### A

| Name                  | gRNA sequence                                      |
|-----------------------|----------------------------------------------------|
| Control (non target)  | 5'-CGGGAGACGTGACCGTCTCCTTTTTTTTTTTT-3'             |
| Guide1 (Luc1)         | 5'-GCTGCGTTCTTTTTTAGTCCTTCTAGGAG-3'                |
| Guide2 (Luc2)         | 5'-CCGGTTCTTCCCGCTTTTTCTAGCGGCAC-3'                |

### B

| Gene Symbol | Sense primer (5’ to 3’) | Antisense primer (5’ to 3’) | NCBI Refseq   | Species |
|-------------|-------------------------|-----------------------------|---------------|---------|
| FADS1       | 5’-GCGCCAGCAATCCACTCC-3’| 5’-TCGTCCAGGTGAGTAGGCGG-3’  | NM_013402.7   | Human   |
| FADS2       | 5’-GAAGCATAACCTGCACCC-3’| 5’-ACCAATCAGCAGGGTCTTA-3’  | NM_001281501.1| Human   |
| ELOVL5      | 5’-TGCTCTTCAAAGGTGCTC-3’| 5’-ACCCGATCGGAAGATCCGC-3’  | NM_001242828.2| Human   |
| SCD         | 5’-ACGGCTTGTGCCCTGGTATT-3’| 5’-CGATATCCGAAGGTGCGG-3’  | NM_005063.5   | Human   |
| ACA2        | 5’-GGGACGGTGAAAGACGGA-3’| 5’-CGTGAAACCAGGTGTACAGTA-3’| NM_006111.3   | Human   |
| HMGCS       | 5’-TGCTCTGTGGAGATGATCC-3’| 5’-TTATTTGCTCCAGGGCCA-3’ | NM_001166107.1| Human   |
| GAPDH       | 5’-GAGTCAACCCGGATTTTGTCG-3’| 5’-TTGATTTTGGAGGCGATCTCG-3’| NM_001166107.1| Human   |