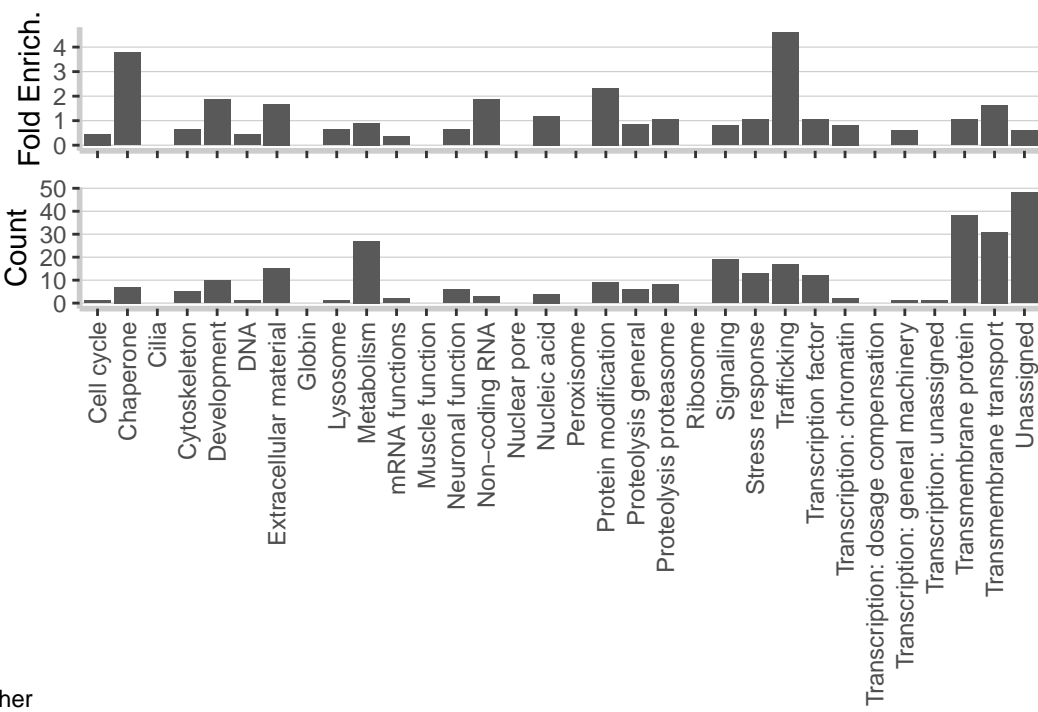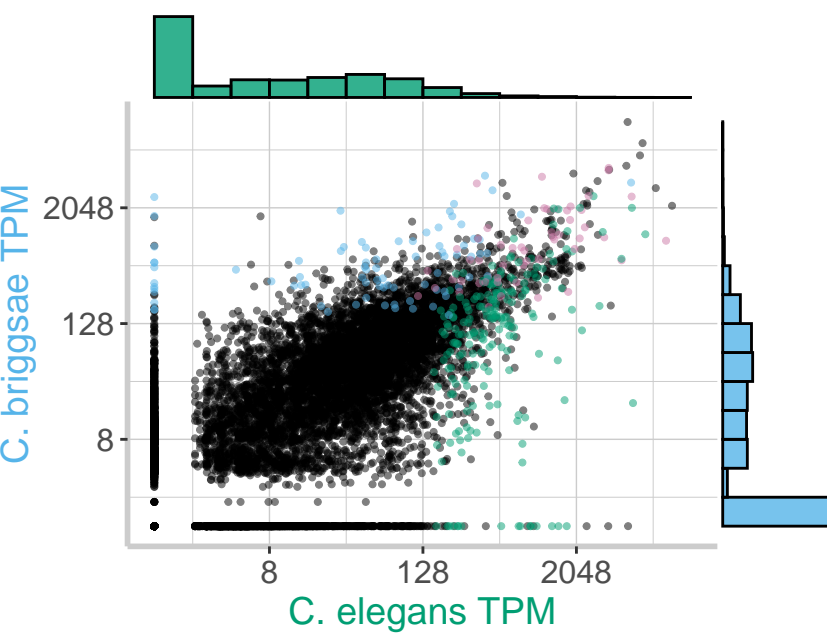hmc_and_hmc_homolog: Muscle and mesoderm