

(https://lbbe.univ-lyon1.fr/sites/default/files/styles/img__1280x768__image_scale__crop_main/public/media/images/arton5360.jpg?itok=lgLR3qpZ)

Study of sex determination in eukaryotes 1-billion-years distant from animals and plants

Published on 25 November 2014

An international consortium involving Eugénie Pessia and Gabriel Marais (LBBE) has identified the sex determining region in the brown alga Ectocarpus. Sex determination has been so far studied essentially in animals and plants covering a small part of the eukaryotic biodiversity. Brown algae are 1 BY distant relatives of those taxa. The study of the Ectocarpus sex determining region has revealed similarities but also striking differences compared to sex determining regions of animals and plants. This work has been published as an Article in Current Biology:
Ahmed S*, Cock JM*, Pessia E*, Luthringer R, Cormier A, Robuchon M, Sterck L, Peters AF, Dittami SM, Corre E, Valero M, Aury JM, Roze D, Van de Peer Y, Bothwell J, Marais GA, Coelho SM. A Haploid System of Sex Determination in the Brown Alga Ectocarpus sp. Curr Biol. 2014 Aug 27.
*co-first authors

URL of the page: https://lbbe.univ-lyon1.fr/en/actualites/study-sex-determination-eukaryotes-1-billion-years-distant-animals-and-plants