

## Appendix A

**Table S1** PCR primers used in this study

Name	Sequence
<i>Kpn</i> I-EF1a-F	atcgGGGTACCCCCGTGAGGCTCCGGTGCCCGTCAGTGGGCAG
<i>Xma</i> I-EF1a-R	atcgCCCCGGGGGTCACGACACCTGAAATGGAAGAAAAAAC
DC-mRJM-1-1-F	AATTCGCCCTACACAGGCGCTGGTACAGGAG
DC-mRJM-1-1-R	GATCCTCCTGTACCAG CGCCTGTGTA GGGCG
C-mRJM-1-1-F	caccGCCCTACACAGGCGCTGGTAC
C-mRJM-1-1-R	aaacGTACCAG CGCCTGTGTA GGGC
DC-mRJM-1-2-F	AATTCGAGTACCCCCTACACAGGCGCTGGAG
DC-mRJM-1-2-R	GATCCTCCAGCGCCTG TGTAGGGGGT ACTCG
C-mRJM-1-2-F	caccGAGTACCCCCTACACAGGCGC
C-mRJM-1-2-R	aaacGCGCCTG TGTAGGGGGT ACTC
DC-mRJM-1-3-F	AATTCGAGCGCCTGTGTAGGGGGTACTGGAG
DC-mRJM-1-3-R	GATCCTCCAGTACCCC CTACACAGGC GCTCG
C-mRJM-1-3-F	caccGAGCGCCTGTGTAGGGGGTAC
C-mRJM-1-3-R	aaacGTACCCC CTACACAGGC GCTC
LF-F1-1	CTGTATGGCGGGTTTCAAGG
LF-R1-1	CTGAGCTAGCCTGCCTGTAT
TB-LF-F	ACCCTGTGTGCAAGTCTAGG
TB-LF-R	GAGCCCAACAGTCTTCCCT
cas9-ZL-F1	GGCCTATTTCCCATGATTCCT
cas9-ZL-R1	GAACCACACACGGCACTTAC
cas9-ZL-F2	CCACACAAAGGAAAAGGGCC
cas9-ZL-R2	GCCCAGCACCTTGAATTTCT
cas9-ZL-F3	TCCAAGAGAGTGATCCTGGC
cas9-ZL-R3	TGGCCAACCTCCATCACTAGG
cas9-ZL-F4	GATCGACCTGTCTCAGCTGG
cas9-ZL-R4	GAACGTGGCGAGAAAGGAAG
OT-LF-F1	ACAAGGATTCTGGTGC GTT G
OT-LF-R1	TCCTGGCTGTGTTCAA ACT C
OT-LF-F2	GCAGTCTACAAACCCAGCAC
OT-LF-R2	TCTGACTTTGAGGACAGGCC
OT-LF-F3	GACCAATTCTAGGCGTGCAG
OT-LF-R3	GCACAGTCAACATGCCTAGG
OT-LF-F4	TGCCAGCTCTTTTACTTCAGC
OT-LF-R4	TCTAGGCGTGCAGAAGTTCT
OT-LF-F5	CGTGCAGAAGTTCTCCTGAG
OT-LF-R5	TGCCAGCTCTTTTACTTCAGC
OT-LF-F6	AGAAAATTTGCTTCCAGTCCAG
OT-LF-R6	GAGTGTGGGGTAGGGTAGC
OT-LF-F7	AAAATCTCCAAGCCAGCCTG

OT-LF-R7	ACATCTGCCCCTGTACTCAC
OT-LF-F8	GCCTCAGCCCAGATTCTAGG
OT-LF-R8	GGCAGCCGAGTAAATGTATGG
OT-LF-F9	GAGGATTGTGGGAGGGCAT
OT-LF-R9	TCCAAGGACACCATGAGACT
OT-LF-F10	ACCATCAACACTACCTTCCCC
OT-LF-R10	TGTACCTCCATCCCTCAAGAG
OT-LF-F11	TTTGACATTTACCAGGCATTTGT
OT-LF-R11	CAGCACTCCATTTTCATCAGCT
OT-LF-F12	TCTTCAGAGCCTTCCCAACC
OT-LF-R12	TTTGTCTCTGGTCCGGGTAC

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