(A)

M<u>**NYTSYILAFQLCVILCSSGCNC**</u>QAMFFKEIENLKEYFNASNPDV
SDGGSLFVDILKKWREESDKTIIQSQIVSFYLKLFDNFKDNQIIQRS
MDTIKEDMLGKFLNSSTSKREDFLKLIQIPVNDLQVQRKAINELIKV
MNDLSPRSNLRKRKRSQNLFRGRRASK*

(B)

MSYYHHHHHHDYDIPTTENLYFQGAMDPEFQAMFFKEIENLKEYF
NASNPDVSDGGSLFVDILKKWREESDKTIIQSQIVSFYLKLFDNFKD
NQIIQRSMDTIKEDMLGKFLNSSTSKREDFLKLIQIPVNDLQVQRKA
INELIKVMNDLSPRSNLRKRKRSQNLFRGRRASK*

Figure S1. Amino acid sequences of native and recombinant canine IFN gamma (cIFNγ). **(A)** The full-length amino acid sequence of native cIFNγ. The signal peptide is indicated by bold and underlined text. **(B)** The deduced amino acid sequence of the recombinant cIFNγ construct expressed using the pPROExHTa vector. The N-terminal His[6]-tag and the restriction site-derived spacer region are highlighted in grey and yellow, respectively. In both panels, the mature cIFNγ sequence is highlighted in green, and the start (M) and stop (*) codons are marked in red.