

Table S1. Oligonucleotides used in this study.

sgRNA cloning		
LAPAU2501	ATTG ATGAGGAGATATTATCTG	VQ33-42
LAPAU2502	AAAC CAGATAATATCTCCTCAT	VQ33-42
LAPAU2503	ATTG CCTTAACGTATTGATCATT	VQ33-38
LAPAU2504	AAAC AATGATCAATACGTTAAGG	VQ33-38
LAPAU2505	ATTG GGTCATCGTTGCTTCTCAG	VQ33-1
LAPAU2506	AAAC CTGAGAAGCAACGATGACC	VQ33-1
LAPAU2507	ATTG CGGAGAGTCTGGAGATCTT	VQ19-34
LAPAU2508	AAAC AAGATCTCCAGACTCTCCG	VQ19-34
LAPAU2509	ATTG GGACTGTTAAGTGCAAGCT	VQ19-6
LAPAU2510	AAAC AGCTTGCACTTAACAGTCC	VQ19-6
LAPAU2648	ATTG ATAAGGCATCGGTGTTAAG	GLB3-3
LAPAU2649	AAAC CTTAACACCGATGCCTTAT	GLB3-3
LAPAU2650	ATTG ACCTTCGAGCCGAGCTCGG	GRXS17-4
LAPAU2651	AAAC CCGAGCTCGGCTCGAAGGT	GRXS17-4
LAPAU2819	ATTG ACTTCCCAAAATGACTCCAG	WRKY20-201
LAPAU2820	AAAC CTGGAGTCATTTTGGGAAGT	WRKY20-201
LAPAU2821	ATTG TATGGCTGCACAAGAAGAA	WRKY20-39
LAPAU2822	AAAC TTCTTCTTGTGCAGCCATA	WRKY20-39
LAPAU2830	ATTG GAGATTTGGTTCTCTGTTG	JAM2-109
LAPAU2831	AAAC CAACAGAGAACCAAATCTC	JAM2-109
LAPAU2834	ATTG TATTGCAGAGAGCCTAAAGA	JAM2-140
LAPAU2835	AAAC TCTTTAGGCTCTCTGCAATA	JAM2-140
LAPAU3059	ATTG CCTTGATAAATTGCGCCAGAG	GRXS17-133
LAPAU3060	AAAC CTCTGGCGCAAGTTATCAAG	GRXS17-133
LAPAU3061	ATTG ATTATGGAGCTAAGTGAGAG	GRXS17-67
LAPAU3062	AAAC CTCTCACTTAGCTCCATAAT	GRXS17-67
TIDE		
LAPAU2759	GTCGTCGCACGACAAAATA	VQ33-42
LAPAU2760	TCATCGTTGCTTCTCAGTGG	VQ33-42
LAPAU2761	CCTCATCATCATGACCAGCA	VQ33-38
LAPAU2762	GCTAAACAAAATCCGGAGATAGA	VQ33-38
LAPAU2763	CAACAACAACATGTTTCGCTAAG	VQ33-1
LAPAU2764	ATTGAGTGGCACACGTTGAA	VQ33-1
LAPAU2765	TTTTCCAAACTATTAGAGGAAACCA	VQ19-34 and VQ19-6
LAPAU2766	TTTTCCAAACTATTAGAGGAAACCA	VQ19-34 and VQ19-6
LAPAU2789	CAGCTGTACTGCAACGGAGA	GRXS17-4
LAPAU2790	GGAAAAGTTGGCCAGTTTGA	GRXS17-4
LAPAU2791	ATATGCCAAAAAGGCCCAAC	GLB3-3
LAPAU2792	TTGAAACCATTCTTCTTCGTCA	GLB3-3
LAPAU3063	TGGAACGAGGACGATAAAGC	JAM2-109
LAPAU3064	AGCTCTAACCGGAGGCAAAC	JAM2-109
LAPAU3065	AAGCGATTGTTGCGTCATTA	JAM2-140
LAPAU3066	GCAAATCCTTGCCGAATATC	JAM2-140
Cas9		
LAPAU3076	TCCCTCATCAGATCCACCTC	Cas9 genotyping
LAPAU3077	CTGAAACCTGAGCCTTCTGG	Cas9 genotyping
qPCR		
LAPAU1470	AGATATCTGAGGCTTACTCTGTTGC	GRXS17 Exon 2
LAPAU1471	TACCATCCTTGAAGAAGACGAAA	GRXS17 Exon 2
LAPAU1472	CGCCAAGGCCTTAAAGTGTA	GRXS17 Exon 3
LAPAU1473	CATAAGCTCGCCTTTCACG	GRXS17 Exon 3

Overhangs for type IIS cloning are indicated in bold.