**Table S9. Nucleotide sequences used in triplex assays.**

| Name | Sequence（5′ to 3′） |
| --- | --- |
| AD000684.2-TFO | AAGCAGGGGAAGGTAAGAGAAGACAGAAGACAGAGAGAGAGG |
| AD000684.2-TFO-mut | AAGCAGCGGTTGGTAACAGATCACAGAAGACAGTCAGACTGG |
| SLC23A3-FAM | GCAGAATGTTTTCTCTCCATCCTCTCCTCTCTTCTACCAGGTGTCCGGGG-TEG-FAM |
| CPT1B-FAM | GGGTTCTGAGCTAGACGGGAGAGGCAGACAGGGCACTGGTGCCTGGTGTG-TEG-FAM |
| MSH5-FAM | CTCCTATCTCAGTAGCTCCTCTTTCCCTCTCTGGGCTTCTCTTTCCACTC-TEG-FAM |
| KAT2A-FAM | TTCTATAGAGAGCACCCGAGAGAGAGAGGAGAAGGAGAACCTTGTCCCTG-TEG-FAM |
| LYG1-FAM | TTCCCCTTCTCACTCTCTCTCTCCTTCTCACTCTCTCTCTCTTTCTCTCT-TEG-FAM |