

**Supplementary Table 5.** 5'linker dilution.

component	concentration	volume	final concentration
5'nAnT-iCAGE_01 (N6 and GN5)	100 $\mu$ M	1 $\mu$ l	10 $\mu$ M
NaCl	0.1 M	9 $\mu$ l	0.09 M

Store the diluted linkers at -20 °C.