

Insulin receptor based lymphocyte trafficking in the progression of type 1 diabetes

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Table S1. 3xFLAG-miR sequencing primers.

PRIMER ID	Sequencing: 3xFLAG-miR
F1	5'-AGGCTCCCGTCTCTTCTTCAACT-3'
F2	5'-GCCTGGGCAACTGTTCGGA-3'
F3	5'-CAACATCCGAGGGGGCAACA-3'
F4	5'-CCCTACTGCCCCCGACT-3'
F5	5'-GGCAACATCACACTACCTGG-3'
F6	5'-CGGGCTACCTCTCTGGCAG-3'
F7	5'-TGAGGCAGAGACCCGTGTTG-3'
F8	5'-ATCGGAAAGGGGGCAAGGGA-3'
F9	5'-TGGAGTTTGAAGACATGGAGAAT-3'
R10	5'-CTGGTCAGGTTGTTCCGGATGTC-3'
R11	5'-CAGGATACGGGACCAGTCGA-3'
R12	5'-CACTCGGGGATGCACTTATTG-3'
R13	5'-TTGTGTTTGCTCCAGTCCCAGA-3'
R14	5'-CGCATCAGCCACCCAGGG-3'
R15	5'-CATGAGTCACAGGGCCAACGA-3'
R16	5'-TGCATACAGTGGTCCATTGG-3'
R17	5'-GGGCGGCCTGGGTTATTCTCA-3'
R18	5'-GCCTCCATCCATGACAACTTC-3'
R19	5'-TGTGGGTATAGGGGATGTGTTTC-3'

Table S2. qRT-PCR mRNA and DNA primers.

PRIMER ID	Quantitative-PCR: mRNA and DNA
Cre-Fr	5'-CTGTTACGTATAGCCGAAATTGCCAGGA-3'
Cre-Rv	5'-ACACGGGCACTGTGTCCAGACCAG-3'
LacZ-Fr	5'-ATCCTCTGCATGGTCAGGTC-3'
LacZ-Rv	5'-CGTGGCCTGATTCATTCC-3'
3xFLAG-Fr	5'-TCTGCACTTCTGATCCTAGCTCTTGTTG-3'
3xFLAG-Rv	5'-TGCGGCCGCAAGCTTGCAT-3'
hGAPDH-Fr	5'-ACCACAGTCCATGCCATCAC-3'
hGAPDH-Rv	5'-TCCACCACCCTGTTGCTGTA-3'
pCAG-DNA-Fr	5'-GTGCTGGTTATTGTGCTGTCTC-3'

Figure S1. qRT-PCR primer alignment. Schematic of Cre recombinase inducible gene expression of 3xFLAG-miR in the absence (-) or presence (+) of the enzyme Cre recombinase. Primer design for mRNA analysis can be found under the Cre- cell image. If recombination has not occurred only the Lac-Z gene should be expressed. Upon Cre recombination the Lac-Z gene should be ablated allowing for the expression of 3xFLAG-miR construct. Primer design for DNA recombination analysis can be found under the Cre+ cell image. Recombination and elimination of the Lac-Z decoy should allow for the generation of a specific DNA recombination specific fragment as illustrated. pCAG-DNA-Fr can also be utilized as a sequencing primer to identify the LoxP site downstream of the CAG promoter. The presence of the Lac-Z gene will prevent formation of the 3xFLAG-miR specific DNA fragment. All fragments are not drawn to scale.

qRT-PCR Primer Alignment

