

Table S1 shRNA sequences

| shRNA | Sequence |
|------------|-----------------------|
| sh-GTF2I-1 | CGGATGAGTGTAGATGCTGTA |
| sh-GTF2I-2 | CCACAGAAGATTCTGGCATT |
| sh-FAT1-1 | CCGGCATATAAGCTGAGCATA |
| sh-FAT1-2 | GCCTGTTTATTACCCAGAAAT |