**Table S1.** Gene-specific PCR primers for real-time quantitative RT-PCR.
The gene codes are codes of the Rice Annotation Database (http://rapdb.dna.affrc.go.jp).
Acc. No. is the GenBank accession number.

| Gene name | Gene code (Acc. No) | Primer sequence(5′–3′) |
|---|---|---|
| *OsAGPL1* | Os05g0580000 | L: GGAAGACGGATGATCGAGAAAG |
| | (AK100910) | R: CACATGAGATGCACCAACGA |
| *OsAGPL2* | Os01g0633100 | L: AGTTCGATTCAAGACGGATAGC |
| | (AK071497) | R: CGACTTCCACAGGCAGCTTATT |
| *OsAGPL3* | Os03g0735000 | L: AAGCCAGCCATGACCATTTG |
| | (AK069296) | R: CACACGGTAGATTCACGAGACAA |
| *OsAGPL4* | Os07g0243200 | L: TCAACGTCGATGCAGCAAAT |
| | (AK121036) | R: ATCCCTCAGTTCCTAGCCTCATT |
| *OsAGPS1* | Os09g0298200 | L: CGCGTCGCTCAATCGTCACCT |
| | (AK073146) | R: ATTCTCTGGGCTCTGCTGCGC |
| *OsAGPS2a* | Os08g0345800 | L: ACTCCAAGAGCTCGCAGACC |
| | (AK071826) | R: GCCTGTAGTTGGCACCCAGA |
| *OsAGPS2b* | Os08g0345800 | L: AACAATCGAAGCGCGAGAAA |
| | (AK103906) | R: GCCTGTAGTTGGCACCCAGA |
| *LAZY1* | Os11g0490600 | L: ACGGTGACGAAGAGCAAGTT |
| | (AK067664) | R: AGGAGTGTGTTCTCGGGGTA |
| *LPA1* | Os03g0237250 | L: TGGCACCCCTATCCCACTAA |
| | (CT837698) | R: AGCTACCACCACAAGAGGCT |
| *PIN1* | Os02g0743400 | L: CCTTGCCTATCACCCTCGTC |
| | (AF056027) | R: ACATGGCTGGTTGTCAGGAG |
| *PIN2* | Os06g0660200 | L: AAGACCGTTGCGACATTTGC |
| | (AK101191) | R: AGTACTCCCCTGAGCCCAAT |
| *TAC1* | Os09g0529300 | L: CACCATCAATGAGAACAAGGGT |
| | (AK066042) | R: GCACGCAGAGAGTCTTCCTT |
| *RUBIQ1* | Os06g0681400 | L: GGAGCTGCTGCTGTTCTTGG |
| | (AK121590) | R: CACAATGAAAACGGGACACGA |

**Fig. S1.** Relative expression levels of genes involved in tiller angle and/or gravitropism. (*a*, *b*) The levels in shoot bases (the basal part of shoots 1 cm from roots) from 0 to 4 h (*a*) and 72 h (*b*) after the laying treatment. (*c*) The levels in leaf-sheath pulvini at the flag leaf emergence stage. Relative expression levels are standardized to the expression level of a rice polyubiquitin gene (% *RUBIQ1*). Values represent means ± SE (*n* = 4).