



Supplementary Figure S1 The figure displays all combinations of number of blastomeres, nucleus score and degree of fragmentation as the revised Integrated Morphology Cleavage (rIMC) score expressed in a scale of 1 – 10. The value 10 (blastomere 4, fragmentation 0 and nucleus score 3, i.e. one visible nucleus in each blastomere) thus implies the highest probability of a live birth for a woman given her age. BL denotes number of blastomeres. FR was scored as 0 (no fragments), 1 ($\leq 10\%$ fragmentation), 2 ($> 10 \leq 25\%$), 3 ($> 25 \leq 50\%$) and 4 ($> 50\%$ fragmentation). The parameter NU was defined as the number of visible mononucleated blastomeres divided by the total number of blastomeres in the embryo (to correct for the cleavage rate); a ratio of 0–0.29 gives a NU score of 0, 0.30–0.69 gives a NU score of 1, 0.70–0.99 gives a score of 2 and a ratio of 1 equals a NU score of 3. The NU score – 1 denotes that the embryo contains at least one multinucleated blastomere. The combinations of variables which have absent observations.