

TABLE S4**Comparison of 3' terminal inverted repeats among soybean transposable elements**

Transposon	3' TIR ^a	Identity to <i>Tgm9</i>
<i>Tgm9</i>	5'- CACTACTACAAATAAAGCTTTTTAAGTCGG -3'	100%
<i>Tgmt*</i>	5'- CACTACTACAAATAAAGCTTTTTAAGTCGG -3'	100%
<i>Tgm-express1</i>	5'- CACTACTACAAAAGAGGTTTTTTAAGTCGG -3'	87%
<i>Tgm1</i>	5'- CACTATTACAAAAAGTAGTTTTAACATCGG -3'	70%
<i>Tgm6</i>	5'- CACTACTACAAAAGCAGTTTTAACATCGA -3'	70%

^a Nucleotides in bold are identical to the ones in *Tgm9* 3'TIR.