

Table S1  
*Primer pairs used for qPCR*

Gene Name	Primer pair
Mouse SphK1	5'-GGAACCTTGACTGTCCATACC-3' 5'-TACCATCAGCTCTCCATCC-3'
Mouse SphK2	5'-GCACGGCGAGTTTGGTTC-3' 5'-GAGACCTCATCCAGAGAGACTAG-3'
Mouse S1PR1	5'-TTTCATCTGCTGCTTCATCATCC-3' 5'-GGTCCGAGAGGGCTAGGTTG-3'
Mouse S1PR3	5'-AAGCCTAGCGGGAGAGAAAC-3' 5'-TCAGGGAACAATTGGGAGAG-3'
Mouse Actin	5'-TGCGTGACATCAAAGAGAAG-3' 5'-GATGCCACAGGATTCCATA-3'
Human SphK1	5'-CTTGCAGCTCTTCCGGAGTC-3' 5'-GCTCAGTGAGCATCAGCGTG-3'
Human SphK2	5'-CTGTCTGCTCCGAGGACTGC-3' 5'-CAAAGGGATTGACCAATAGAAGC-3'
Human S1PR1	5'-TGCGGGAAGGGAGTATGTTT-3' 5'-CGATGGCGAGGAGACTGAAC-3'
Human S1PR3	5'-TGATTGTGGTGAGCGTGTTC-3' 5'-GGCCACATCAATGAGGAAGAG-3'
Human GAPDH	5'-GAAGGTGAAGGTCGGAGTC-3' 5'-GAAGATGGTGATGGGATTTTC-3'