B10 4AE3 24 Oct 2023 EVOLUTION , F VIRULENCE rewgnition us effectors (RQ) virulence (parasite) tolerance { (host) resistance VIRULENCE . · 1055 of host fitness due to parasite infection host killing loss of feardity constration loss of resoures * PROXIES . 4 namow-sense rate of host-killing S-TI-TR + case fatality rate. infection kill 1/3 of the pop/day se infections pervod transmission 2 +> virulence replication rate/ Cuse of host resources Classical dogma. (1970s) parasites always evolve toward commensalism (lower virulence) associations would be more virilent syphilis. 1495 'great pox' q de vover so years, vinlence decreased. ? host evolution? g group selection o o tradeof theory. host-level selection. high relatedness Ro = transmission. in fectious rafe period (β) a relationship betw Ro and of with an interredate max mgh vir T Syphilis of syphilic 1495 CHEARANCE rate Las (x+x) classical dogma: from sampling bias?