



Figure S1. Expression of GA biosynthesis pathway genes in germinating seeds imbibed for 36 h (A). The gene expression was normalized to the reference gene *OsActin*. For each experiments, three replicates were done and data are means \pm SD. Student's t test for each line was performed (* $p < 0.05$, ** $p < 0.01$). (B) Roles of GA biosynthesis genes in the GA biosynthesis pathway.

Table S1. Sequences of primers used in this study.

Gene	Forward (5'–3')	Reverse (5'–3')
Primers for Gene Cloning		
<i>UGT74E2</i>	CGCCATATGAGAGAAGGATCTCATCTT	CCGCTCGAGACAAAACATAGAAACAAAC
Primers for qPCR Analysis		
<i>OsActin</i>	GACCTTGCTGGGCGTGAT	GTCATAGTCCAGGGCGATGT
<i>UGT74E2</i>	ACTCTGGTCCTCGTCTCC	ATGGTTCCTCGCCTTC
<i>OsABI3</i>	TGACGATACCTTCCCGTTGC	CGAGGAGCTGGTCTATGTCC
<i>OsABI5</i>	AGCGGTGAACCAGTTTGATT	ATCTGCCTGTTTCTCTCCA
<i>OsIAA1</i>	ATAGGTACCGAGCCGAAGCATCA	ATAGGATCCAACCACCGGTCATG
<i>OsARF1</i>	AGCCATCAGAATTACACCGC	ATGAACTAGCCAGTAGCCAC
<i>OsARF4</i>	AGACCGCATGCATCAATAGC	TCTGATTTGTTGGGCATCGG
<i>OsARF5</i>	CAGCAACTCCACTAATGACC	TCACCATCCAAGCTCATCTG
<i>OsARF7</i>	ACTACAGCGAACACAGGAAC	TATGGCCAGGTAGCATTGAG
<i>OsARF8</i>	ATCATGTCCGTCCAACATCC	GTCGGTTAGTATGGTAAGCC
<i>OsGH3-1</i>	CGGGAACAAGCAATGGAACA	CAGATCATCACCTCTAGCTTCAA
<i>OsGH3-2</i>	TCATGCCCGTCATGAACTTG	TCGTCTCCGACTTGATGAACAG
<i>OsGH3-5</i>	GGTCGGCAAAATCTATGAAG	TGGAGGTCTTTCTCGGTGTT
<i>OsGH3-10</i>	AGCAGTCTCGCTACATCTGTCTTG	CGCTTTTGTATACGCTCGTCAA
<i>OsGH3-13</i>	TGTGTAATGTCAAACGTTGCTCAT	TGATTCATAAAGAACACTGCTCGTATT
<i>OsDREB1A</i>	ATGGGCTGGGACCTGTACTA	GCATCGGAAGCCAGAAAAGAG
<i>OsMYB4</i>	CGGTGGATCAACTACCTCCG	CGTCCAGCCTCTTCTTGAGG
<i>OsAPxO2</i>	TTCAGCTTTCGTTTGTGCGG	ACCACTCGCAATCCAACGAT
<i>OsCAT-A</i>	TTGGGGGTGAAGATTGCGAA	CGACAACAGAAGATGCGTGC
<i>OsCAT-B</i>	GCTTGCACAGTTTGACAGGG	CGACTGTGGAGAACCGAACA
<i>OsSODB</i>	ACAACGGCAACCCATTACCA	CAGCCAGACCCCAAAAGTGA
<i>OsHKT1</i>	GCAGCTGGAAGCAGCAATTC	AAACGAGGAGACTGTGACCG
<i>OsDREB1F</i>	TGTTTCGACCATGGACACCGA	ACATGTCAGTCCATCCATAGCTT
<i>OsDREB2A</i>	ATGTATGGTCCCACAGCACG	ACAACACAGCTGGCCCATTA
<i>OsCOIN</i>	TCAAAGCAGCAAATGCACCC	CATGGCCATCAATGAAGCGG
<i>OsKO2</i>	TGCTACCAGCGACTATTGTGATTT	GTGCAGAAGTACCCAACATGCTT
<i>OsGA20ox2</i>	CCAATTTTGGACCCTACCGC	GAGAGAAGCCCAACCCAACC
<i>OsGA20ox1</i>	GCCACTACAGGGCCGACAT	TGGTTGCAGGTGACGATGAT
<i>OsGA3ox2</i>	TCCTCCTTCTTCTCCAAGCTCAT	GAAACTCCTCCATCACGTCACA