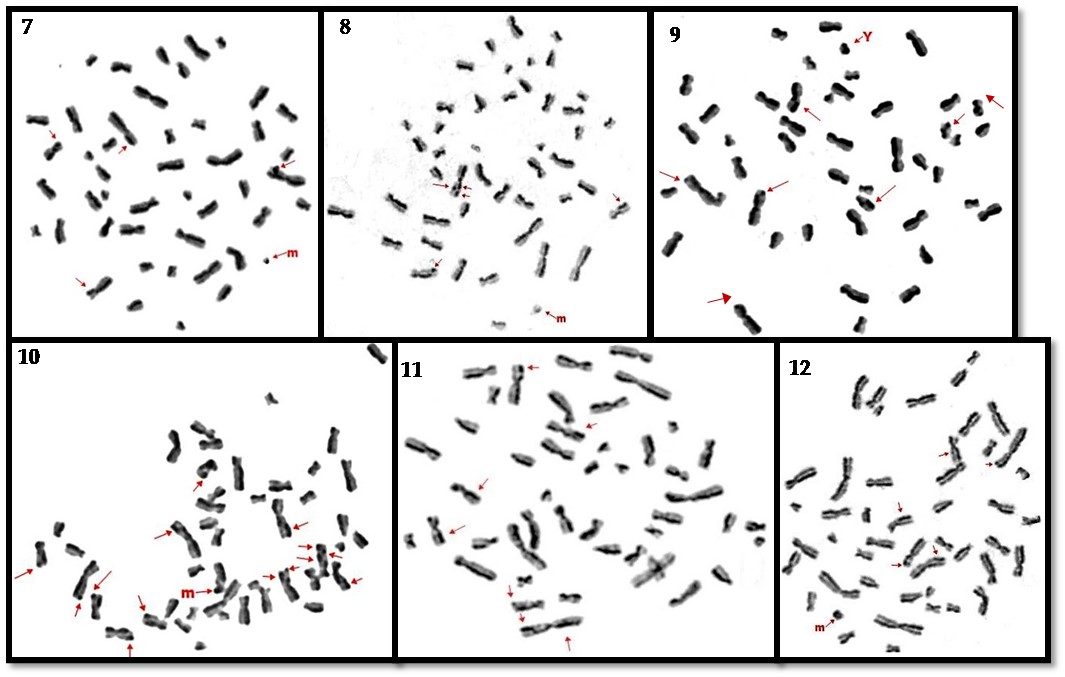


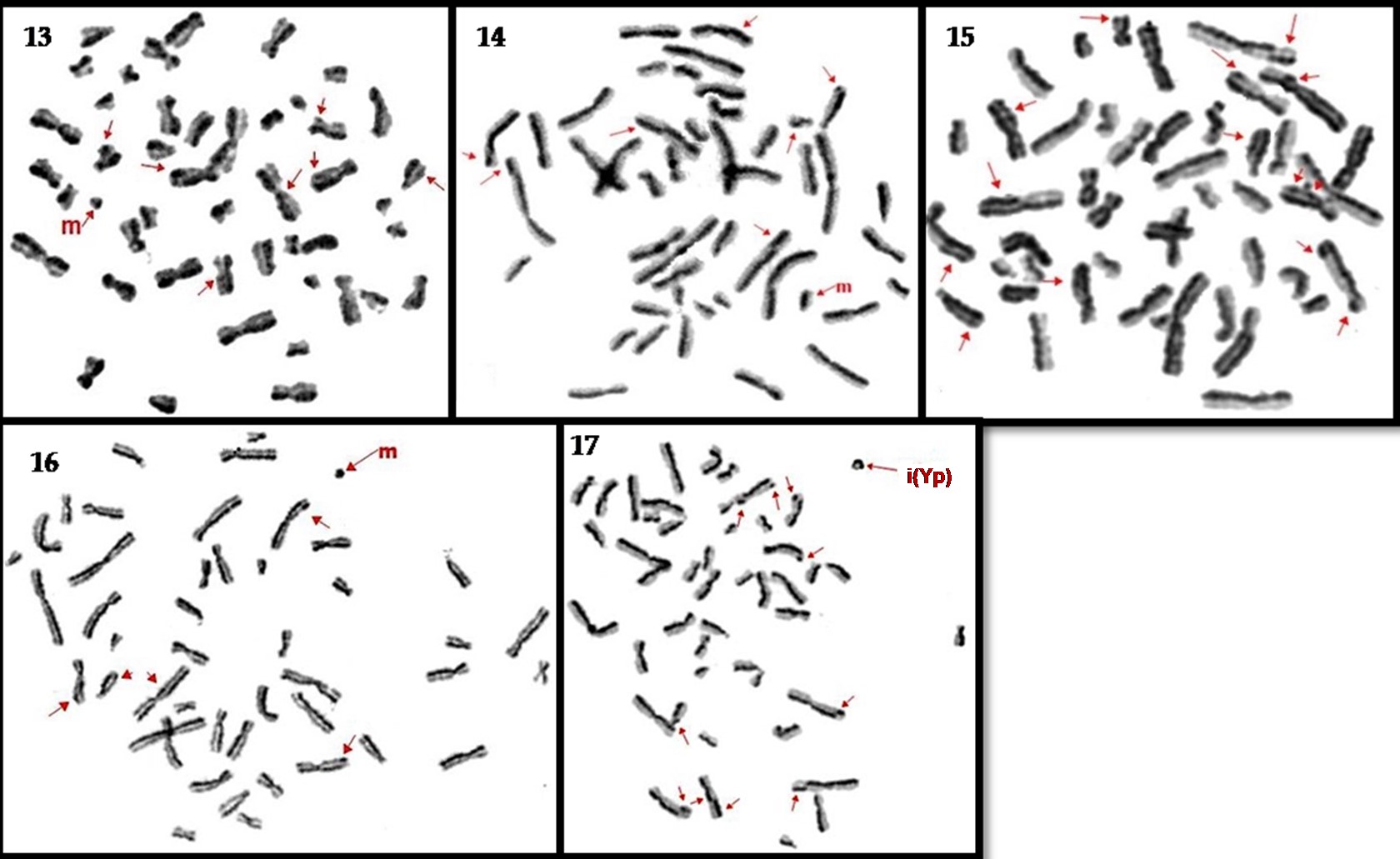
**Figure S15.** Micrographs of metaphases in second division of participants 1 to 6 displaying sister chromatid exchanges (red arrows).

m=marker chromosome (sSMC) and r=ring chromosome (red arrows).



**Figure S16.** Micrographs of metaphases in second division of participants 7 to 12 displaying sister chromatid exchanges (red arrows).

m=marker chromosome (sSMC) and Y =Y chromosome (red arrows).



**Figure S17.** Micrographs of metaphases in second division of participants 13 to 17 displaying sister chromatid exchanges (red arrows).

m=marker chromosome (sSMC) and i(Yp) =isochromosome for short arm of the Y chromosome (red arrows).