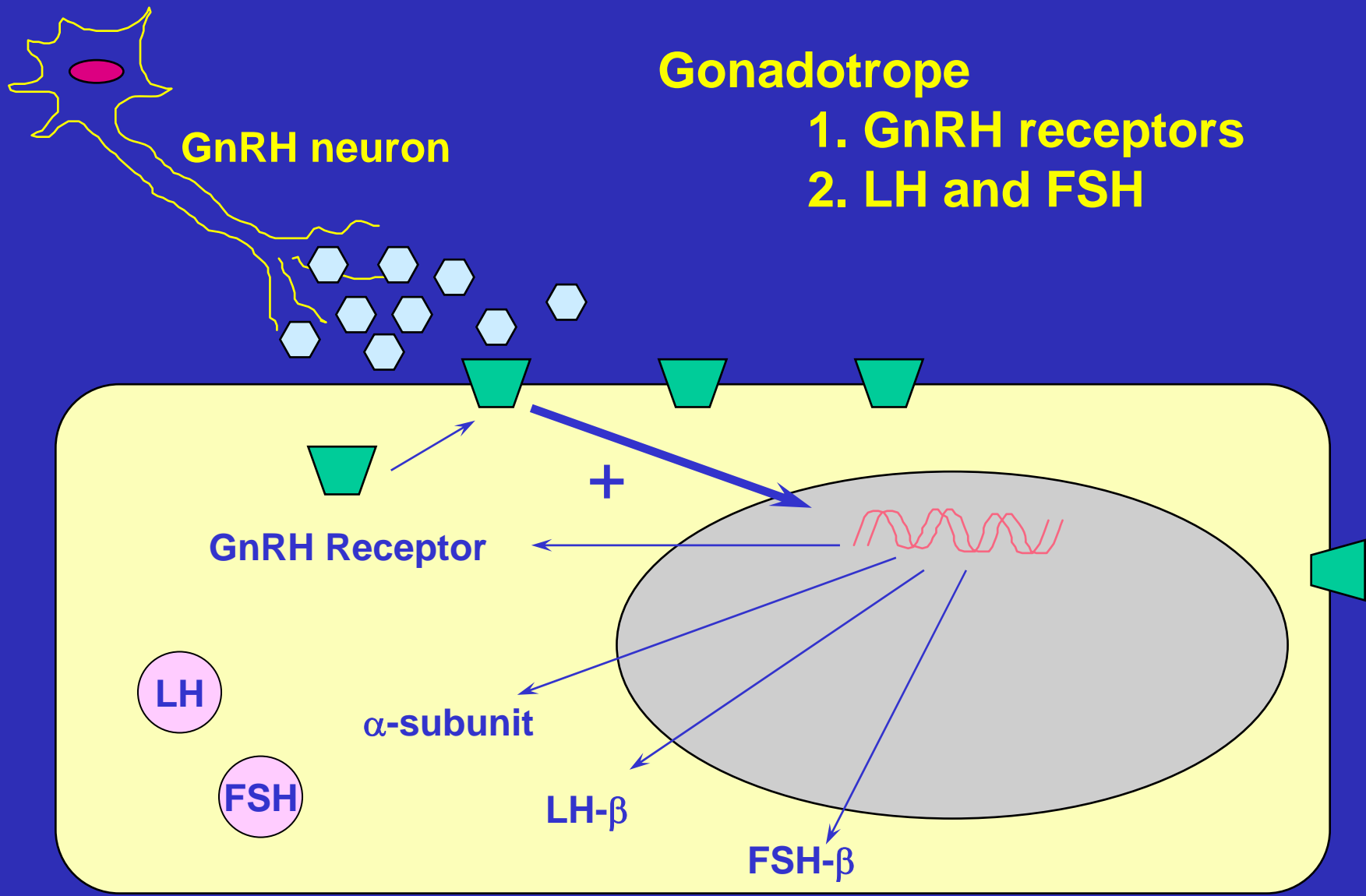


**Cell-specific Expression of the Porcine
GnRH Receptor (GnRHR) Gene Is
Conferred by Multiple Elements,
Including a SF-1 Binding Site, Located
Within 1900 bp of 5' Flanking Region**

R.A. Cederberg, B.E. Bass, C.F. Toombs and B.R. White

**Department of Animal Science
University of Nebraska-Lincoln**



Gonadotrope

- 1. GnRH receptors
- 2. LH and FSH

GnRH neuron

GnRH Receptor

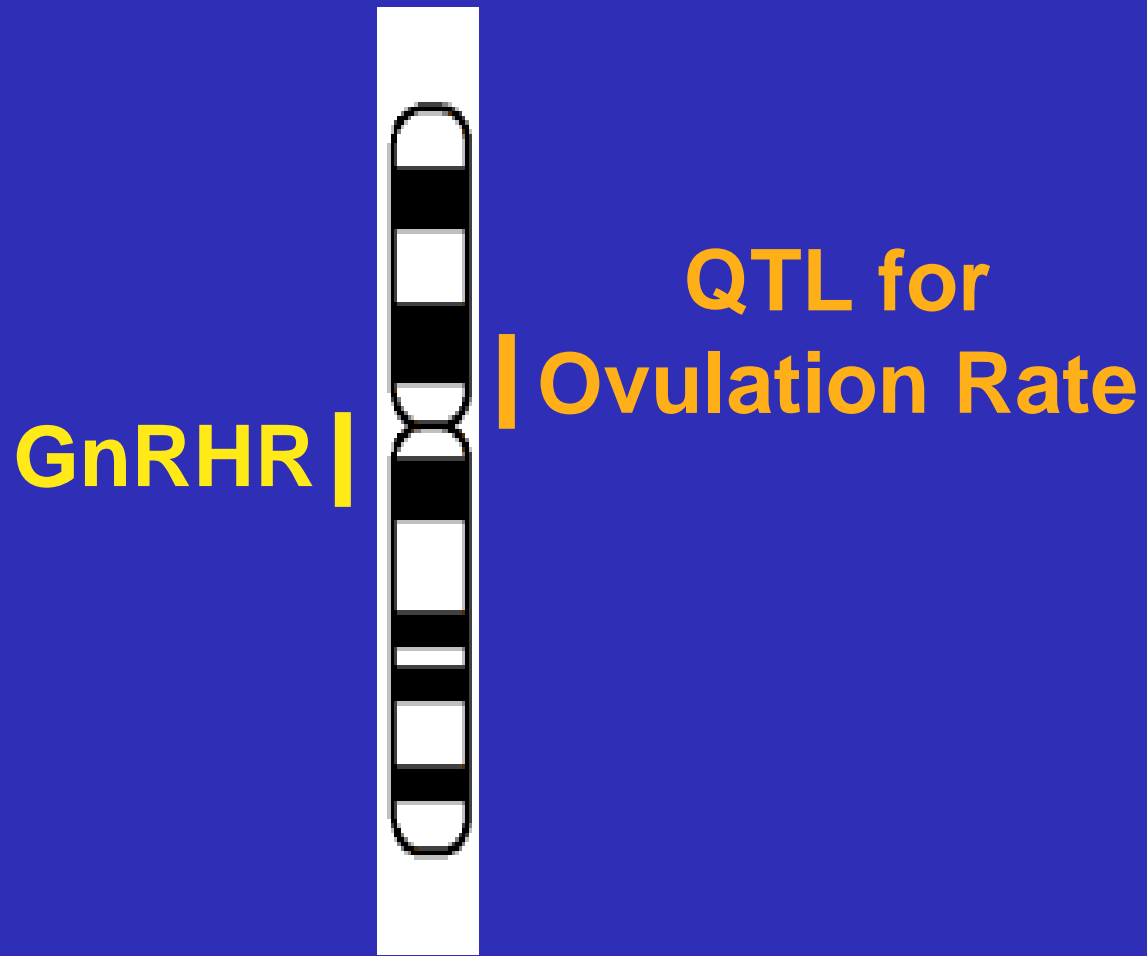
LH

FSH

α-subunit

LH-β

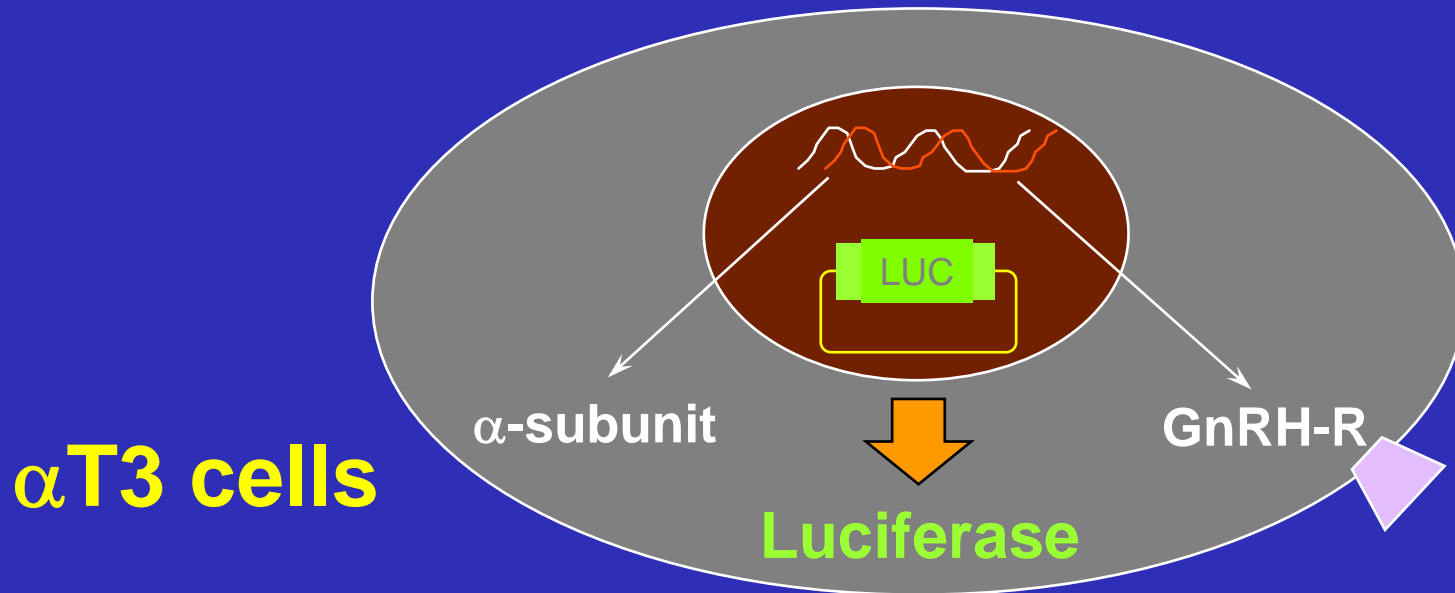
FSH-β

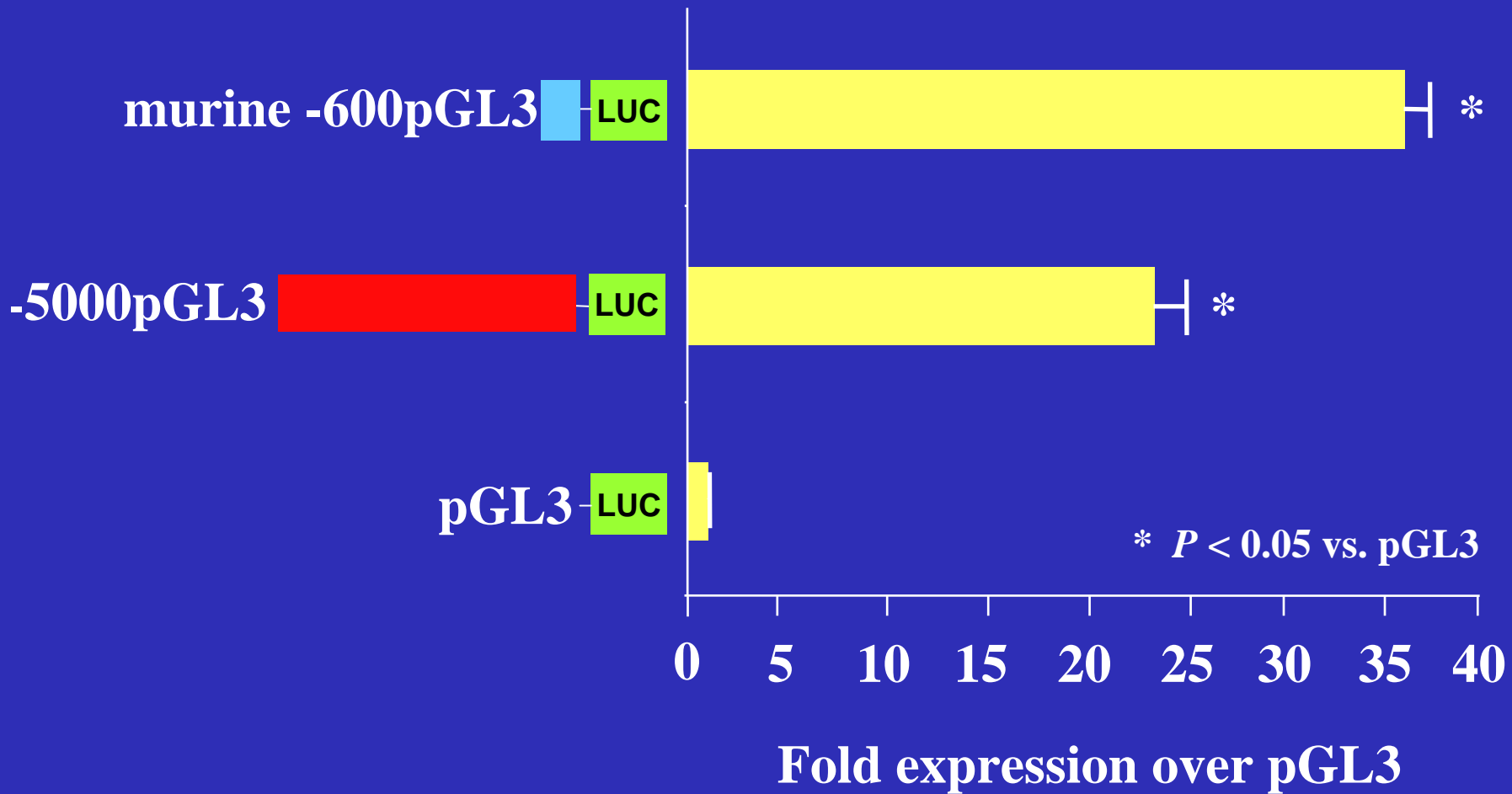


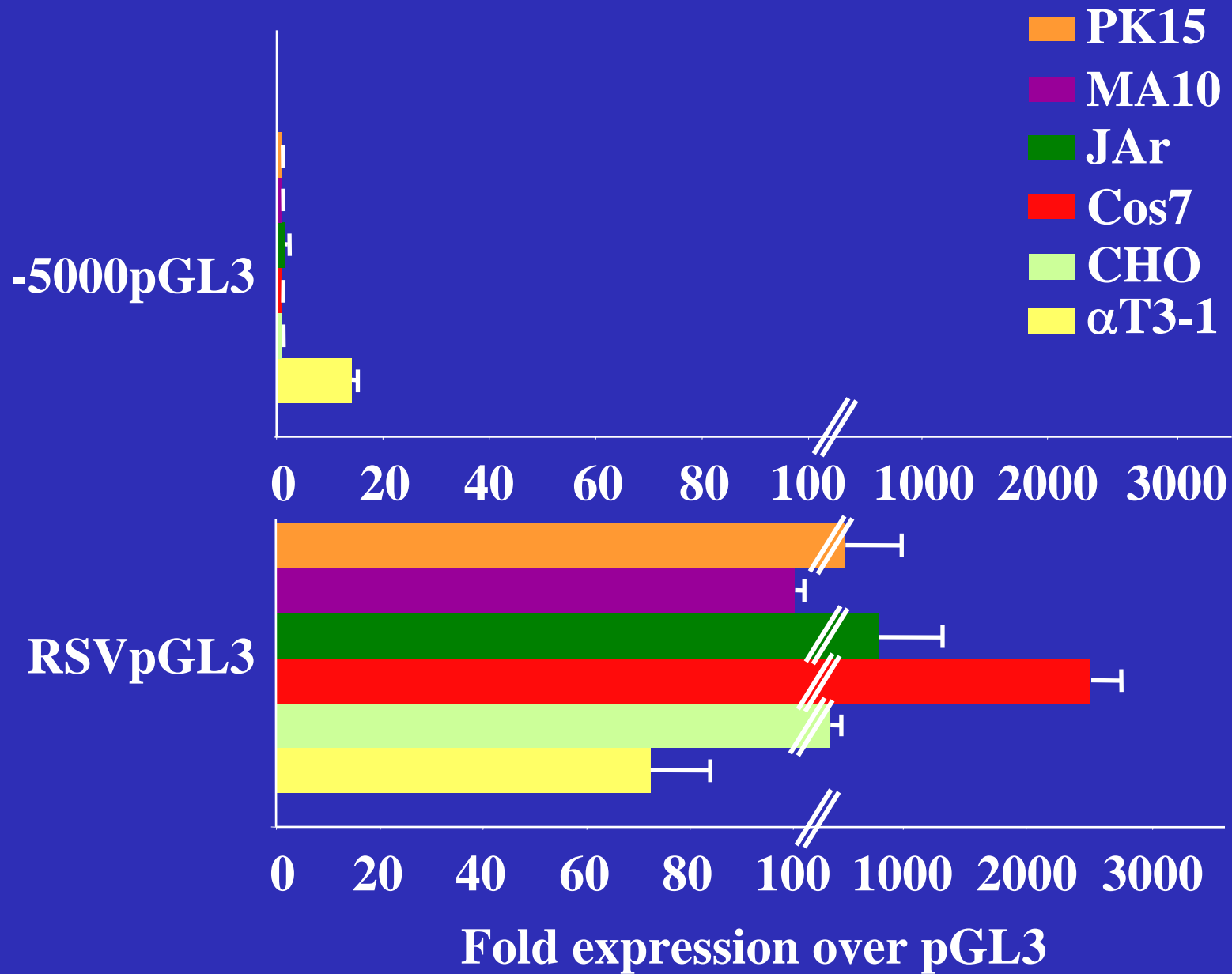
Porcine Chromosome 8

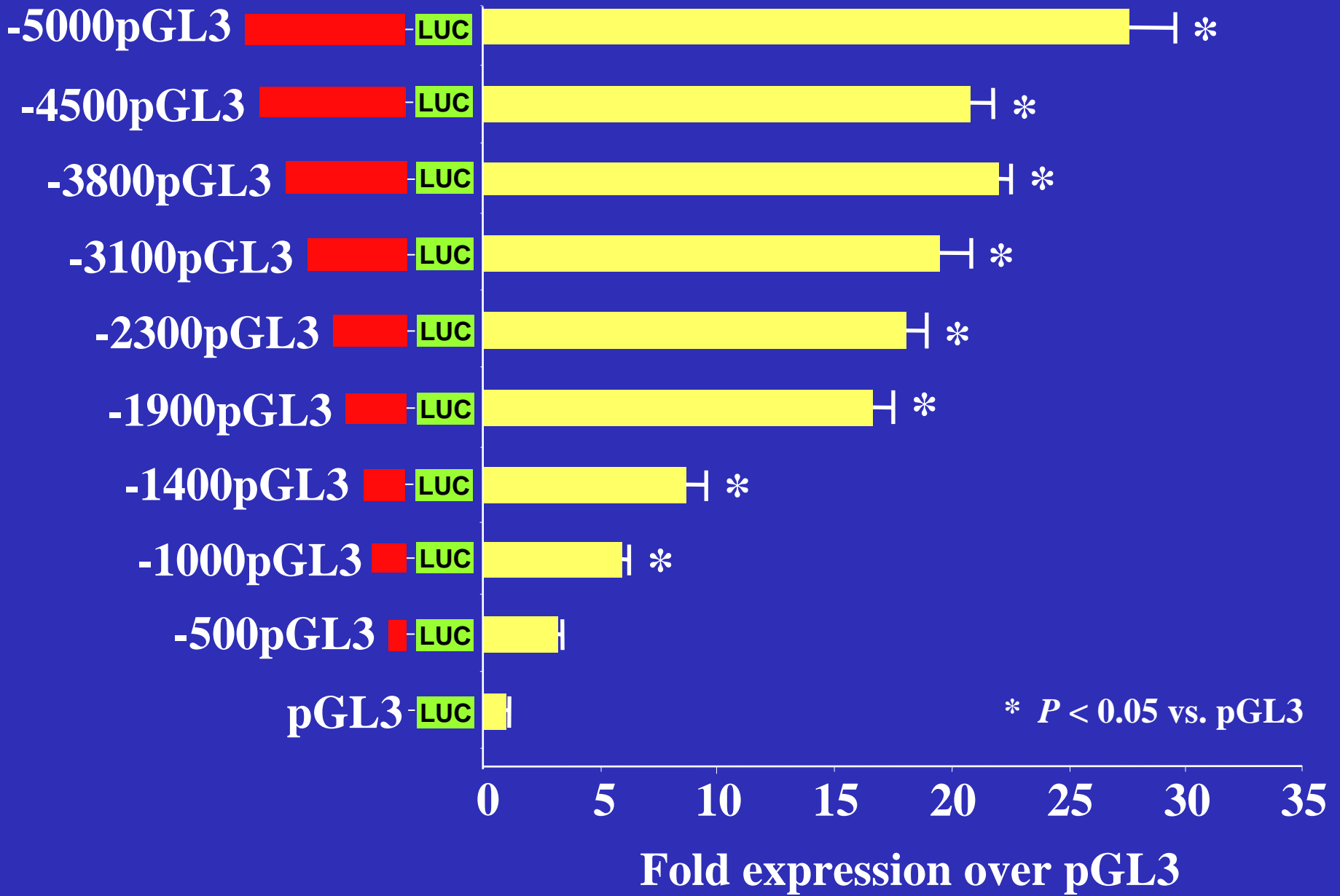


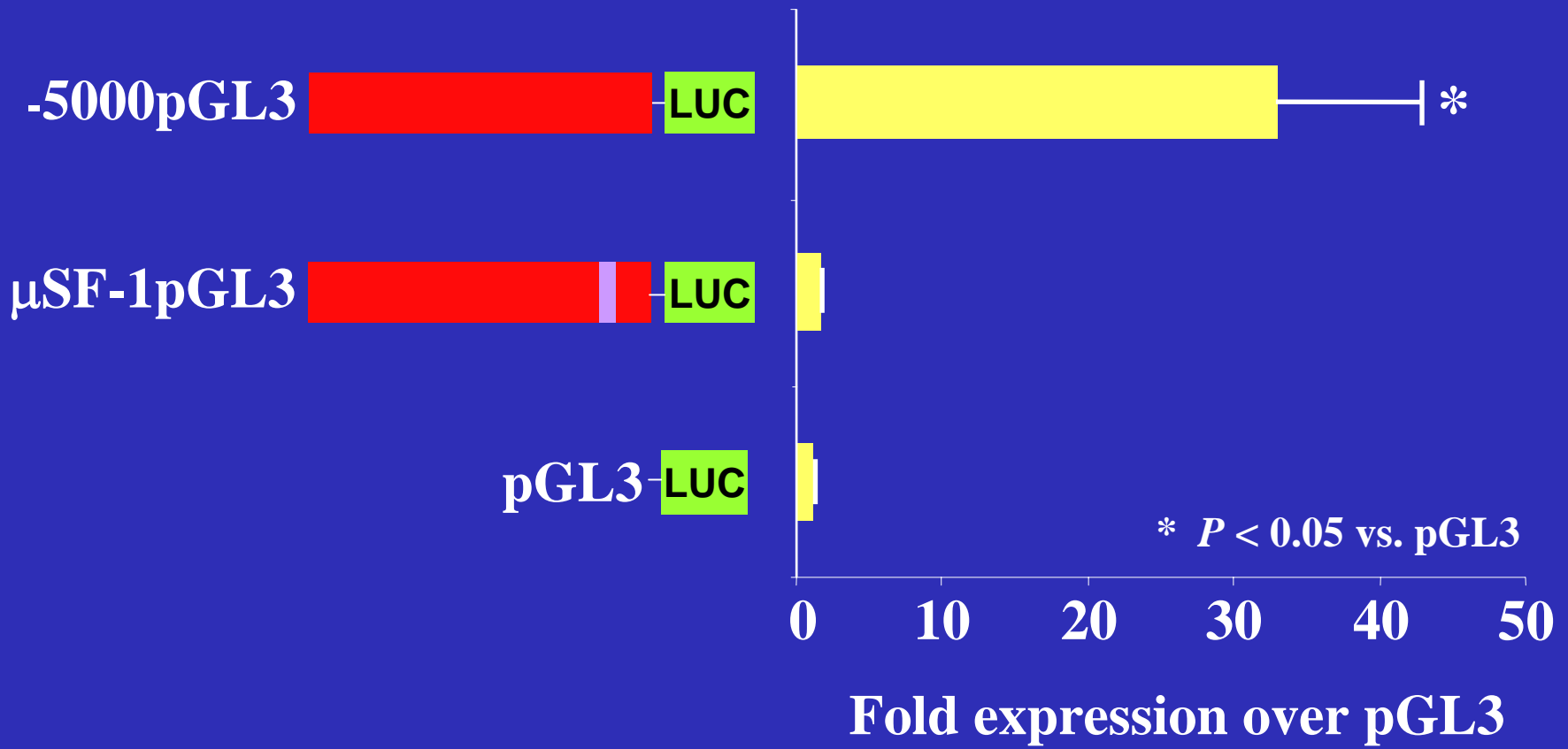
Transfection



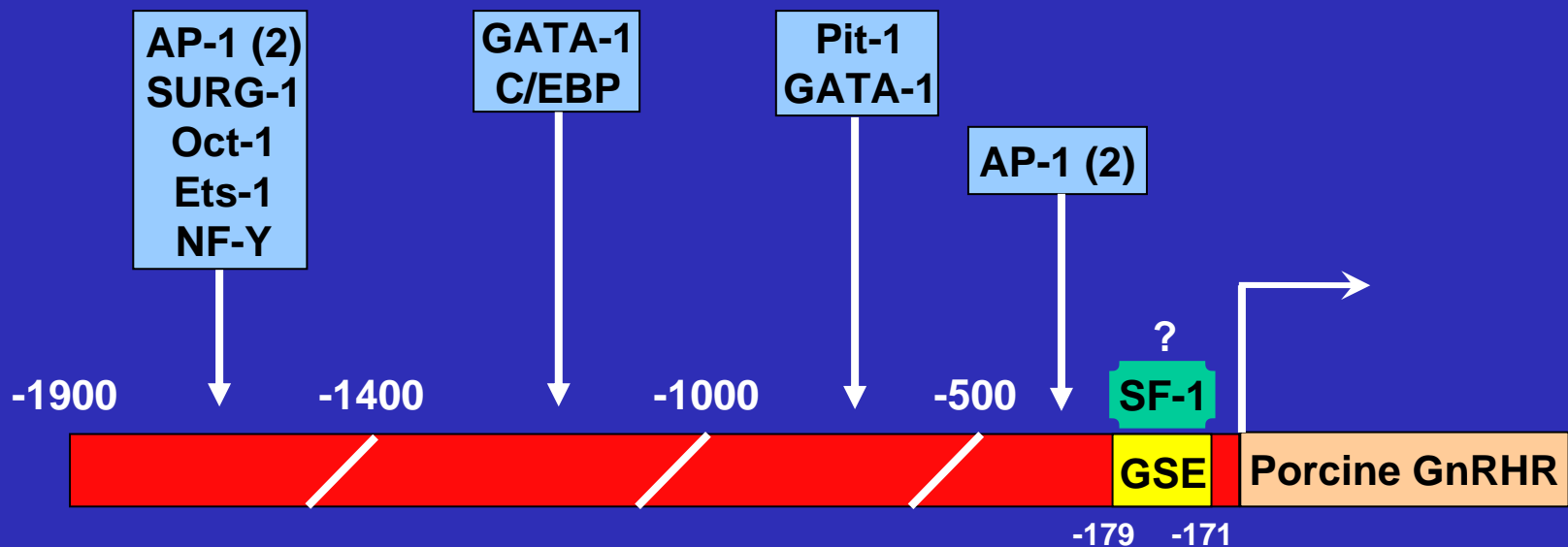








Hypothetical Cell-Specific Promoter for the Porcine GnRH Receptor Gene

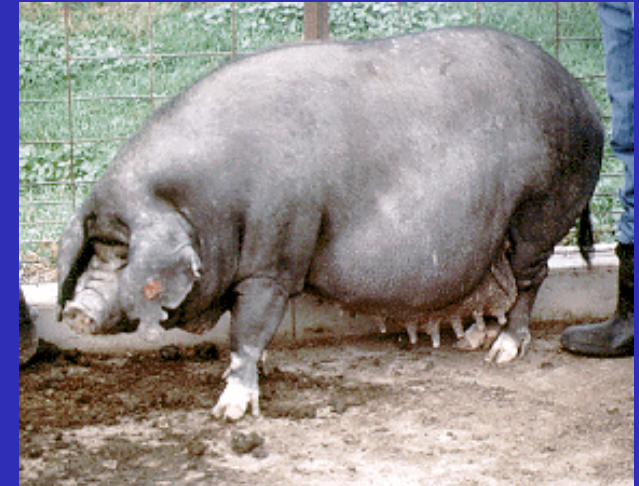


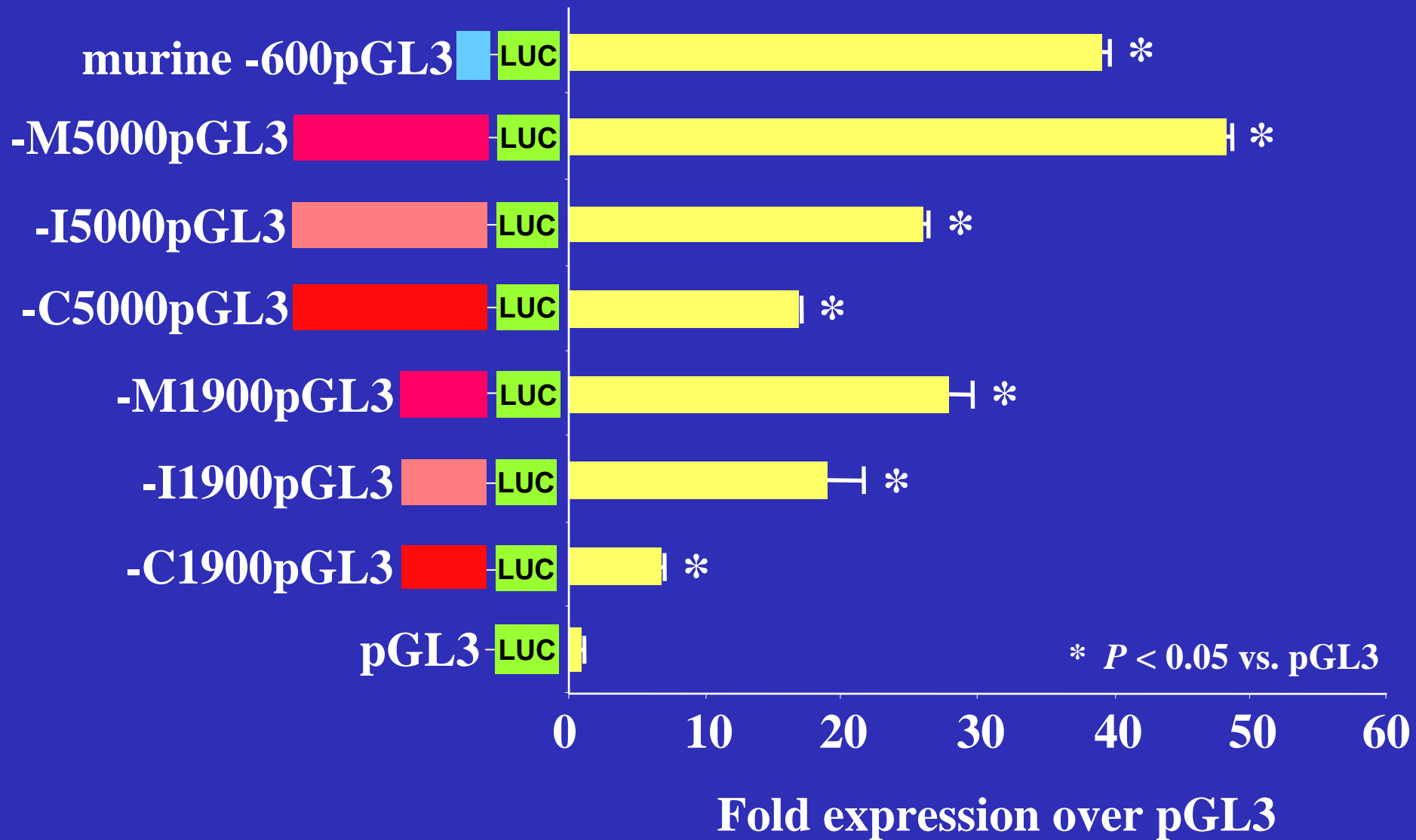
GnRHR |

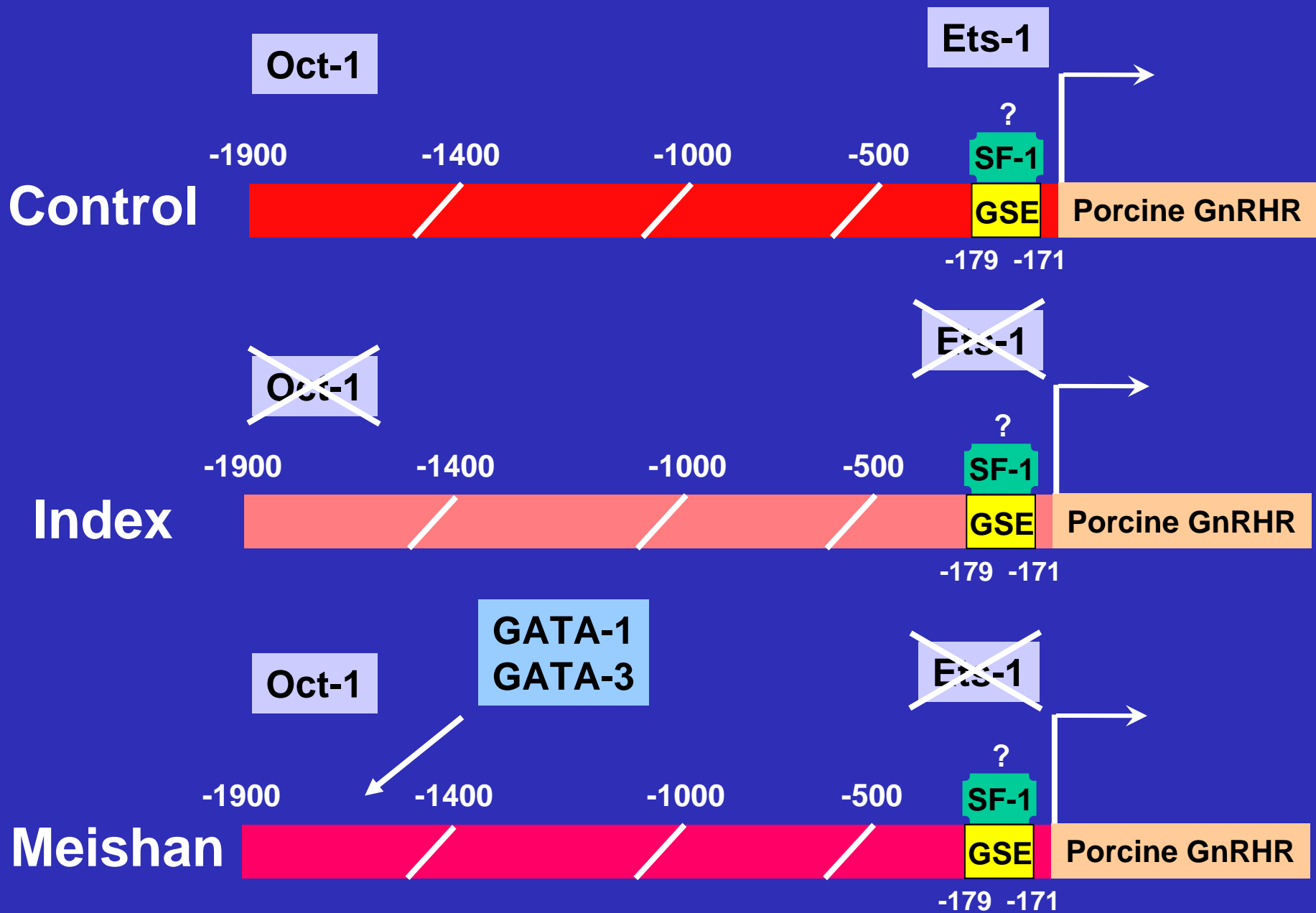


QTL for
Ovulation Rate

Porcine Chromosome 8







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