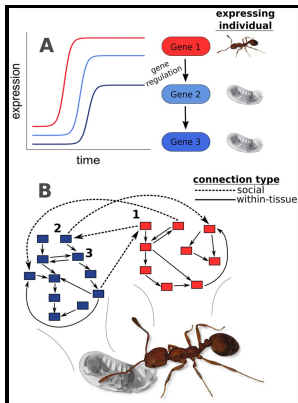


# Evolution of social insects colonies - sex allocation and kin selection

**Oxford University - Genetic Intrigues. (Book Reviews: Evolution of Social Insect Colonies. Sex Allocation and Kin Selection.)**



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Sex allocation.

Kin selection (Evolution)

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Notes: Includes bibliographical references and index.

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Tags: #Queens #versus #workers: #sex

## Evolution of the asexual queen succession system and its underlying mechanisms in termites

Illustration based on the data of. This sex-asymmetric inbreeding in AQS species can generate asymmetric reproductive values gene transmission rates between male and female alates. B Ploidy restoration by automixis with central fusion, which occurs in an AQS higher termite, *Embiratermes neotenicus*, and some social Hymenoptera e.

## Queens versus workers: sex

However, what is of equal value is the yeoman work the authors have done to collect and organize the vast number of studies that can be used to test the models. An opportunity not to be missed for silver and white gold, in their smooth and satin-finished version, as for all brilliant metals. Purging: another benefit of AQS The termite AQS may also function as a genetic purging system.

## Evolution of Social Insect Colonies

This purge process is especially efficient in the AQS higher termite C. This Book have some digital formats such us paperback, ebook, kindle, epub, fb2 and another formats. In the AQS *Reticulitermes* species, parthenogens are homozygous for a single maternal allele at almost all loci as a result of terminal fusion.

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This system also seems advantageous to the colony to promote its growth rate without losing genetic diversity in workers. The remaining 24 colonies were reared under laboratory conditions, as described 12. Relative expression level indicates the mean normalized counts per million cpm, ranging from red scaled expression of 0 to white scaled expression of 2.

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Sex investment ratio, estimated as the proportional investment in males. Termite eggs have tiny openings, called micropyles, on their surfaces for sperm entry A.

**styleguide.expo.io: Evolution of Social Insect Colonies: Sex Allocation and Kin Selection (Oxford Series in Ecology and Evolution) (9780198549420): Crozier, Ross H., Pamilo, Pekka: Books**

Vol 1 Genetics and biometric foundations Chicago: University of Chicago Press. Mother—son inbreeding results in sex-asymmetric genetic contributions, where F2 individuals inherit 0. As described above, a heterozygous primary queen CD produces parthenogenetic offspring of near-total homozygosity CC or DD and sexual reproduction with a primary king AB produces heterozygous offspring AC, AD, BC or BD in the AQS species of the genus *Reticulitermes*.

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Book Reviews: Evolution of Social Insect Colonies. Schematic diagram of cytological mechanisms of termite thelytoky.

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