

Supplementary Table 1. Changes in ovary size in females of different ages after superovulation stimulation by Method A

Age (Month)	No. of animals	Left ovary		Right ovary	
		Length (mm)	Width (mm)	Length (mm)	Width (mm)
40–45	4	14.5 ± 3.8 ^a	11.4 ± 2.2 ^a	14.2 ± 5.9 ^a	10.7 ± 3.1 ^a
45–50	4	16.3 ± 2.3 ^a	10.5 ± 2.4 ^a	17.3 ± 2.8 ^{a,c}	12.6 ± 1.5 ^a
50–60	5	26.2 ± 4.2 ^b	18.8 ± 3.7 ^b	23.8 ± 3.8 ^{b,c}	16.6 ± 4.5 ^{a,b}
> 60	4	28.7 ± 5.4 ^b	21.7 ± 4.4 ^b	26.8 ± 4.8 ^{b,d}	19.3 ± 1.5 ^{b,c}

Data are the mean ± S.D. Values with different superscript letters within a column differ significantly ($P < 0.05$).

Supplementary Table 2. Changes in ovary size in females of different body weights after superovulation stimulation by Method A

Body weight (kg)	No. of animals	Left ovary		Right ovary	
		Length (mm)	Width (mm)	Length (mm)	Width (mm)
2.5–3.0	5	14.4 ± 4.5 ^a	9.9 ± 2.8 ^a	14.7 ± 6.5 ^a	10.4 ± 2.8 ^a
3.0–3.5	6	18.1 ± 4.7 ^{a,b}	13.7 ± 5.0 ^{a,b}	18.0 ± 4.1 ^{a,b}	13.7 ± 3.4 ^{a,b}
3.5–4.0	3	23.3 ± 1.5 ^b	16.6 ± 1.1 ^b	22.2 ± 1.1 ^b	18.2 ± 0.7 ^b
4.5–5.0	3	25.7 ± 4.9 ^b	20.5 ± 4.2 ^b	27.8 ± 2.8 ^b	17.7 ± 1.5 ^b

Data are the mean ± S.D. Values with different superscript letters within a column differ significantly ($P < 0.05$).

Supplementary Table 3. The number and proportion of oocytes retrieved from females of different ages after superovulation stimulation by Method A

Age (month)	No. of animals	No. of oocytes at			Proportion of oocytes at	
		GV	MII	Total	GV	MII
40–45	5	16.5 ± 7.5	0.2 ± 0.4 ^a	16.7 ± 7.3 ^a	98.0 ± 4.0 ^a	2.0 ± 4.0 ^a
45–50	5	10.6 ± 3.7	7.8 ± 5.5 ^{a,b}	18.4 ± 2.6 ^a	59.4 ± 21.9 ^b	40.6 ± 21.9 ^b
50–60	7	14.0 ± 12.9	15.7 ± 11.4 ^{b,d}	29.7 ± 14.0 ^{a,b}	44.1 ± 31.8 ^b	55.9 ± 31.8 ^b
> 60	4	9.5 ± 4.7	28.5 ± 2.5 ^{c,d}	38.0 ± 2.4 ^b	28.9 ± 6.6 ^b	71.1 ± 6.6 ^b

Data are the mean ± S.D. Values with different superscript letters within a column differ significantly ($P < 0.05$).

Supplementary Table 4. The number and proportion of oocytes retrieved from females of different body weights after superovulation stimulation by Method A

Body weight (kg)	No. of animals	No. of oocytes at			Proportion of oocytes at	
		GV	MII	Total	GV	MII
2.5–3.0	8	7.4 ± 4.6	3.2 ± 5.4 ^a	10.6 ± 7.2 ^a	79.0 ± 26.7	21.0 ± 26.7
3.0–3.5	11	12.9 ± 4.0	7.4 ± 8.4 ^a	20.2 ± 9.1 ^a	70.6 ± 24.5	29.3 ± 24.5
3.5–4.0	5	16.5 ± 16.8	9.0 ± 3.1 ^a	25.5 ± 17.9 ^{a,b}	47.9 ± 38.2	42.8 ± 38.2
4.5–5.0	5	13.2 ± 9.9	31.0 ± 9.1 ^b	44.2 ± 8.1 ^{b,c}	35.4 ± 31.3	64.6 ± 33.6

Data are the mean ± S.D. Values with different superscript letters within a column differ significantly ($P < 0.05$).

Supplementary Table 5. Changes in ovary size in females of different ages after superovulation stimulation by Method B

Age (Month)	No. of animals	Left ovary		Right ovary	
		Length (mm)	Width (mm)	Length (mm)	Width (mm)
40–45	4	24.2 ± 0.9	17.7 ± 2.4	20.8 ± 2.3	18.4 ± 3.6
45–50	4	25.0 ± 4.5	17.5 ± 3.2	22.9 ± 5.3	20.8 ± 5.4
50–60	3	26.1 ± 10.9	17.5 ± 7.4	22.9 ± 7.7	20.8 ± 7.7
> 60	6	24.5 ± 3.6	17.3 ± 3.2	21.2 ± 2.0	16.3 ± 2.0

Data are the mean ± S.D.

Supplementary Table 6. Changes in ovary size in females of different body weights after superovulation stimulation by Method B

Body weight (kg)	No. of animals	Left ovary		Right ovary	
		Length (mm)	Width (mm)	Length (mm)	Width (mm)
2.5–3.0	4	21.9 ± 3.9	16.6 ± 4.0	20.8 ± 3.0	16.3 ± 3.6
3.0–3.5	6	26.8 ± 3.5	19.8 ± 2.6	26.1 ± 5.7	20.3 ± 3.7
3.5–4.0	4	26.4 ± 8.2	17.5 ± 5.6	23.3 ± 5.7	20.7 ± 8.7
4.5–5.0	3	25.7 ± 2.9	17.7 ± 3.3	20.5 ± 0.8	15.2 ± 2.0

Data are the mean ± S.D.

Supplementary Table 7. The number and proportion of oocytes retrieved from females of different ages after superovulation stimulation by Method B

Age (month)	No. of animals	No. of oocytes at			Proportion of oocytes at	
		GV	MII	Total	GV	MII
40–45	4	11.8 ± 6.0 ^a	22.0 ± 4.1	33.8 ± 8.4 ^{a,c}	33.1 ± 12.6	66.9 ± 12.6
45–50	3	29.3 ± 11.7 ^b	22.3 ± 17.6	51.7 ± 18.5 ^{a,b}	59.0 ± 27.5	41.0 ± 27.5
50–60	3	5.0 ± 4.4 ^a	18.0 ± 5.0	23.0 ± 8.9 ^c	18.0 ± 16.1	82.0 ± 16.1
> 60	6	8.3 ± 7.0 ^a	11.0 ± 8.1	19.3 ± 10.6 ^c	52.4 ± 32.1	47.6 ± 32.1

Data are the mean ± S.D. Values with different superscript letters within a column differ significantly ($P < 0.05$).**Supplementary Table 8.** The number and proportion of oocytes retrieved from females of different body weights after superovulation stimulation by Method B

Body weight (kg)	No. of animals	No. of oocytes at			Proportion of oocytes at	
		GV	MII	Total	GV	MII
< 2.5	4	7.5 ± 8.1	21.8 ± 7.5	29.3 ± 14.7	23.1 ± 26.6	79.5 ± 14.3
2.5–3.0	6	19.2 ± 11.8	15.2 ± 9.7	34.4 ± 9.6	42.0 ± 29.0	58.0 ± 29.0
3.0–3.5	5	13.2 ± 13.9	18.4 ± 14.8	31.6 ± 25.8	49.7 ± 36.5	50.3 ± 36.5
3.5–4.0	3	8.3 ± 1.2	12.0 ± 7.0	20.3 ± 8.1	45.3 ± 15.9	54.7 ± 15.9

Data are the mean ± S.D.