Table S4 sgRNA sequences for CRISPR

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| Target gene/ sgRNA sequence | Source |
| *pie-1* sgRNA (for c-terminal tagging)5’-GCTGAGAGAAGAATCCATCG-3’ | (Kim et al., 2014)  |
| *smo-1* sgRNA (for N-terminal tagging)5’-GAGACTCCCGCTATAAACGA-3’ | This study |
| *ubc-9* sgRNA (for G56R)5’-GGCTCGAACTTGCACTTTGG-3’ | This study |
| *mep-1* sgRNA (for C-terminal tagging)5’-GCGCAAAAGAAGGAAGACGG-3’ | This study |