

Male reproductive success

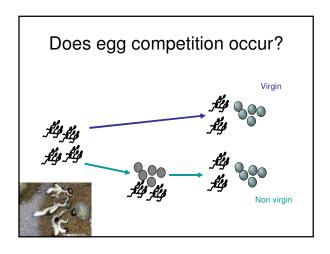
- Bateman's principle Females choosey, sperm abundant
- Variable female reproductive success
- Sperm are not abundant
- Does Bateman's apply?

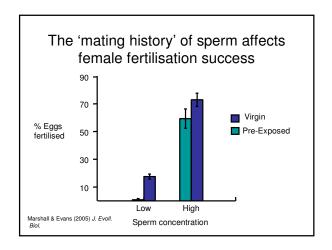


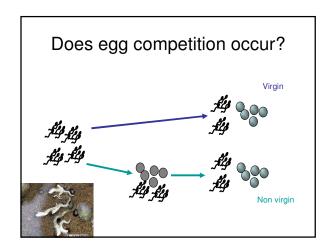
Do females compete for fertilisations?

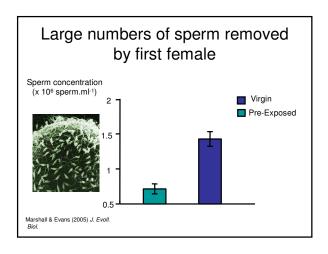


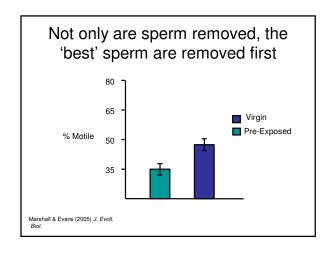


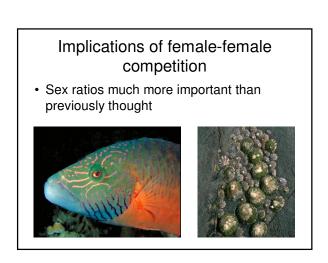












Implications of female-female competition





Egg size: a sexually selected trait?

Implications of female-female competition

- Natural selection to be close to males
- Sexual selection pressure for females to be closer to males than other female



Kid in a candy store...

- Sperm Precedence (Marshall et al. 2004, *Proc. Roy. Soc. Lond. B*)
- Male x Female interactions at fertilisation (Evans and Marshall 2005, Evolution)
- Benefits of Polyandry (Marshall and Evans 2005, *J. Evol. Biol.*)