

Supplementary Information

(a)

*GGAGTGATCAAAAGTCCCACATCGATCAGGTGATATATAGCAGCTTAGTTTATATAA
TGATAGAGTCGACATAGCGATTGACCTGATCGAGTAACTACTGggttttagagctagaaatag
caagttaaataaggctagtcggtatcaactgaaaaagtgccaccgagtcggtgcTTTTTTTTGCAAAATTT
CCAG*

(b)

*AGGCTACGAAATAATCCCACATCGGAAACCTCTGTCTACAAGGACTTCTTTATATAC
AATTGACTCCCATCTAAGCTTGACCTGATCGAGTAACTACTGggttttagagctagaaatagca
agtttaaataaggctagtcggtatcaactgaaaaagtgccaccgagtcggtgcTTTTTTTTGCAATTTTTTGC
AA*

Table S1. Sequences of guide RNA constructs.

(a) *AtPDS74* incorporating *Arabidopsis U6-26* promoter consensus sequence and terminator sequence; (b) *FvPDS74* incorporating *F. vesca U6III* promoter sequence and terminator sequence, FvAssembly 1.1, LG4. Components are denoted as follows: promoter and terminator sequences are italicised; the target guide sequence 'Fv74' is in bold font; the scaffold sequence is in lower case font; an additional guanine base preceding the guide sequence is underlined.