

# Supporting Information

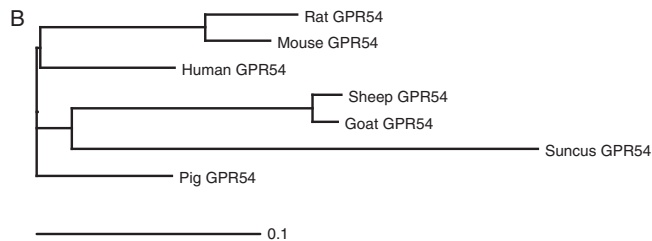
Inoue et al. 10.1073/pnas.1113035108

**A**

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86  ATGGCAAGCCTGGAGGGCAGCCAGGAGGAAGAACCTTGATGTCATGAGCACCCCTGGCC 145
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146 ACGTCTGGGATAAATGAGTCTGAGAAGTGGGGGTGCTCACCATGCCTCGGCTAGCTCG 205
    T S G I N E S E N W G V L T N A S A S S
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1646 AATAATCTTGCTTCAACACCCACAAAAAAAAAAAAAAAAAAAAAAAAAA 1696
  
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**Fig. S1.** Identification of suncus *Gpr54* gene. (A) Nucleotide and deduced amino acid sequences of the suncus G protein-coupled receptor 54 (*Gpr54*) gene. Transmembrane domains (TM1–7) are underlined. Two motifs, D/ERY/W and NPxxY, conserved in the rhodopsin-like guanine nucleotide-binding protein coupled receptor (GPCR) family, are indicated by closed circles. The asterisk indicates a stop codon. (B) A phylogenetic tree of amino acid sequences of GPR54 is available from each database. An unrooted tree was built using neighbor-joining based on alignment of GPR54 amino acid sequences. Scale indicates divergence time.

