

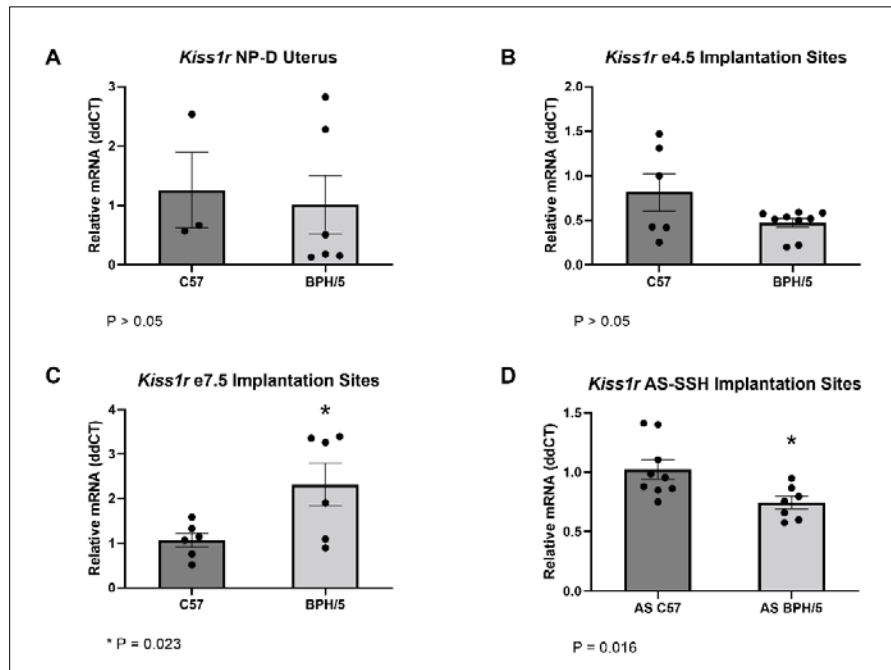
Article Supplement:

Kisspeptin Is Upregulated at the Maternal-Fetal Interface of the Preeclamptic-Like BPH/5 Mouse and Normalized after Synchronization of Sex Steroid Hormones

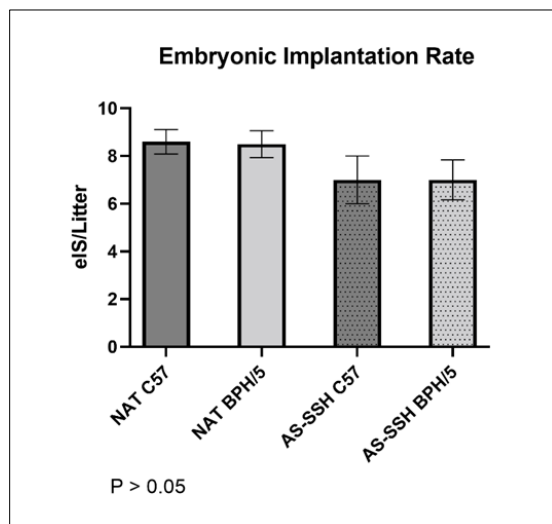
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Table S1. Forward and reverse *Mus musculus*-specific primer sequences used in qRT-PCR

Gene	Primer Sequence	Reference
<i>18S</i>	F: 5'GTAACCCGTTGAACCCATT3' R: 5'CCATCCAATCGGTAGTAGCG3'	Sones et al., 2016 [1]
<i>Kiss1</i>	F: 5' CGAAGGAGTTCCAGTTGTAGG3' R: 5'AAGGAATCGCGGTATGCA3'	Zhang et al., 2014 [2]
<i>Kiss1r</i>	F: 5'CCGTCCAACGCTTCAGGAT3' R: 5'GTGTAGCGAAAAACAGGGGAA3'	Zhang et al., 2014 [2]
<i>Timp1</i>	F: 5' GACGGCCTTCTGCAATTCC3' R: 5' GTATAAGGTGGTCTGGTTGACTTCTG3'	Sakamuri et al., 2017 [3]
<i>Timp2</i>	F: 5' GAGCCTGAACCACAGGTACCA3' R: 5' AGGAGATGTAGCACGGGATCA3'	Sakamuri et al., 2017 [3]
<i>Timp4</i>	F: 5' CACCCTCAGCAGCACATCTG 3' R: 5' GGCCGGAACACTTCTCACT 3'	Sakamuri et al., 2017 [3]
<i>Lif</i>	F:5'TCAGCGACAAAGTTACTCCACCGT3' R:5'AAGTGATGACAAAGCCCAACAGGC3'	Sones et al., 2016 [1]



Supplement Figure S1. Kisspeptin receptor (*Kiss1r*) gene expression in the BPH/5 non-pregnant diestrus (NP-D) uterus and maternal-fetal interface. Relative mRNA expression of *Kiss1r* in the NP-D uterus (A), and embryonic implantation sites (eIS) of BPH/5 and C57 females carrying natural (NAT) pregnancies at embryonic day (e) 4.5 (B) and e7.5 (C). (D) *Kiss1r* expression during the peak of embryonic implantation in the eIS of BPH/5 and C57 females that underwent early pregnancy artificial synchronization of sex steroid hormones (AS-SSH). Gene expression assessed via qRT-PCR (n = 3-9/group). Student's t-test, * P < 0.05. Data expressed as mean ± SEM.



Supplement Figure S2. Embryonic implantation rate was not affected by artificial synchronization of sex steroid hormones (AS-SSH). Number of embryonic implantation sites (eIS) per litter in BPH/5 and C57 females carrying natural (NAT) pregnancies at embryonic day (e) 4.5, and BPH/5 and C57 females that underwent AS-SSH, two days post-administration of 17β-estradiol. One-way ANOVA, P > 0.05. Data expressed as mean ± SEM.