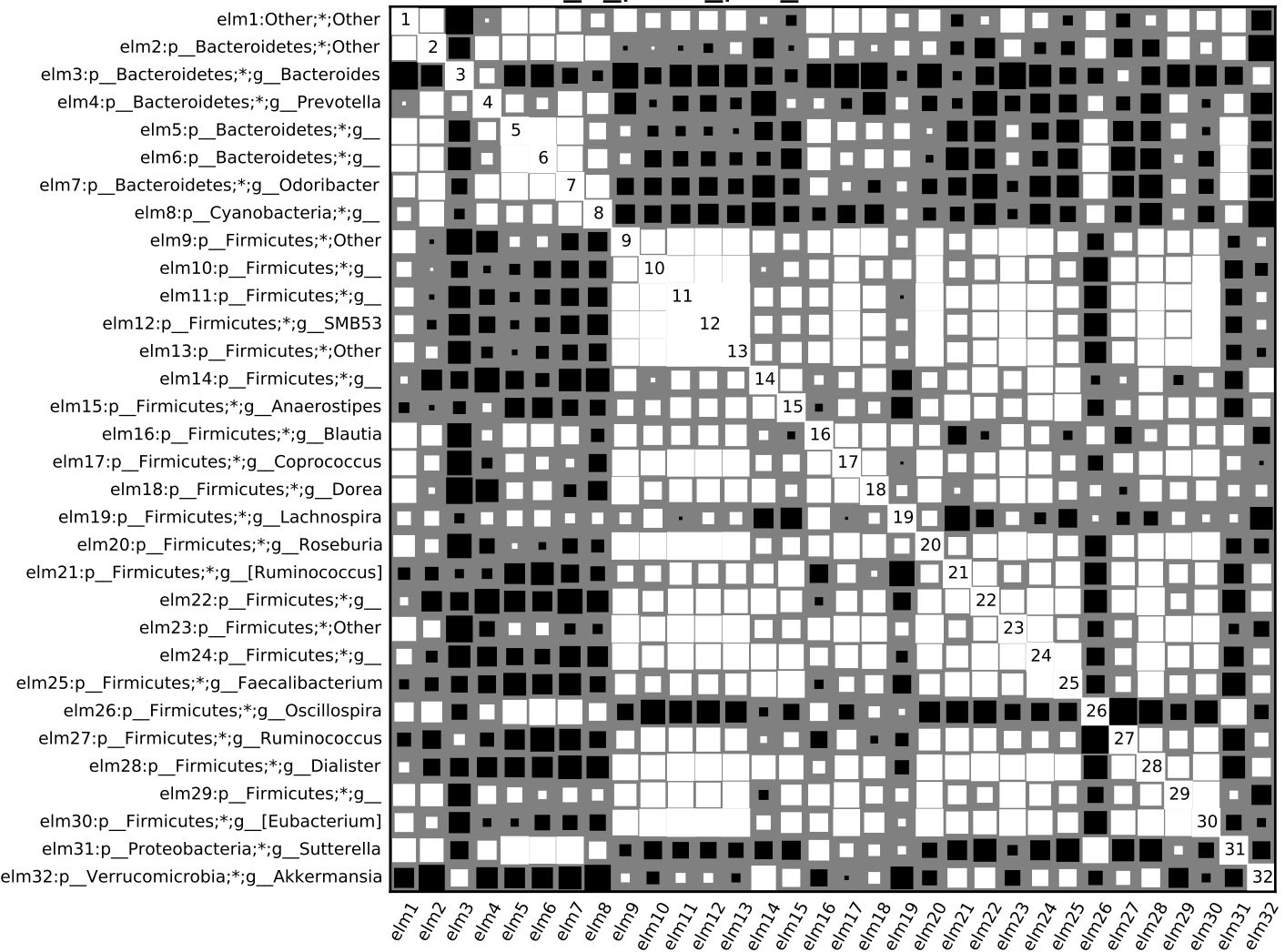antibiotics_h_patD_pre_CORE: elements corr matrix