

File S2 - Statistical outcomes

Table S1. The statistical outcomes of Wilcoxon rank sum test between breeding group type (i.e. peer vs. multi-generational) and female reproductive success (i.e. birth rate, inter birth rate, offspring survival to first and third year of age) in captive rhesus macaques.

Variable	Breeding group type				W	p-value
	Peer group		Multi-generational group			
	Mean \pm sd	N (females)	Mean \pm sd	N (females)		
Birth rate	0.47 \pm 0.03	129	0.74 \pm 0.02	229	7910	1.93e-13
Inter birth rate	448 \pm 16	60	425 \pm 7	169	5528.5	0.30
Offspring survival rate to 1st year of age	0.77 \pm 0.34	107	0.90 \pm 0.20	223	13909	6.94e-03
Offspring survival rate to 3rd year of age	0.74 \pm 0.03	107	0.86 \pm 0.01	223	13768	0.01
Conception	9.25 \pm 0.53	60	8.50 \pm 0.23	169	4611.5	0.30

Table S2. The statistical outcomes of Kruskal-Wallis test between rearing history (i.e. R0 = peer or hand-reared, R1 = group-reared with peer or hand-reared mother, R2 = group-reared) and female reproductive success (i.e. birth rate, inter birth rate, offspring survival to first and third year of age) in captive rhesus macaques.

Variable	Rearing history						X ²	p-value
	Peer or hand-reared (R0)		Group-reared with peer or hand-reared mother (R1)		Group-reared (R2)			
	Mean ± sd	N	Mean ± sd	N	Mean ± sd	N		
Birth rate	0.68 ± 0.05	35	0.77 ± 0.02	120	0.70 ± 0.03	74	2.97	0.23
Inter birth rate	426.9 ± 17.5	26	421.0 ± 8.4	99	428.2 ± 10.0	44	1.36	0.51
Offspring survival rate to 1st year of age	0.81 ± 0.05	33	0.91 ± 0.02	119	0.91 ± 0.02	71	6.8488	0.03
Offspring survival rate to 3rd year of age	0.78 ± 0.05	33	0.87 ± 0.02	119	0.88 ± 0.03	71	7.419	0.02

Table S3. The statistical outcomes of Kruskal-Wallis test with Benjamini & Hochberg post-hoc comparison of offspring survival rate to 1st and 3rd year of age between rearing history conditions (R0, R1, R2).

Variable		R0	R1
Offspring survival rate to 1st year of age	R1	0.055	-
	R2	0.035	0.370
Offspring survival rate to 3rd year of age	R1	0.072	-
	R2	0.025	0.186