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| **crRNA array sequencea,b,c,d,e,f** |
| **CATGTTTGACAGCTTATCATCGATAATCCGGAGCTAGCATGCGGCCGCTCTAGAACTAGTGGATCCCCCGGGCTGCAG***TCTTTGAAAAGATAATGTATGATTATGCTTTCACTCATATTTATACAGAAACTTGATGTTTTCTTTCGAGTATATACAAGGTGATTACATGTACGTTTGAAGTACAACTCTAGATTTTGTAGTGCCCTCTTGGGCTAGCGGTAAAGGTGCGCATTTTTTCACACCCTACAATGTTCTGTTCAAAAGATTTTGGTCAAACGCTGTAGAAGTGAAAGTTGGTGCGCATGTTTCGGCGTTCGAAACTTCTCCGCAGTGAAAGATAAATGATC****AATTTCTACTAAGTGTAGAT***CTGGTGGGAGAGAAAGCTTATGA***AATTTCTACTAAGTGTAGAT***GTGCCGTACGCCGGAGCCGACGG***AATTTCTACTAAGTGTAGAT***TGCCCCTCTTATACGATTATATT*TTTTTTTGTTTTTTATGTCT***GGGGGGCCCGGTACCCAGCTTTTGTTCCCTTTAGTGAGGGTTAATTCCGAGCTTGGCGTAATCATGGTCATAGCTGTTTCCTGTGTG** |
| a. Homology to pRN1120 (bold). b. SNR52 promoter (italics). c. Genomic target sequences (underlined). d. Guide direct repeats specific for LbCas12a (italics, bold). e. SUP4 terminator (italics). f. Homology to pRN1120 (bold). |