



Fig. S1. Human leukocyte antigen (HLA) inheritance in spontaneously conceived (SC) and egg donation (ED) pregnancies. The 5 most immunogenic HLA antigens, i.e. HLA-A, -B, -C, -DR and -DQ, are indicated by vertical bars within the short arm of the chromosome 6. (a) In SC pregnancies the child inherits 5 HLA antigens from the mother (*dark red*) and the others from the father (*violet*). Therefore, a maximum of 5 mismatches between the mother and foetus is possible. (b) In ED pregnancies involving unrelated donors, no antigens from the mother (*dark red*) are present in the foetus. Indeed, the child inherits 5 HLA antigens from the donor (*orange*) and the others from the father (*violet*). Therefore, a maximum of 10 mismatches between the mother and foetus is possible.