

**Table S1. Sequence of Primers used for Quantitative RT-PCR (qRT-PCR).**

<b>Symbol</b>	<b>Name</b>	<b>Primers</b>
<i>Spt1</i>	<i>Serine-palmitoyl transferase 1</i>	TTTCCGGTTTAAAAGTGGTG CTGATGCTTGGAGGAGGAAG
<i>Spt2</i>	<i>Serine-palmitoyl transferase 2</i>	CATTGAGTCCAGAGCCAGAT ACACACTGTCCTGGGAGGAA
<i>CerS2</i>	<i>Ceramide synthase 2</i>	TGCCAAGATGTTAACTACGC TAGCCAAAGAAGGCAGGGTA
<i>CerS4</i>	<i>Ceramide synthase 4</i>	GGTGCATGCTCTCTTCATC GCTGTGGACCTTCAGAACTG
<i>Gcs</i>	<i>Glucoceramidesynthase</i>	GCCATGCAAACTCTGGTTC TGGACACCCCTGAGTTGAAT
<i>Gba</i>	<i>Glucosidase, beta, acid</i>	CCCCATTATTGTCGACATCC TCGGTTTAAACACGACCACAA
<i>aSMase</i>	<i>acid Sphingomyelinase</i>	CAGTTCTTTGGCCACTCA TCCGGGGTAGTTCCATCTA
<i>nSMase</i>	<i>neutral Sphingomyelinase</i>	ACGTGCTTACAAGGCAGTC AGGACACACAGCAACACCAG
<i>Cerk</i>	<i>Ceramide kinase</i>	GTCCTTCCCTCCAGCACAG GCACTTCCGGATAAGGATGA
<i>Asah1</i>	<i>Acyl-sphingosine amidohydrolases 1( acid Ceramidase)</i>	GCCCAGTGGGTAGGGTTTAT CACATACCATCTGCCATGCT
<i>Sphk1</i>	<i>Sphingosine kinase 1</i>	GATGCATGAGGTGGTGAATG AACAGCAGTGTGCAGTTGAT
<i>Sphk2</i>	<i>Sphingosine kinase 2</i>	GAAGGCATTGTCCTGTGTC GCAGAGAAGAAGCGAGCAGT
<i>S1pp1</i>	<i>Sphingosine-1-phosphate phosphatase 1</i>	GGGCTGATTCTCATTCCCTG AAATCAAGTGAAGCCCGATG
<i>Sgpl1</i>	<i>Sphingosine-1-phosphate lyase 1</i>	GATGTCTGCTAAGGGGTGGA ATAGATGGCACCCATTCTG
<i>SIP1</i>	<i>SIP receptors 1</i>	GGATCGCGCGGTGTAGAC GCTAGAGGGCGAGGTTGAG
<i>SIP2</i>	<i>SIP receptors 2</i>	CACTATGTGCTCTGCGTGGT GGCGATGTAGGCATATGCA
<i>SIP3</i>	<i>SIP receptors 3</i>	CCTCATCACCACCATCTCT TGGAGTAGAGGGGCAAGATG
<i>Gfap1</i>	<i>Glial fibrillary acidic protein 1</i>	GCCAGTTACCAGGAGGCACT ATGGTGATGCGGTTTTCTTC
<i>Ho1</i>	<i>Heme oxygenase 1</i>	TCTATCGTGCTCGCATGAAC CTGTCTGTGAGGGACTCTGG
<i>Fosl1</i>	<i>FOS-like antigen 1</i>	AGAGCGGAACAAGCTAGCAG CAAGTACGGGTCTGAGAA
<i>Icam1</i>	<i>Intercellular adhesion molecule 1</i>	TCAAACGGGAGATGAATGGT AGTTTTAGGGCCTCCTCTG
<i>Ccl2</i>	<i>Chemokine (C-C motif) ligand 2</i>	GTTAATGCCCACTCACCTG TTCCTTATTGGGGTCAGCAC
<i>Cxcl1</i>	<i>Chemokine (C-X-C motif) ligand 1</i>	TAGCCCACTCAAGAATGGT CTCCATTACTGGGGACACC

<i>Cxcl10</i>	<i>Chemokine (C-X-C motif) ligand 10</i>	<i>CATCGACTTCCATGAACAGC TCTTGATGGCCTCAGATTCC</i>
<i>Il1b</i>	<i>Interleukin 1, beta</i>	<i>CTGAAAGCTCTCCACCTCAA AACCGCTTTTCCATCTTCTT</i>
<i>Il6</i>	<i>Interleukin 6</i>	<i>TGTGCAATGGCAATTCTGAT GGAAGTTGGGGTAGGAAGGA</i>
<i>Gapdh</i>	<i>Glyceraldehyde-3-phosphate dehydrogenase</i>	<i>CTGAACGGGAAGCTCACTG ACCACCCTGTTGCTGTAGC</i>
<i>Rpl-19</i>	<i>Ribosomal protein L19</i>	<i>TCGTGCTTCCTTGGTCTTAG TCACAGCCTGTACCTGAAGG</i>
<i>Hprt</i>	<i>Hypoxanthine phosphoribosyltransferase</i>	<i>TTGGGGCTGTACTGCTTAACC CTTTGCTGACCTGCTGGATTAC</i>