**Additional File 1. Rat Pnoc overexpression sequence**

ACCGGTCGCCACCATGAAAATCCTGTTTTGTGATGTCCTGCTGCTCAGCCTGCTCTCCAGCGTGTTCAGCAGCTGTCCCGAGGACTGCCTCACCTGCCAGGAGAGGCTCCACCCGGCTCCGGGCAGCTTCAACCTGAAGCTGTGCATCCTCCAGTGTGAAGAGAAGGTCTTCCCCCGCCCTCTCTGGACTCTTTGCACCAAAGCCATGGCCAGTGACTCTGAGCAGCTCAGCCCTGCTGATCCAGAGCTCACGTCCGCTGCTCTTTACCAGTCGAAAGCCTCGGAGATGCAGCACCTGAAGAGAATGCCGCGTGTCAGGAGTGTGGTGCAAGCCCGAGACGCAGAGCCTGAGGCAGATGCAGAGCCTGTCGCAGATGAGGCCGATGAGGTGGAGCAGAAGCAGCTGCAGAAAAGGTTTGGGGGCTTCACTGGGGCCCGGAAGTCAGCCCGGAAGTTGGCCAACCAGAAGCGGTTCAGTGAGTTTATGAGGCAGTACCTGGTCCTGAGCATGCAGTCAAGCCAACGCCGGCGCACTCTGCACCAGAATGGTAATGTGACCGGT

(Red indicates PNOC mRNA sequence, ACCGGT is AgeI enzyme cutting site)