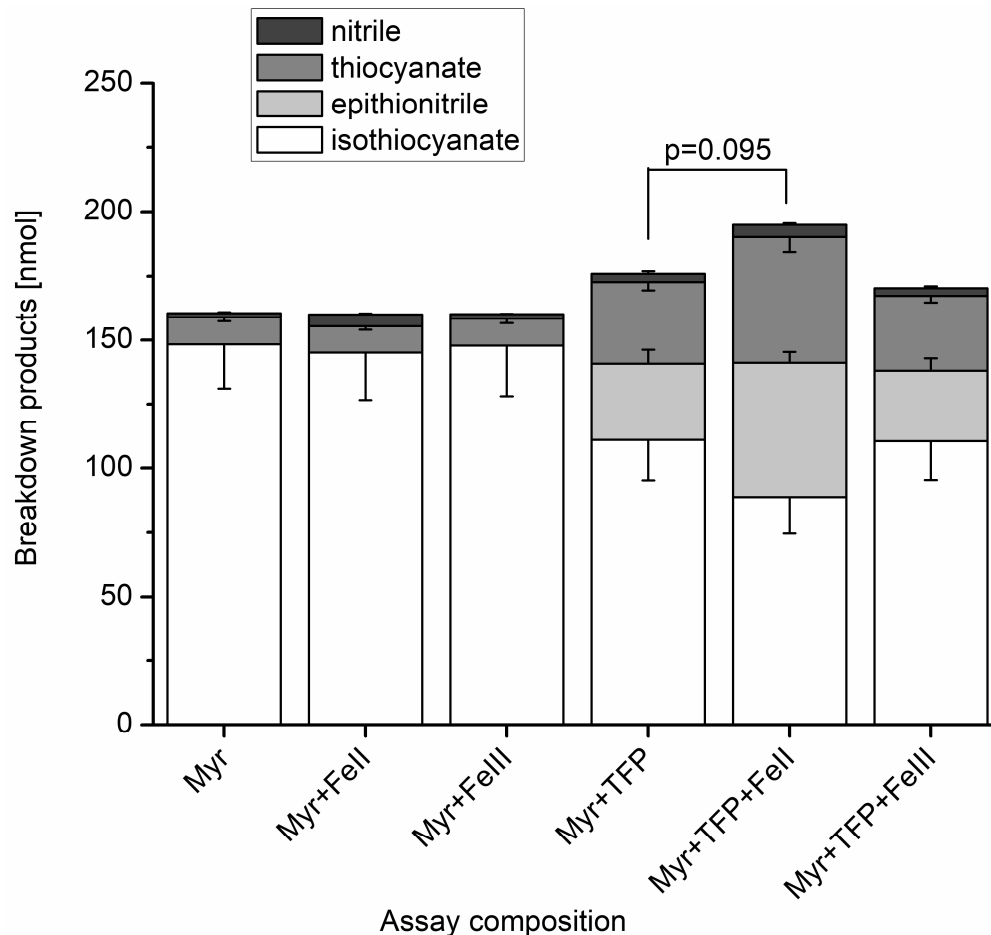


Iron is a centrally bound cofactor of specifier proteins involved in glucosinolate breakdown

Anita Backenköhler, Daniela Eisenschmidt, Nicola Schneegans, Matthias Strieker, Wolfgang Brandt, and Ute Wittstock



S3 Fig. Impact of Fe²⁺ and Fe³⁺ on product formation by myrosinase and TaTFP.

Purified TaTFP was incubated with allylglucosinolate and myrosinase in 50 mM MES buffer, pH 6.0, with or without 0.01 mM Fe²⁺ (FeII, (NH₄)₂Fe(SO₄)₂) or 0.01 mM Fe³⁺ (FeIII, NH₄Fe(SO₄)₂) for 40 min. The amount of breakdown products is given in nmol per reaction. Shown are means ± SD of N=5 independent expression experiments. The p value is given for a pairwise comparison of total amounts of product (Mann-Whitney test as errors were found to be non-normal).