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## New names of fossil *Atadinus*, *Endotropis* and *Frangula* (Rhamnaceae)

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ALEXANDER B. DOWELD

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### Abstract

Eleven fossil-species of *Rhamnus* sensu lato are re-classified in currently recognized distinct genera, *Atadinus*, *Endotropis* and *Frangula*. New combinations are validated: *Atadinus integerrimus*, *Endotropis idahoensis*, *E. moragensis*, *Frangula columbiana*, *F. deweyensis*, *F. palaeofrangula*, *F. plena*, *F. precalifornica*, *F. protocrenata*, *F. purshoides* and *F. rubyvallis*. A new fossil-species *F. priabonica* is validated instead of invalidly published *F. hordwellensis*. *Rhamnus precalifornica* is lectotypified for the first time.

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