

Supplementary Table 1. Fertilization and first cleavage division of oocytes from various age of C57BL/6J mice

Age (weeks)	Total no. of normal oocytes at 6 h PI	No. fertilized oocytes at 6 h PI (% \pm MSE) ^a	No. 2-cell at 24 h PI (% \pm MSE) ^a
3	353	346 (97 \pm 2)	323 (93 ^b \pm 2)
4	324	315 (98 \pm 1)	312 (97 ^c \pm 1)
5	207	201 (98 \pm 1)	192 (92 ^b \pm 3)
6	207	206 (99 \pm 1)	206 (99 ^c \pm 1)
8	221	215 (97 \pm 2)	213 (96 ^{bc} \pm 2)
10	292	289 (99 \pm 1)	288 (98 ^c \pm 1)

^a Percentages and mean standard error (MSE) of normal oocytes at 6h PI. ^{bc} Percentages with different superscripts within the same column were significantly different ($P < 0.05$).

Supplementary Table 2. Survival of frozen-thawed IVF 2-cell embryos from various ages of C57BL/6J mice

Age (weeks)	Total no. of frozen embryos	Recovered	No. embryos with normal morphology after thawing (% \pm MSE) ^a
3	318	317	288 (92 \pm 3)
4	279	275	268 (96 \pm 1)
5	131	129	126 (96 \pm 2)
6	71	69	63 (88 \pm 5)
8	113	110	108 (95 \pm 2)
10	166	165	160 (97 \pm 2)

^a Percentages and mean standard error (MSE) of total frozen embryos.