

Table S1. Segregation ratio of wt nodulation (wt) vs. mutant non-nodulation (*nnod*) (wt : *nnod*) phenotype in M5 plants derived from selected mutant lines

Mutant line ID	Number of M5 plants analyzed	Number of M5 plants derived from M4	wt : <i>nnod</i>	Number of M5 plants analyzed	Number of M5 plants derived from M4	wt : <i>nnod</i>
08IS-0647	12		6 : 1	10		6 : 1
08IS-0656	12		6 : 1	10		6 : 1
08IS-0771	12		2 : 1	10		2 : 1
08IS-0960	11		5 : 1	10		2 : 1
08IS-1001	9		7 : 1	10		5 : 1
08IS-1020	12		6 : 1	12		6 : 1
08IS-1022	12		4 : 1	10		2 : 1
08IS-1406	9		5 : 1	9		4 : 1
08IS-1895	12		2 : 1	11		3 : 1
08IS-1927	12		6 : 1	12		wt
08IS-2114	12		4 : 1	11		2 : 1
08IS-2353	11		4 : 1	11		3 : 1
08IS-2401	12		4 : 1	12		wt

The mutants that were characterized for this work are written in bold. The mutant lines: 08IS-0508, 08IS-0557, 08IS-0582, 08IS-0586, 08IS-0594, 08IS-0602, 08IS-0604, 08IS-0607, 08IS-0615, 08IS-0624, 08IS-0625, 08IS-0661, 08IS-0664, 08IS-0665, 08IS-1021, 08IS-1038, 08IS-1828, 08IS-1959, 08IS-2111, 08IS-2212, 08IS-2360, 08IS-2375 and 08IS-2398 were also screened but these showed a wt phenotype in every plant.