

Supplemental Table S5: Reference number, sequence and description of oligonucleotides used in this study.

Primer Name	Sequence	Description
HL3510	CCTGATTGCCGACATTATC	Amplification of fragment containing Artificial Intron for homologous recombination - Forward
HL3511	ATTC AACGGAAACGTCTTG	Amplification of fragment containing Artificial Intron for homologous recombination - Reverse
HL1870	GTAATACGACTCACTATAGGGCTCCGCTTAAGGGAC	Linker for Illumina sequencing - Forward
HL1871	P- TAGTCCCTTAAGCGGAG-3AmMO	Linker for Illumina sequencing - Reverse
HL2216	CAAGCAGAAGACGGCATAACGAGCTTCCGATCTGTAATACGACTCACTATAGGGC	Linker-specific primer for Illumina sequencing - Reverse
HL3498	AATGATACGGCGACCACCGAGATCTACACTCTTCCCTACACGACGCTCTCCGATCTA CGTCTCACCGCAGTTGATGCATAGGAAGC	Tf1-specific primer for Illumina sequencing - Forward barcode #1
HL3512	AATGATACGGCGACCACCGAGATCTACACTCTTCCCTACACGACGCTCTCCGATCTT gcaCTCACCGCAGTTGATGCATAGGAAGC	Tf1-specific primer for Illumina sequencing - Forward barcode #2
HL3513	AATGATACGGCGACCACCGAGATCTACACTCTTCCCTACACGACGCTCTCCGATCTT tacCTCACCGCAGTTGATGCATAGGAAGC	Tf1-specific primer for Illumina sequencing - Forward barcode #3
HL3514	AATGATACGGCGACCACCGAGATCTACACTCTTCCCTACACGACGCTCTCCGATCTT atgCTCACCGCAGTTGATGCATAGGAAGC	Tf1-specific primer for Illumina sequencing - Forward barcode #4
HL2461	CCATTGACACGGATTGTTC	qRT-PCR act1 - Forward
HL2462	GAGCCTCAGTCAACAAGCAA	qRT-PCR act1 - Reverse
HL2719	ATGGTGGATATTGTACTCAAGATG	qRT-PCR Tf1 - Forward
HL2720	CCATGCCTTTCTATACGTTTC	qRT-PCR Tf1 - Reverse
HL3689	CTCTGAACGGGATGATTGG	qRT-PCR sat1 - Forward
HL3690	GAGTCAGTAGCACTGGAATG	qRT-PCR sat1 - Reverse
HL3680	CTTCGACGGAGCCATAAAG	qRT-PCR ssn6 - Forward
HL3681	CCGAAGTCACTGTGCAGAA	qRT-PCR ssn6 - Reverse
HL4037	TGCTCAGAAGCTGGAAAGA	qRT-PCR wee1 - Forward
HL4038	AAGGAGAGAAGAGCCCGAT	qRT-PCR wee1 - Reverse
HL3684	CTGGTTCTTGTACCCGGGA	qRT-PCR SPCC18B5.02c - Forward
HL3685	TTGCTTTTTCATGCTCTT	qRT-PCR SPCC18B5.02c - Reverse
HL3775	AGGCTGAAAAGCTCACTAGA	qRT-PCR mok13 - Forward
HL3776	CAGAATGGTGATCGAGGATGG	qRT-PCR mok13 - Reverse
HL3777	TGGCGTTATCTATTCGTTGG	qRT-PCR zrt1 - Forward
HL3778	AGCATAAGACCCATGAGCAAG	qRT-PCR zrt1 - Reverse
HL4344	TGTGCGGTTCAAAGAGGT	qRT-PCR any1 - Forward
HL4345	GAAGCGAACCGGGAAGAAAGC	qRT-PCR any1 - Reverse
HL4346	ACCCCGGATTGTTGACGA	qRT-PCR cat1 - Forward
HL4347	CCATCTCTCCCGTTGCCCT	qRT-PCR cat1 - Reverse
HL4348	TGCTTTGAAATCTCGGCACG	qRT-PCR put4 - Forward
HL4349	TCTGAAAGCGCAGAACCAGA	qRT-PCR put4 - Reverse
HL4354	TGCCAATTTGTACGAATGCC	qRT-PCR tsc1 - Forward
HL4355	TCAAATCGGGATAGCCTCCG	qRT-PCR tsc1 - Reverse
HL4356	TCCGGCGATAAAGCTCAACA	qRT-PCR rgs1 - Forward
HL4357	CATCGTCGAGAAGAGCTCCA	qRT-PCR rgs1 - Reverse
HL3701	T*C*C*ATTTTGAAAATCAATCCATACCGCACCGTCTCTCTCGTACTCCCTCATT GTGCAGTAAAGTGGGAGCCACGAAAATGTGAGCAATACTACACTACGC	Fusion PCR part 1 of Tf1 from plasmid, with 80bp of sat1-ssn6 target site for homologous recombination
HL3702	AGTTGGATTTCTCTCCACACG	Fusion PCR part 1 of Tf1 from plasmid, with 80bp of sat1-ssn6 target site for homologous recombination
HL3703	ACGAATCCGAGCCTGAAAAC T*T*A*TCTTAAAATAAGCGACATTTCAATCATCCATCGTTCTTCTCTCTCT	Fusion PCR part 2 of Tf1 from plasmid, with 80bp of sat1-ssn6 target site for homologous recombination
HL3704	CACAAACAATCGTTATATCCTTTTTCTGTTAGCTACGCAGTTTGG	Fusion PCR part 2 of Tf1 from plasmid, with 80bp of sat1-ssn6 target site for homologous recombination
HL3710	T*C*C*ATTTTGAAAATCAATCCATACCGCAC	Fusion PCR part 3 of Tf1 from plasmid, with 80bp of sat1-ssn6 target site for homologous recombination
HL3711	T*T*A*TCTTAAAATAAGCGACATTTCAATCA	Fusion PCR part 3 of Tf1 from plasmid, with 80bp of sat1-ssn6 target site for homologous recombination
HL4023	AACGCTGGAGGTAGGAGGAA	Amplification of a probe near sat1 for Southern blot
HL4024	CCACATGGGACAGGTATCTA	Amplification of a probe near sat1 for Southern blot
HL4025	CACGAACGTCTGAGGGTGAA	Amplification of a probe near wee1 for Southern blot
HL4026	CGGCTCAGTGTCCACAATA	Amplification of a probe near wee1 for Southern blot
HL4027	AGTGCTCCCTACAAGATGC	Amplification of a probe near zrt1 for Southern blot
HL4028	GGACGAAAAGTCGCTTACCCA	Amplification of a probe near zrt1 for Southern blot

* indicates a Phosphorothioate Bond modification