**Table S1.** Primers for CAS9, over expression and gene expression analysis.

|  |  |
| --- | --- |
| Primer name | 5'-3' |
| For CRISPR/CAS9 | |
| hCD133-sgRNA-F | CACCGCCAATGGGTCCAGCTTTAT |
| hCD133-sgRNA-R | AAACATAAAGCTGGACCCATTGGC |
| hCD133-sgRNA-1F | CACCGCAACAGGGAGCCGAGTACGA |
| hCD133-sgRNA-1R | AAACTCGTACTCGGCTCCCTGTTGC |
| hCD133-Cas9-F (650) | CATAAAGGGTCTGTGTTCTGAGT |
| hCD133-Cas9-R (650) | CGGCTGTACCACATAGAGAAAG |
| For over expression | |
| hCD133-CDS-F | TTGGCGCGCCGATGGCCCTCGTACTCGG |
| hCD133-CDS-R | GGATCCTCAATGTTGTGATGGGCTTGTC |
| For qPCR | |
| hCD133-1F | CCTCTGGTGGGGTATTTCTTT |
| hCD133-1R | CCAGTTTCCGACTCCTTTTG |
| hCD133-2F [1] | AGTCGGAAACTGGCAGATAGC |
| hCD133-2R | GGTAGTGTTGTACTGGGCCAAT |
| hCD133-qF | AATTATGAGACCCAAGACTCCCATAAAGCT |
| hCD133-qR | GTCATAATCAATTTTGGATTCATATGCCTTCTGTAAGA |
| hGAPDH-F [2] | ACAACTTTGGTATCGTGGAAGG |
| hGAPDH-R | GCCATCACGCCACAGTTTC |