|  |  |  |
| --- | --- | --- |
| **Guide RNA Type** | **Sequence (5’ to 3’)** | **References** |
| crRNA  tracrRNA | NNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUAUGCUGUUUUG  GGAACCAUUCAAAACAGCAUAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGCU | [1](#_ENREF_1) |
| crRNA  tracrRNA | NNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUA  UAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGCU | [1](#_ENREF_1) |
| crRNA  tracrRNA | ACNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUAUGCU  AGCAUAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGCU | [2](#_ENREF_2) |
| sgRNA | NNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUA----------gaaa-------------------UAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGC | [3-26](#_ENREF_3) |
| sgRNA | GGNNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUA----------gaaa-------------------UAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGC | [14](#_ENREF_14) |
| sgRNA | NNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUA----------gaaa-------------------UAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGgUgc | [27](#_ENREF_27), [28](#_ENREF_28) |
| sgRNA | NNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUA----------gaaa-------------------UAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGCggauc | [29](#_ENREF_29) |
| sgRNA | NNNNNNNNNNNNNNNNNNNNGUaUUAGAGCUA----------gaaa-------------------UAGCAAGUUAAuAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGC | [15](#_ENREF_15) |
| sgRNA | NNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUA----------gaaa-------------------UAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUG | [15](#_ENREF_15) |
| sgRNA | NNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUA----------gaaa-------------------UAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCA | [15](#_ENREF_15) |
| sgRNA | GGNNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUA----------gaaa-------------------UAGCAAGUUAAAAUAAGGCUAGUCCG | [30](#_ENREF_30) |
| sgRNA (aka v1.0) | NNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUA----------gaaa-------------------UAGCAAGUUAAAAUAAGGCUAGUCCG | [1](#_ENREF_1), [2](#_ENREF_2), [15](#_ENREF_15), [31-33](#_ENREF_31) |
| sgRNA | NNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUAUGCUGUUUUGgaaa---------CAAAACAGCAUAGCAAGUUAAAAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGC | [15](#_ENREF_15) |
| sgRNA | NNNNNNNNNNNNNNNNNNNNGUaUUAGAGCUAUGCUGUaUUGgaaa---------CAAuACAGCAUAGCAAGUUAAuAUAAGGCUAGUCCGUUAUCAACUUGAAAAAGUGGCACCGAGUCGGUGC | [15](#_ENREF_15) |
| sgRNA | NNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUAUGCUGUUUUGgaaa---------CAAAACAGCAUAGCAAGUUAAAAUAAGGCUAGUCCGUUAUC----------------------------- | [31](#_ENREF_31) |
| sgRNA (aka v2.1) | NNNNNNNNNNNNNNNNNNNNGUUUUAGAGCUAUGCU------gaaa---------------AGCAUAGCAAGUUAAAAUAAGGCUAGUCCGUUAUC | [31](#_ENREF_31), [33](#_ENREF_33), [34](#_ENREF_34) |

**Supplementary Table 1 Comparison of dgRNAs and sgRNAs used in various published studies.**

All sequences are aligned to highlight comparisons between and among various guide RNAs. For dgRNAs and sgRNAs, crRNA or crRNA-derived sequences are highlighted in yellow and tracrRNA or tracrRNA-derived sequences are highlighted in blue. Mismatches or additional sequences added to sgRNAs are shown in lowercase letters. Note: gRNAs may also include a poly-T tract as part of a RNA polymerase III termination signal that is not shown in these sequences.

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