Supporting Information

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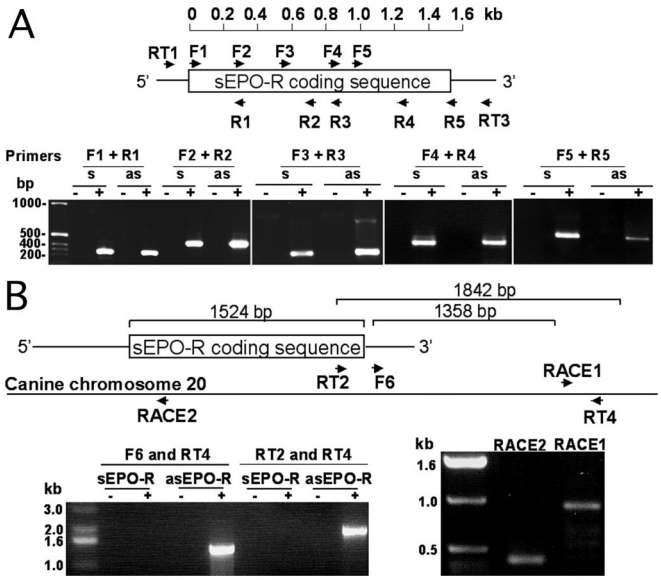

Fig. S1. Amplification of sEPO-R and asEPO-R transcripts. (*A*) Strand-specific RT-PCR of sEPO-R and asEPO-R transcripts within the EPO-R-coding region. First-strand cDNA was synthesized with primer RT3 for sEPO-R, and with RT1 for asEPO-R. PCR primers are shown as either forward (F) or reverse (R). (*Upper*) Location of primers. (*Lower*) Representative gels of RT-PCR products with different combination of primer pairs. s, sEPO-R; as, asEPO-R; dash, negative reaction control in which no reverse transcriptase was included in the RT step, plus sign, all components added in the RT reactions. (*B*) Amplification of asEPO-R transcripts in noncoding regions of EPO-R. For strand-specific PCR, first-strand cDNA was synthesized with primer RT-4 for sEPO-R, and with RT-2 for asEPO-R. (*Upper*) Location of primers. (*Lower left*) Representative gel of strand-specific RT-PCR. (*Right*) RACE PCR for 5′ end (RACE1) and 3′ end (RACE2) of asEPO-R cDNA.

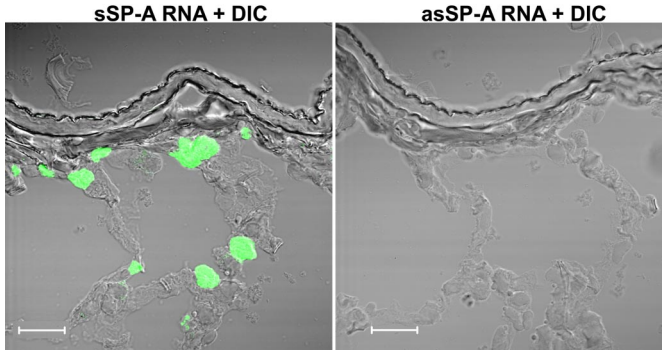

Fig. S2. *In situ* hybridization of canine SP-A transcripts as a lung-specific control gene. (*Left*) Sense SP-A mRNA (green) was detected by antisense SP-A cRNA probe superimposed on the corresponding DIC image (positive control). (*Right*) No signal was detected for antisense SP-A mRNA using sense SP-A cRNA probe (negative control). (Scale bar, 20 μm.)

Table S1. Oligonucleotide primers

Primer	Sequence (5′ to 3′)	Location (relative to EPO-R coding region)	Use
RT1	ACTTGGAGGCGCCTGGCCAGGA	5′ UTR	Synthesize first-strand asEPO-R cDNA
RT2	ACAGCCCCTTCTTAAACC	Exon 8	Synthesize first-strand asEPO-R cDNA, RT-PCR
RT3	CCAGAATTTCAGACTGAGC	3′ UTR	Synthesize first-strand sEPO-R cDNA
RT4	AGGAAGAGGAAGAGAGTGG	3′ UTR	Synthesize first-strand sEPO-R cDNA, RT-PCR
RACE1	GGCATGATAGGTACATGG	3′ UTR	As EPO-R 5′end race
RACE2	GTGGATGATGCGGCGATAGAGC	Exon 3	As EPO-R 3′end race
F1	ATGAATCACCTATGGACGCACC	Exon 1 (start codon)	RT-PCR
F2	GGTCGGCCCAGACAACTACA	Exon 2	RT-PCR
F3	ATCTCAGGCAGCGTCGCAGG	Exon 4	RT-PCR
F4	GACGCTGTCTCTCATTCTCG	Exon 6	RT-PCR, RNA probe synthesis
F5	CCACCCACAAGGGTAACTTCCAGC	Exon 7	RT-PCR
F6	AGGGGCAGCAGTAAAAGG	3′ UTR	RT-PCR
R1	AGGCTGCACGTTTTCCAGG	Exon 3	RT-PCR
R2	GCGCGAACCATGAAGGTGTAACG	Exon 5	RT-PCR
R3	CCAGCAGCAGCAGGATGAGC	Exon 6	RT-PCR
R4	CATGGCTACTATGTCCAAACTGC	Exon 8	RT-PCR, RNA probe synthesis
R5	GAGTCCTAGGAGCAGGCCACATAG	Exon 8 (stop codon)	RT-PCR