

pSico (plasmid for Stable RNA interference, conditional).

Reference: Ventura, Meissner, Dillon, McManus, Sharp, Van Parijs, Jaenisch and Jacks . PNAS 2004 "Cre-lox regulated conditional RNA interference from transgene".

The shRNA coding oligos have to be cloned in HpaI and XhoI. We design the oligos with the following format:

Sense 5'-T(N19)TTCAAGAGA(19N)TTTTTTC)

Anti sense 5'-TCGAGAAAAAA(N19)TCTCTTGAA(19N)A

Important: the N19 has to start with G. So search for target sequence that look like AA-G(N18)-TT. The two A's preceding and the two T's following the G(N18) are not absolutely necessary.

More detailed information and "pSicoligomaker", a program I have created to facilitate 19mers identification and oligos design will be e-mailed to you, and will soon be posted on the Jacks lab website: <http://web.mit.edu/ccr/labs/jacks/>

The CMV-GFP cassette can be removed with EcoRI-NotI and substituted with any other selection marker or with a simple stuffer.

Good luck with your experiments.

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