

Table S1. Primer sequences used in this study.

Primer name	5'-sequence-3'
B4-RcU6-1pro_F	ATAGAAAAGTTGTTTATTGCTCCAGTCCAAGGTCAC
B4-RcU6-1pro(533)_F	ATAGAAAAGTTGTTTAGTTGGCAGCCTTCAGATTTTC
B4-RcU6-1pro(307)_F	ATAGAAAAGTTGTTTTGCAATTATCCAGTCCTGCT
B1R-RcU6-1pro_R	TTTGTACAAACTTGCGCATGGTGCTTGCTTGTAGG
B4-RcU6-2pro_F	ATAGAAAAGTTGTTTGCCAATAATCACATCAAACAGG
B4-RcU6-2pro(504)_F	ATAGAAAAGTTGTTTGACAAGGCAATAGATTCAAC
B4-RcU6-2pro(289)_F	ATAGAAAAGTTGTTAAATGCAGTCAGTGAAGTTGC
B1R-RcU6-2pro_R	TTTGTACAAACTTGCACTTCAGAAGCTAGCTTGATTTTC
B4-RcU6-3pro_F	ATAGAAAAGTTGTTGTTTGGTGGGAGAATCAAGGAG
B4-RcU6-3pro(590)_F	ATAGAAAAGTTGTTTGGTTCAATAGCAGCTTTGGTG
B4-RcU6-3pro(315)_F	ATAGAAAAGTTGTTTCAGGCAGCCATGTGAAAGTT
B1R-RcU6-3pro_R	TTTGTACAAACTTGCCAACGGTGTCTGTTTGCCCTAATTC
B4-RcU6-4pro_F	ATAGAAAAGTTGTTTCCGACATAATGCTCCAGAGTC
B4-RcU6-4pro(596)_F	ATAGAAAAGTTGTTGAACCGGAAATGAGTTGACAAG
B4-RcU6-4pro(332)_F	ATAGAAAAGTTGTTATAATTAAATGGTTATTCGTTATTGTG
B1R-RcU6-4pro_R	TTTGTACAAACTTGCGCATCATGCTGCCTCCCGTTTG
B4-RcU6-5pro_F	ATAGAAAAGTTGTTTTTCTTCTTGGTAGGGTTTGC
B4-RcU6-5pro(550)_F	ATAGAAAAGTTGTTAATTACACATAAAATTGAATTACACATGTC
B4-RcU6-5pro(260)_F	ATAGAAAAGTTGTTTTTCTGGGAGGTATGCATCAA
B1R-RcU6-5pro_R	TTTGTACAAACTTGCGTAGCATGTCGTTTTTGTACTTATAAAC
B4-RcU6-6pro_F	ATAGAAAAGTTGTTATTTTCAGTTGCCGAAACTCTCC
B4-RcU6-6pro(611)_F	ATAGAAAAGTTGTTATGTTACACATGACAAGCAATACTAA
B4-RcU6-6pro(289)_F	ATAGAAAAGTTGTTCAATGTTTTCTTTTATGGAATTCTCG
B1R-RcU6-6pro_R	TTTGTACAAACTTGCCCAACCAGCTGTTTGCCCTAATTC
B1-Venus_F	AAAAAGCAGGCTTTATGGTGAGCAAGGGCGAGG
B2-VenusPTS1_R	AGAAAGCTGGGTT TCATAGCTTCGAAACCTTGTACAGCTCGTCCAT

Experiment

cloning for RcU6-1pro
cloning for RcU6-1pro(533)
cloning for RcU6-1pro(307)
cloning for RcU6-1pro, RcU6-1pro(533) and RcU6-1pro(307)

cloning for RcU6-2pro
cloning for RcU6-2pro(504)
cloning for RcU6-2pro(289)
cloning for RcU6-2pro, RcU6-2pro(504) and RcU6-2pro(289)

cloning for RcU6-3pro
cloning for RcU6-3pro(590)
cloning for RcU6-3pro(315)
cloning for RcU6-3pro, RcU6-3pro(590) and RcU6-3pro(315)

cloning for RcU6-4pro
cloning for RcU6-4pro(596)
cloning for RcU6-4pro(332)
cloning for RcU6-4pro, RcU6-4pro(596) and RcU6-4pro(332)

cloning for RcU6-5pro
cloning for RcU6-5pro(550)
cloning for RcU6-5pro(260)
cloning for RcU6-5pro, RcU6-5pro(550) and RcU6-5pro(260)

cloning for RcU6-6pro
cloning for RcU6-6pro(611)
cloning for RcU6-6pro(289)
cloning for RcU6-6pro, RcU6-6pro(611) and RcU6-6pro(289)

cloning for Venus-PTS1
