

Fig. S5

WT	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	348
14-1	TWCMGGARGAGG-----AGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	337
14-2	TACAGGAAGAGG-----AGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	338
14-3	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTG---CGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	388
14-4	TACACGARAAGAAGAGGGTGCKTGGGCRCTTAG---CAGGSTACCATCCTGATCAGSGGKACCAWGASGCTGACCTCC	338
WT	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGAC-GGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	348
20-1	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGAC-GGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	202
20-2	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGAC-GGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	202
20-3	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGAC-GGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	202
20-4	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	203
20-5	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGAC-GGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	202
WT	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGA-CGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	348
43-1	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGATCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	167
43-2	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGATCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	169
43-3	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGATCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	169
43-4	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGATCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	170
43-5	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGATCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	169
WT	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGA-CGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	348
83-1	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGA-CGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	159
83-3	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTG-----CGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	153
83-4	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGATCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	160
WT	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGA-CGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	348
85-1	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	160
85-2	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGAACGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	160
85-3	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	160
85-4	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	160
85-5	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	159

WT	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	348
86-1	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	160
86-2	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAG-----AGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	150
86-3	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	160
WT	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	348
89-1	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTG-----CGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	157
89-2	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGATCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	161
89-3	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	160
89-4	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGACGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	160
89-5	TACAGGAAGAGGAGGGTGTGGTTGGGCACCTTTGAGATCGGCGGAGGAGGCTGCGCGGGCGTACGATGAGGCTGCCATCC	162

Fig. S5 Sequence alignment of the *Nud* gene fragments cloned from selected T₀ plants. Target sequence is marked in yellow and PAM motif in light blue; deletions are indicated by dashes.