

**Table S1.** Arbitrary PCR protocol for mariner transposon pBT20

	1st round	2nd round
Mix	2.5 µL 10xPCR buffer 2.5 µL 2 mM dNTP 1.25 µL 100 % DMSO 12.5 µL sterile demineralised water 2.5 µL 20 µM primer Rnd1-Pp1 (5'-GGC CAC GCG TCG ACT AGT CAN NNN NNN NNN GAT AT-3') 2.5 µL 20 µM primer Rnd1-Pp2(5'-GGC CAC GCG TCG ACT AGT ACN NNN NNN NNN ACG CC-3' ) 0.5 µL 20 µM primer Rnd1-TnM (5'-GTG AGC GGA TAA CAA TTT CAC ACA G-3') 0.5 µL of denatured template DNA 0.25 µL Taq polymerase	5 µL 10xPCR buffer 5 µL 2 mM dNTP 2.5 µL 100 % DMSO 31 µL sterile demineralised water 2 µL 20 µM primer Rnd2-Pp (5'-GGC CAC GCG TCG ACT AGT AC-3') 2 µL 20 µM primer Rnd2-TnM (5'-ACA GGA AAC AGG ACT CTA GAG G-3' ) 2 µL of template DNA from 1 <sup>st</sup> round 0.5 µL Taq polymerase
Thermocycler program	94 °C for 5 minutes 6 cycles of: - 94 °C for 30 seconds - 30 °C for 30 seconds - 72 °C for 1 minute 30 cycles of: - 94 °C for 30 seconds - 45 °C for 1 minute - 72 °C for 2 minutes 72 °C for 7 minutes 4 °C	94 °C for 5 minutes 30 cycles of: - 94 °C for 30 seconds - 45 °C for 30 seconds - 72 °C for 1 minute 72 °C for 7 minutes 4 °C