Table 1 Suppl. Primer sequences of the heme oxygenase 1 promoter (pHY1) clone and deletions for expression vector construction. Restriction endonuclease Hind III (AAGCTT) and Nco I (CCATGG) are underlined.

<table>
<thead>
<tr>
<th>Promoter name</th>
<th>Primer sequences</th>
<th>Position</th>
<th>Deletion type</th>
</tr>
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</table>
| pHY1          | F0: 5' AAGCTTGATTAGTAGGAAACCTTGAG 3'  
R0: 5' CATGGGGTTTGATCGGAATAGAAA 3' | -1666 to +132 | - |
| 5D1           | F1: 5' AAGCTTTCGAGATCGGATTTTAGGGAAACCTTGAG 3'  
R0: 5' CATGGGGTTTGATCGGAATAGAAA 3' | -1528 to +132 | 5' |
| 5D2           | F2: 5' AAGCTTGATTTAGTAGGAAACCTTGAG 3'  
R0: 5' CATGGGGTTTGATCGGAATAGAAA 3' | -1109 to +132 | 5' |
| 5D3           | F3: 5' AAGCTTCTGTACTCTTAACCTAGGTG 3'  
R0: 5' CATGGGGTTTGATCGGAATAGAAA 3' | -688 to +132 | 5' |
| 5D4           | F4: 5' AAGCTTACTGAGATCGGCTCTAAATC 3'  
R0: 5' CATGGGGTTTGATCGGAATAGAAA 3' | -169 to +132 | 5' |
| 3D1           | F0: 5' AAGCTTGATGACTAGGGAACCTTGAG 3'  
R1: 5' CATGGGAAGTCACGCAATGTAGT 3' | -1666 to +100 | 3' |
| 3D2           | F0: 5' AAGCTTGATGACTAGGGAACCTTGAG 3'  
R2: 5' CATGGGAAGTCACGCAATGTAGT 3' | -1666 to -1 | 3' |
| 3D3           | F0: 5' AAGCTTGATGACTAGGGAACCTTGAG 3'  
R3: 5' CATGGGAAGTCACGCAATGTAGT 3' | -1666 to -170 | 3' |
Fig. 1 Suppl. Tissues expression analysis of the *heme oxygenase 1* promoter in transgenic plants by histochemical staining assay. Different tissues from indicated development stages were collected and stained with 1 mM 5-bromo-4-chloro-3-indolyl β-D-glucuronide. A 3-d-old seedling (*A*), 10-d-old shoot (*B*), primary root (*C*), lateral root (*D*), stem (*E*), flower (*F*), cauline leaf (*G*), and siliqua (*H*) were measured. *Bar* = 1 mm.
Fig. 2 Suppl. *Heme oxygenase 1 (HY1)* expression in 10-d-old wild-type *Arabidopsis* seedlings grown on 1/2 Murashige and Skoog agar medium in response to different treatments lasted 6 h: control (mock), 10 mM NaCl, 30 mM mannitol, 2 % PEG, heat stress (37 °C; HS), cold stress (4 °C; CS), 50 μM CdCl₂ (Cd), 50 μM HgCl₂ (Hg), 50 μM Pb(NO₃)₂ (Pb), 100 μM CuSO₄ (Cu), 100 μM ZnSO₄ (Zn), 50 μM CoCl₂ (Co), 40 nM 2,4-dichlorophenoxyacetic acid (2,4-D), 100 nM 1-naphthalene acetic acid (NAA), and 500 μM salicylic acid (SA). Expression of *HY1* was analyzed by real-time PCR, and is relative to the control. Means ± SDs of three independent experiments. *Asterisks* denote significant differences between the treatments and control at *P* < 0.05 according to Student’s *t*-test.
Fig. 3 Suppl. Deletion analysis of *heme oxygenase 1* (HY1) promoters in 15-d-old transgenic seedlings by histochemical staining assay. Representative photos of eight plants for each promoter construct are shown (bar = 2 mm). Wild-type and transgenic plants carrying the CaMV35S promoter fused to the *GUS* reporter gene were used as negative control (NC) and positive control (PC), respectively.