

**Supplementary Table 1. Primers used for plasmid generation**

<b>Gene</b>	<b>Primers</b>	
hNit1 NM_005600.2	forward	5'-GCGGAATTCAGATCTGCCACCATGCTGGGCTT CATCACCAGG-3'
	reverse	5'-GCGCTCGAGAGATCTAGACAGTGGGTGACCCA G-3'
mutagenesis of endogenous hNit1 BamHI site	forward	5'-CTTACCTATCCTTCAGCTTTTGGCTCCATTACA GGCCAGCCC-3'
	reverse	5'-GGGCTGGGCCTGTAATGGAGCCAAAAGCTGA AGGATAGGTAAG-3'
hNit1 NM_001185094	forward	5'-GCGGGATCCGCCGCCATGGCTATCTCCTCTTC C-3'
hNit1+stop	reverse	5'-GCGGGATCCTTAAGACAGTGGGTGACCCAG-3'
hNit1-stop	reverse	5'-GCGGGATCCAGACAGTGGGTGACCCAG-3'
hNit1ΔC+stop	reverse	5'-GCGGGATCCTTACACAGGCAGGTGTCG-3'
hNit1ΔC-stop	reverse	5'-GCGGGATCCCACAGGCAGGTGTCGGCG-3'
hNit1C203A mutagenesis	forward	5'-GGCAAGATTGGTCTAGCTGTCGCCTATGACAT GCGGTTCCCTGAA-3'
hNit1C203A mutagenesis	reverse	5'-G TTCAGGGAACCGCATGTCATAGGCGACAGC TAGACCAATCTTGC-3'
hNit1- Drosophila linker-hFhit	reverse	5'-GCTGAACGACTGGGTTGGTTCCTTGCTGCGC AGTGGGTGACCCAGATTGCC-3'
	forward	5'-CGCAGCAAGGAACCAACCCAGTCGTTTCAGCTT TGGCCAACATCTCATCAAG-3'
dNitFhit	forward	5'-CGCGGATCCGCCGCCATGTCAACTCTAGTTAA TACC-3'
dNitFhit+stop	reverse	5'-CGCGGATCCCTAGCTTATGTCCGTCAG-3'
dNitFhit-stop	reverse	5'-CGCGGATCCGCTTATGTCCGTCAGAAA-3'
dNit1-stop	reverse	5'-GCGGGATCCTTAACGAAGGTTGTAGGCTGTTA AG-3'
dFhit	forward	5'-GCGGGATCCGCCGCCATGACCCAGGATCGAC CATTG-3'
hTCF-4	forward	5'-CGCGAATTCCATGCCGCAGCTGAACGGC-3'
□ΔNTCF-4	forward	5'-CGCGAATTCCGAAAACCTCCTCGGCA-3'

**Supplementary Table 2. Primers and UPL probes for qPCR**

<b>Gene</b>	<b>Primers</b>		<b>FAM dye-labeled Probe</b>
human Nit1	forward	5'-CTGCGAATGGTTTTGGCTA-3'	#9
	reverse	5'-GGGACAGGAATCTGTGAGGA-3'	
human sp5	forward	5'-GGGGAGACTCAGCAGACG-3'	#36
	reverse	5'-TGGGTCCCTATGTCCGAAG-3'	
human GAPDH	forward	5'-AGCCACATCGCTCAGACAC-3'	#60
	reverse	5'-GCCCAATACGACCAAATCC-3'	

Details on the Universal Probe Library technology can be found at <http://www.roche-applied-science.com/shop/CategoryDisplay?catalogId=10001&tab=&identifier=Universal+Probe+Library#tab-0>