Exon1: ATGGTCCCTTCCCAGACCCTGGTGTGTGCCAGTGCTTGCCCTGGCAG
Initiation codon
TCCTGCAGGCCCTGGCCTCAGACACCTTCATCGCAGCCGTGTACGAGCACGCCG
TCATCCTGCCACGCACCATTCACAAGGTTTCTCCTGCTGATGCTTTGGCCCTGAT
GAACAGAAACATGGATGTTCTGGAAGGAGGCTGTCAAGGAAGCAGCCCAGCAG
Exon2: GGTGCCCGCATCATTGTGACTCCTGAGGATGGCATTTATGGCTGGGTTTTCAC
sgRNA2#
sgRNA3#
GAGGGAAACCATTTACCCCTACCTGGAGGATATTCCTGATCCAGAGGTGAACTGGA
sgRNA1#
TTCCCTGCACCGATCCCACAAG

Supplementary Figure S2. Schematic representation of the sgRNA and RT-qPCR primer targeting *VNN1* gene

The single underline in exon 1 represented the initiation codon ATG, the italic plus single underline in exon 2 was marked with different sgRNA, and the double underline in exon 3 and exon 4 was labeled with *VNN1* fluorescence quantitative primer.