

Supplementary table 1. Complete list of plant material used in the study.

Genus	Section	Subsection	Species	Accession code
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Leptospireae</i>	<i>M. minima</i> (L.) Bartal. (eng. little medic)	243205 ¹
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Leptospireae</i>	<i>M. laciniata</i> (L.) Mill. (eng. cut-leaf medic)	243370 ¹
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Leptospireae</i>	<i>M. polymorpha</i> L. (eng. bur medic)	243207 ¹
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. littoralis</i> Rohde ex Loisel. (eng. strand medic)	243371 ¹
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	A17 " <i>Jemalong</i> " ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L049 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L144 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L163 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L174 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L213 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L245 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L290 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L310 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L321 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L337 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L369 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L530 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L543 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L544 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L552 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L554 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L555 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L557 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	L648 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	A20 ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	2HA ²
<i>Medicago</i>	<i>Spirocarpos</i>	<i>Pachyspireae</i>	<i>M. truncatula</i> Gaertn. (eng. barrel medic)	R108 ²
<i>Medicago</i>	<i>Lupularia</i>	–	<i>M. lupulina</i> L. (eng. black medic)	243372 ¹
<i>Medicago</i>	<i>Medicago</i>	–	<i>M. sativa</i> L. (eng. alfalfa)	243208 ¹
<i>Medicago</i>	<i>Medicago</i>	–	<i>M. x varia</i> Martyn. (eng. bastard medic)	243096 ¹
<i>Medicago</i>	<i>Medicago</i>	–	<i>M. falcata</i> L. (eng. sickle alfalfa)	243267 ¹
<i>Lupinus</i>	–	–	<i>L. angustifolius</i> L. (eng. narrow-leaf lupin)	Kardyl ³
<i>Lupinus</i>	–	–	<i>L. luteus</i> L. (eng. yellow lupin)	Dukat ³
<i>Pisum</i>	–	–	<i>P. sativum</i> L. (eng. pea)	Cysterski ³
<i>Phaseolus</i>	–	–	<i>P. vulgaris</i> L. (eng. bean)	Złota saxa ³
<i>Trifolium</i>	<i>Trifolium</i>	–	<i>T. pratense</i> L. (eng. cowgrass clover)	243118 ¹
<i>Trifolium</i>	<i>Trifoliastrum</i>	–	<i>T. repens</i> L. (eng. Dutch clover)	243125 ¹
<i>Vicia</i>	<i>Faba</i>	–	<i>V. faba</i> L. (eng. bell-bean)	Bizon ³

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Supplementary Table 2. Complete list of primers used in the study.

Insertion sites	Primers (5'-3')	
22	CCCTAGGTTTGCCATGTTGT	CGACTTGGTGGCCACTTTAT
23	GGCGTTGAACCTTCATGATT	TCTGCCGGTCCCATAACTTA
25	CTTGCTTTTGTGTGGGGTA	TCAAAGAATTCTAACCGCCG
32	CCGACGACATCGTGTCCCGTCTTTCCAA	CATTCCAAGGCCACCACCAACGTC
33	AACTAATTTCCCCTGATAACTGTAGA	AAACCATAACGTAAGTGAAAACTAAC
36	CGAATTAACCTCCGATGCTGA	ACACTGCCATAAGGCTCCAC
41	TTGCTCCATTTGTTCTCACG	GTGGAAGGCATGGATTTTGT
42	AGCGGTGCTAAATCAGAGGA	AGATTTTTGACCCGTGCTCC
47	AGTTGTTGGTTCTTGATCCATTT	CAAGAACTCTTCTTACAATTTTGT
52	TAGAAATACAATGACATGTGGGATG	AGACATAGAGATTGGAAATTGTTGC
63	TTGACAATGAGAGGTTGACTTAAAA	TTTCTTTTTAAGAGGAATCAGTGACA
76	TCATTTTACCGGATTCTTTTCA	GAACCCATTCAACAACACGA
83	CAACCTCGAACCTGACCAAT	GAAAAGGTTCCCAACGTGAA
111	CCCAGGAAATCTGGGAATTT	GGAAAAACATTGCCTTGGTG
111	GCTAACCAACTTCACTTCAAACAGT	ACGGCATAAAAAGAGGAGAATAAACT
Amplification of the DDE/DDD domain	AATCGATGAAAATAACAAATTGGAG	
	TAAAATCATCGTATCTCGACCCTAA	
	AATCGATGAAAATAACAAATTGGAG	