

Name	Orientation	Sequence (5' -> 3')
shRNA-MmCar1-1_F	F	GTTCTGTATGAGACCACAGGGGT <u>CCCCAGAACAGTCAGAGCCTCATTCTCGAGAAATG</u> AGGCTCTGACIGTTCTTTTT
	Tm (°C) <sup>‡</sup>	79.5
shRNA-MmCar1-1_R	R	GACCCACCTCCAACCCCGAG <u>AAAAAGAACAGTCAGAGCCTCATTCTCGAGAAATGAG</u> GCTCTGACTGTCTCGGGG
	Tm (°C) <sup>‡</sup>	79.5
shRNA-MmCar1-2_F	F	GTTCTGTATGAGACCACAGGGGT <u>CCCCGCTTCCTTCATCTCTGGATTACTCGAGTAATCC</u> AGAGATGAAGGAAGCTTTTT
	Tm (°C) <sup>‡</sup>	79.0
shRNA-MmCar1-2_R	R	GACCCACCTCCAACCCCGAG <u>AAAAAGCTTCCTTCATCTCTGGATTACTCGAGTAATCCAG</u> AGATGAAGGAAGCGGGG
	Tm (°C) <sup>‡</sup>	79.0
shRNA-MmCar1-3_F	F	GTTCTGTATGAGACCACAGGGGT <u>CCCCCGTGGATGGAAGTAGATATTCTCGAGAATAT</u> CTAGTCCATCCACGGTTTTT
	Tm (°C) <sup>‡</sup>	78.8
shRNA-MmCar1-3_R	F	GACCCACCTCCAACCCCGAG <u>AAAAACCGTGGATGGAAGTAGATATTCTCGAGAATATCT</u> AGTCCATCCACGGGGGG
	Tm (°C) <sup>‡</sup>	78.8

### Supplementary Table 1: Oligonucleotides used

*Oligonucleotides used are indicated above. The annealing sequence is underlined. ‡: Tm was calculated using the Life Technologies Tm Calculator tool on the web.*