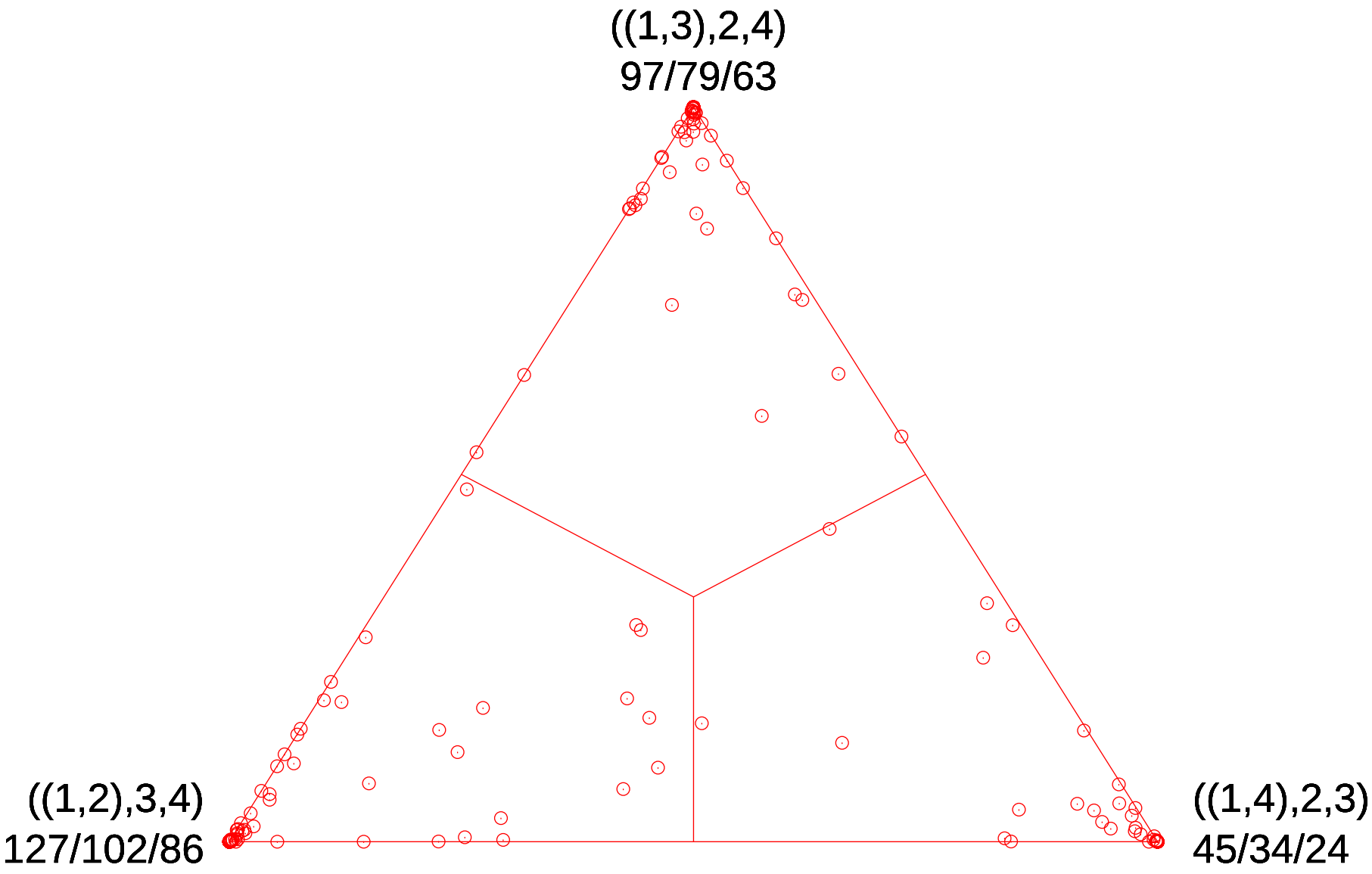#1: P.horikoshii(1),M.thermoautotroph.(2),Halobacterium sp.(3),T.acidophilum(4)