

Supplementary Table 1. Demographics of southern white rhino included in study.

Individual (SB#)	Estimated Age (years)	Reproductive Status	Data Collection	Number of Treatments
#2194	7	Anovulatory	Sept 2016 – Aug 2017	4
#2195	4	Ovulatory	Sept 2016 – Aug 2017	0
#2196	4	Anovulatory	Sept 2016 – Aug 2017	1
#2197*	6	Anovulatory	Dec 2016 – Aug 2017	2
#2198	5	Anovulatory	Sept 2016 – Aug 2017	0
#2199	4	Anovulatory	Sept 2016 – Aug 2017	4

\*Parous female, calving date Nov 13, 2016; all other females assumed nulliparous

Supplementary Table 2. Endocrine and ultrasound parameters in ovulatory SWR female #2195.

Individual	Pg > baseline (days)	CL visible (days)	OV to Pg > baseline (days)	Max Pg (ng/g)	Max Pg after > baseline (days)	Max luteal size (mm)	Luteal structure	Cycle designation
#2195	19	NA	NA	3843	9	NA	CL	short
	52	NA	NA	6028	11	NA	CL	long
	26	NA	NA	5709	18	NA	CL	short
	21	28	NA	4681	8	29	CL	short
	19	30	NA	7882	10	34	CL	short
	56	55	NA	7746	25	42	CL	long
	70	45	NA	11957	28	34	CL	long
	25	NA	NA	6776	13	NA	CL	short

CL = corpus luteum, Pg = progesterone

Supplementary Table 2. Endocrine and ultrasound parameters in ovulatory SWR females #2194, #2196, #2197, and #2198.

Individual 1 (SB#)	Pg > baseline (days)	Luteal structure visible (days)	Injection to Pg > baseline (days)	Max Pg (ng/g)	Max Pg after > baseline (days)	Max luteal size (mm)	Luteal structure	Cycle designation
#2194	40	45	11	7712	16	36	CL	short
	63	66	7	6211	17	35	CL	long
	57	41	7	5101	25	44	CL	long
	68	60	7	5926	15	34	CL	long
#2196	31	32	5	5787	17	42	CL	short
#2197	27	31	6	11153	17	46	CL	short
	22	30	6	2353	12	28	CL	short
#2198	36	38	8	3382	17	34	CL	short
	23	24	6	3887	8	38	CL	short
	21	30	6	4312	13	67	HAF	short
	19	67	7	1622	11	78	HAF	short

CL = corpus luteum, Pg = progesterone, HAF = hemorrhagic anovulatory follicle