

Table S1. Agronomic traits of WT and *psl85*.

Mat erial	Seed-Sett ing (%)	No. Unfilled Grains	No. Filled Grains	1,000-Grain Weight (g)	No. Panicle	Panicle Length (cm)	Plant Height (cm)
WT	85.99 ± 0.86	322 ± 46.29	1995 ± 417.25	22.01 ± 0.1	14.67 ± 0.58	26.6 ± 0.53	101.67 ± 2.87
<i>psl85</i>	56.47 ± 3.55**	310 ± 80.73	395 ± 52.43**	22.48 ± 0.65	14.67 ± 1.53	21.47 ± 1.01**	80.17 ± 1.89**

Values are means ± SD (*n* = 3), ** indicates significance at *p* ≤ 0.01 by Student's *t*-test.

Table S2. The primers used in this study.

Primers	Forward Sequence (5'-3')	Reverse Sequence (5'-3')	Accession Number
RM5752	TTGCAATTAATTCGATCTCC	GCAGATCGATTCTGTTAGTTC	
RM8262	AACAGATATACTCGGGCAGCA TTAGC	TGACTCCTCCGTGGTAAACACC	
RM1186	ATATGGTCATTGGCTGGGAAAG AGG	CACCATTATCCTGCGGGTAGGC	
RM8247	TCACCCTTCTTGTCAAGCAAAC C	GAGGATCAGGATAGAACATGA GATGC	
RM21183	TTCTCTCGTGAGGAGGAGACAG G	TCCTCCTTCCAACCACCTTTCC	
<i>Ubiquitin</i>	CCCTCCACCTCGTCCTCAG	AGATAACAACGGAAGCATAAA AGTC	LOC_Os03g13170
<i>ORF1</i>	GTCATCGACCTCATCGGGGA	ACAGGGATGTCGAAACGGAA	LOC_Os07g10610
<i>ORF2</i>	TCATGGCTAGAGTGTTCTCTGC	CCATTACCATCGGCGGTTTG	LOC_Os07g10620
<i>ORF3</i>	CAAACCTTGTTCTGTCCTTCT	GCTGAAGCAAGGTTCCATTC	LOC_Os07g10630
<i>ORF4</i>	TTGTGCCGTCGCCAGACTCT	GCAGCTTGCCACCATCATT	LOC_Os07g10640
<i>ORF5</i>	CATGCAGGGTCCTTATGTA	CACCCCTTCATTATCGCC	LOC_Os07g10650
<i>ORF6</i>	GGCCACCTTCGATTGTCTCA	GTCCGTGTACTCCTGGAACG	LOC_Os07g10660
<i>ORF7</i>	CACGACGACCTCTCCTTGAT	TGCGCTGTATGTCATCACA	LOC_Os07g10670
<i>ORF8</i>	ACAACCAACGGAGCTCGCA	ACAACCAACGGAGCTCGCA	LOC_Os07g10680
<i>CAO</i>	TTGGCACAATGGAGACCC	GCTGCACTGGACCAGACAC	LOC_Os10g41780
<i>rbcS</i>	CCGTGAGAACCACAGATCCC	ACGTTGTGCAAGCCGATGAT	LOC_Os12g17600
<i>rbcL</i>	ATCGTGCTCGCGGTATCTTT	ACCAGGTGCATTACCCCAAG	LOC_Os12g10580
<i>HEMA1</i>	ACACGCCATCTGTTTGAGGT	CAAGCCTCCACTGTTTTGCC	LOC_Os10g35840
<i>psbA</i>	TGTAGCTGGTGTATTCGGCG	ATAACCATGAGCGGCCACAA	plastogene
<i>porA</i>	ATCACCAAGGGCTACGTCTC	GAGTTGTTGTTCCAGCTCCA	LOC_Os04g58200
<i>NPH1a</i>	CACTTGCAACCAATGCGTGA	ATCCGGGAGTTCTTTGTCAG	LOC_Os11g01140
<i>CHLI</i>	CGGAGTAACCTTGGTGCTGT	CTTGGCAGCCCTGTTAGTCA	LOC_Os03g36540
<i>psbS</i>	CTGAGCCGAAGCCAAAGTTC	ATCCCCGTCTCCAGGTTTCAG	LOC_Os01g64960
<i>CHLH</i>	TGACTCAGACCCGACAAAGC	TCCCTCGTACCACTTAGGG	LOC_Os03g20700
<i>cab2R</i>	GTTCTCCATGTTCCGGCTTCT	GACGAAGTTGGTGGCGTAG	LOC_Os01g41710
<i>SGR</i>	AGGGGTGGTACAACAAGCTG	GCTCCTTGCGGAAGATGTAG	LOC_Os09g36200
<i>RCCR1</i>	CGCATTCCTCATGGAATTT	CTTCTCACGCTGTTTGTCCA	LOC_Os10g25030
<i>Osh36</i>	AACGCATTTGTGGTTGGCTC	TCAACTTTGGCCGGTGTCTT	LOC_Os05g39770
<i>OsI57</i>	ACCCTAAAGTAAATGAAGTC	CCTGCTCTTGTCTTGTA	LOC_Os02g57260
<i>OsNCED 1</i>	ACCATGAAGTCCATGAGGCT	TCTCGTAGTCTTGGTCTTGG	LOC_Os02g47510
<i>OsNCED</i>	CAAGTTCGAGTACGGCGAGG	GACAGGATGTAGCCGTCGTC	LOC_Os03g44380

3			
OsNCED	TCGGGAGGTACGACTTCCAT	TTGAGGTACGGCTTGGACAC	LOC_Os07g05940
4			
OsZEP	GGATGCCATTGAGTTTGGTT	TGGCTGACTGAAGTCTCTCG	LOC_Os04g37619
OsABA80	CAAGCCCAACACGTTTCATGC	TGTACTTGGTTGCGAGGTGG	LOC_Os02g47470
x1			
OsABA80	CTACTGCTGATGGTGGCTGA	CCCATGGCCTTTGCTTTAT	LOC_Os08g36860
x2			
OsABA80	AGTACAGCCCATTCCTGTG	ACGCCTAATCAAACCATTGC	LOC_Os09g28390
x3			
