MIDTERM. office hours tomorrow 9:30-11:30 1 Thurs 11:30 Red Queen genetic sequencing? genomes + phenotypes > recent studies Guts ~7 G×E "gene x environnent -XGX6 host/parasite G×6×E. Co attachment opigin) and Red Queen #2 -> maintenance of sexual reprod. Cost of sex / cost of males

why have sexual reprod at all? why have 50/50 sex ratio? Fisher's theory parthenogenesis. Q > Q clonal reproduction [recombination] 2 K non-selfing hermaphrodites dioecious/gonochoristic Sexual reproduction SEXUAL reproduction does not produce new alleles AB, ab C> new genomes Ab, aB MULLER'S RATCHET 00000000 only works in small populations

RQ and sex. · sex and parasites require the constant generation
of gonetic novelty (i.e. rew genomes) SNAILS of riploid cloud asexual VS Sexual Potamopyrque antipodarum trematode parasites. Lively, Dybdahl, Jokela * resistance tradeoffs to diploids aren't identical resistance vs competitive ability * reproductive assurance * a sexuals more common in low Jensities horror rave-genotype envisonmental conditions

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exploitation, interserence, apparent competition. COMPETITION: regative/negative exploitation resource A) (B) Interference paras les predator appavent