

Table S1. Spearman coefficient of determination (R^2)

Item	Var1	Var2	R^2
1	GnRH	MT	-0.8
2	FSH	MT	-0.8
3	LH	MT	-0.8
4	ESR1	MT	-0.8
5	PGR	MT	-0.4
6	MT	GnRH	-0.8
7	FSH	GnRH	1
8	LH	GnRH	1
9	ESR1	GnRH	1
10	PGR	GnRH	0.8
11	MT	FSH	-0.8
12	GnRH	FSH	1
13	LH	FSH	1
14	ESR1	FSH	1
15	PGR	FSH	0.8
16	MT	LH	-0.8
17	GnRH	LH	1
18	FSH	LH	1
19	ESR1	LH	1
20	PGR	LH	0.8
21	MT	ESR	-0.8
22	GnRH	ESR	1
23	FSH	ESR	1
24	LH	ESR	1
25	PGR	ESR	0.8
26	MT	PGR	-0.4
27	GnRH	PGR	0.8
28	FSH	PGR	0.8
29	LH	PGR	0.8
30	ESR1	PGR	0.8

Note: Spearman coefficient was used to evaluate the significance of correlations. The R^2 is known as the "coefficient of determination"