

Supplementary Table S1. The list of phytohormone biosynthetic genes examined in this study

**GA**

gene name	OsID	probe on 44K array
<i>OsCPS</i>	Os02g0278700	Entry
<i>OsKS</i>	Os04g0611800	Entry
<i>OsKO2</i>	Os06g0569900	Entry
<i>OsKAO</i>	Os06g0110000	Entry
<i>OsGA20ox1</i>	Os03g0856700	Entry
<i>OsGA20ox2/SD1</i>	Os01g0883800	Entry
<i>OsGA20ox3</i>	Os07g0169700	Entry
<i>OsGA20ox4</i>	Os05g0421900	Entry
<i>OsGA3ox2/D18</i>	Os01g0177400	Entry
<i>EUI</i>	Os05g0482400	Entry
<i>OsGA2ox1</i>	Os05g0158600	Entry
<i>OsGA2ox2</i>	Os01g0332200	Entry
<i>OsGA2ox3</i>	Os01g0757200	Entry
<i>OsGA2ox4</i>	Os05g0514600	Entry
<i>OsGA2ox5</i>	Os07g0103500	Entry
<i>OsGA2ox6</i>	Os04g0522500	Entry
<i>OsGA2ox7</i>	Os01g0209700	Entry
<i>OsGA2ox8*</i>	Os05g0560900	Entry
<i>OsGA2ox9*</i>	Os02g0630300	Entry
<i>OsGA2ox10*</i>	Os05g0208500	No entry

**Auxin**

gene name	OsID	probe on 44K array
<i>OsASA1</i>	Os03g0826500	Entry
<i>OsASA2</i>	Os03g0264400	Entry
<i>OsASB1</i>	Os04g0463500	Entry
<i>OsASB2</i>	Os03g0718000	Entry
<i>OsTAA1;1</i>	Os01g0169800	Entry
<i>OsTAA1;2</i>	Os01g0717400	Entry
<i>OsTAA1;3</i>	Os01g0717700	Entry
<i>OsTAA1;4</i>	Os05g0169300	Entry
<i>OsAAO1</i>	Os10g0138100	Entry
<i>OsAAO2</i>	Os03g0790900	Entry
<i>OsAAO3</i>	Os07g0281700	Entry
<i>OsYUC1</i>	Os01g0645400	Entry
<i>OsYUC2</i>	Os05g0528600	No entry
<i>OsYUC3</i>	Os01g0732600	No entry
<i>OsYUC4</i>	Os01g0224700	Entry
<i>OsYUC5</i>	Os12g0512000	Entry
<i>OsYUC6</i>	Os07g0437000	Entry
<i>OsYUC7</i>	Os04g0128900	Entry
<i>COW1</i>	Os03g0162000	Entry

<i>OsNIT1</i>	Os02g0635200	Entry
<i>OsNIT2</i>	Os02g0635000	Entry

### CK

gene name	OsID	probe on 44K array
<i>OsIPT1</i>	Os03g0358900	No entry
<i>OsIPT2</i>	Os03g0356900	Entry
<i>OsIPT3</i>	Os05g0312000	Entry
<i>OsIPT4</i>	Os03g0810100	Entry
<i>OsIPT5</i>	Os07g0211700	No entry
<i>OsIPT6</i>	Os07g0190033	No entry
<i>OsIPT7</i>	Os05g0551700	Entry
<i>OsIPT8</i>	Os01g0688300	No entry
<i>OsCYP735A3</i>	Os08g0429800	No entry
<i>OsCYP735A4</i>	Os09g0403300	No entry
<i>LOG</i>	Os01g0588900	Entry
<i>OsCKX1</i>	Os01g0187600	Entry
<i>OsCKX2/Gn1a</i>	Os01g0197600	Entry
<i>OsCKX3</i>	Os10g0483500	Entry
<i>OsCKX4</i>	Os01g0940000	Entry
<i>OsCKX5</i>	Os01g0775400	Entry
<i>OsCKX6</i>	Os02g0220000	No entry
<i>OsCKX7</i>	Os02g0220100	No entry
<i>OsCKX8</i>	Os04g0523500	No entry
<i>OsCKX9</i>	Os05g0374200	Entry
<i>OsCKX10</i>	Os06g0572300	No entry
<i>OsCKX11</i>	Os08g0460600	Entry

### BR

gene name	OsID	probe on 44K array
<i>OsSMT1</i>	Os07g0206700	Entry
<i>OsFACKEL1</i>	Os01g0354200	Entry
<i>OsFACKEL2</i>	Os09g0565600	Entry
<i>OsHYD1</i>	Os01g0103600	Entry
<i>OsDWF7</i>	Os01g0134500	Entry
<i>OsDRF5</i>	Os02g0465400	Entry
<i>OsDIM</i>	Os10g0397400	Entry
<i>OsDET1;1</i>	Os11g0184100	Entry
<i>OsDET1;2</i>	Os01g0851600	Entry
<i>OsDWARF4</i>	Os03g0227700	Entry
<i>CYP724B1/D11</i>	Os04g0469800	Entry
<i>CYP90D2/D2</i>	Os01g0197100	Entry
<i>OsCPD1</i>	Os11g0143200	Entry
<i>OsCPD2</i>	Os12g0139300	Entry
<i>OsDWARF</i>	Os03g0602300	Entry

<i>OsBAS1L1</i>	Os06g0600400	Entry
<i>OsBAS1L2</i>	Os01g0388000	Entry
<i>OsBAS1L3</i>	Os02g0204700	Entry

### Ethylene

gene name	OsID	probe on 44K array
<i>OsSAM1*</i>	Os01g0293000	Entry
<i>OsSAM2*</i>	Os05g0135700	Entry
<i>OsACS1</i>	Os03g0727600	Entry
<i>OsACS2</i>	Os04g0578000	Entry
<i>OsACS3</i>	Os05g0196600	No entry
<i>OsACS4</i>	Os05g0319200	No entry
<i>OsACS5</i>	Os01g0192900	Entry
<i>OsACS6</i>	Os06g0130400	Entry
<i>OsACO1</i>	Os09g0451400	Entry
<i>OsACO2</i>	Os02g0771600	Entry
<i>OsACO3</i>	Os09g0451000	Entry
<i>OsACO4</i>	Os11g0186900	Entry
<i>OsACO5</i>	Os05g0149400	Entry
<i>OsACO6</i>	Os05g0149300	Entry
<i>OsACO7</i>	Os01g0580500	Entry

### ABA

gene name	OsID	probe on 44K array
<i>OsZEP1</i>	Os04g0448900	Entry
<i>OsABA4</i>	Os01g0128300	Entry
<i>OsNECD1</i>	Os03g0645900	Entry
<i>OsNECD2</i>	Os12g0617400	Entry
<i>OsNCED3</i>	Os07g0154100	Entry
<i>OsSDR1/OsABA2</i>	Os03g0810800	Entry
<i>OsSDR2</i>	Os03g0833100	Entry
<i>OsSDR3</i>	Os03g0299200	Entry
<i>OsSDR4</i>	Os07g0691600	Entry
<i>OsAAO3;1</i>	Os07g0281700	Entry
<i>OsAAO3;2</i>	Os07g0282300	Entry
<i>OsAAO3;3</i>	Os07g0164900	Entry
<i>OsAAO3;4</i>	Os10g0168100	Entry
<i>OsAAO3;5</i>	Os06g0790700	No entry
<i>OsAAO3;6</i>	Os06g0790900	No entry
<i>OsABA3</i>	Os06g0670000	Entry
<i>OsABA8OX1</i>	Os02g0703600	Entry
<i>OsABA8OX2</i>	Os08g0472800	Entry
<i>OsABA8OX3</i>	Os09g0457100	Entry

### JA

gene name	OsID	probe on 44K array
<i>OsDAD1;1</i>	Os11g0146600	No entry
<i>OsDAD1;2</i>	Os08g0143600	Entry
<i>OsDAD1;3</i>	Os02g0653900	Entry
<i>OsDAD1;4</i>	Os10g0562200	Entry
<i>OsPLA1</i>	Os07g0520900	Entry
<i>OsLOX2;1</i>	Os08g0508800	Entry
<i>OsLOX2;2</i>	Os12g0559200	Entry
<i>OsLOX2;3</i>	Os08g0509100	Entry
<i>OsLOX2;4</i>	Os02g0194700	Entry
<i>OsLOX2;5</i>	Os03g0179900	Entry
<i>OsAOS1</i>	Os03g0225900	Entry
<i>OsAOS2</i>	Os03g0757000	Entry
<i>OsAOS3*</i>	Os02g0218700	Entry
<i>OsAOS4*</i>	Os02g0218800	Entry
<i>OsAOC</i>	Os03g0438100	Entry
<i>OsOPR7</i>	Os08g0459600	Entry
<i>OsOPCL1</i>	Os03g0132000	Entry
<i>OsACX</i>	Os06g0103500	Entry
<i>OsACX3</i>	Os06g0354500	Entry
<i>OsAIM1</i>	Os02g0274100	Entry
<i>OsMPF</i>	Os01g0348600	Entry
<i>OsMPF2</i>	Os05g0155000	Entry
<i>OsKAT</i>	Os02g0817700	Entry
<i>OsKAT2</i>	Os10g0457600	Entry
<i>OsJAR1;1</i>	Os11g0186500	No entry
<i>OsJAR1;2</i>	Os05g0586200	Entry
<i>OsJAR1;3</i>	Os01g0221100	Entry
<i>OsJMT1</i>	Os01g0701700	Entry
<i>OsJMT2</i>	Os06g0329900	Entry
<i>OsJMT3</i>	Os06g0314600	Entry
<i>OsJMT4</i>	Os06g0323100	Entry
<i>OsJMT5</i>	Os05g0102000	Entry
<i>OsJMT6</i>	Os06g0315000	No entry

In addition to the list described in Hirano et al (2008), asterisks indicate genes included in this study.

Hirano K, Aya K, Hobo T, Sakakibara H, Kojima M, Shim RA, Hasegawa Y, Ueguchi-Tanaka, M, Matsuoka M.  
 Comprehensive transcriptome analysis of phytohormone biosynthesis and signaling genes in microspore/pollen and tapetum of rice. *Plant Cell Physiol.* 2008; 49; 1425-1450.