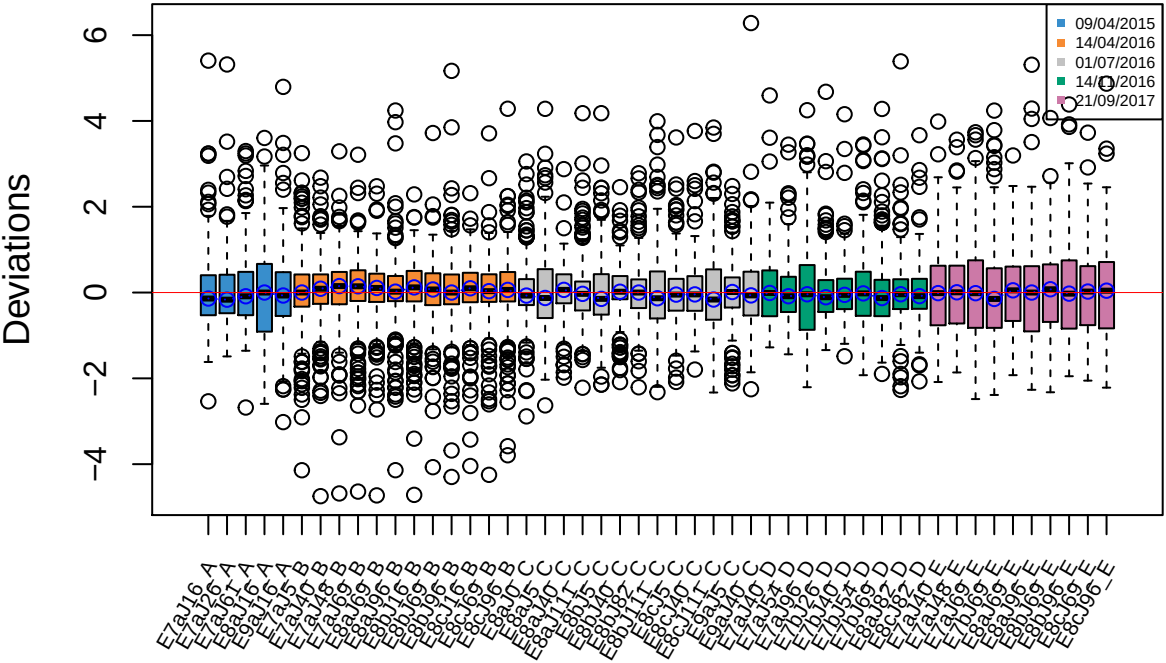AD (initial phenol conc: 1−2 g/L)