

Figure S1: Genevestigator Arabidopsis XTH gene expression in response to light quality manipulations. The heat map was constructed using data compiled from relevant microarray experiments as reported by Genevestigator. Expression values are depicted as log₂ ratios indicating fold changes and colour coded to indicate up (red) and down (green) regulation relative to controls.

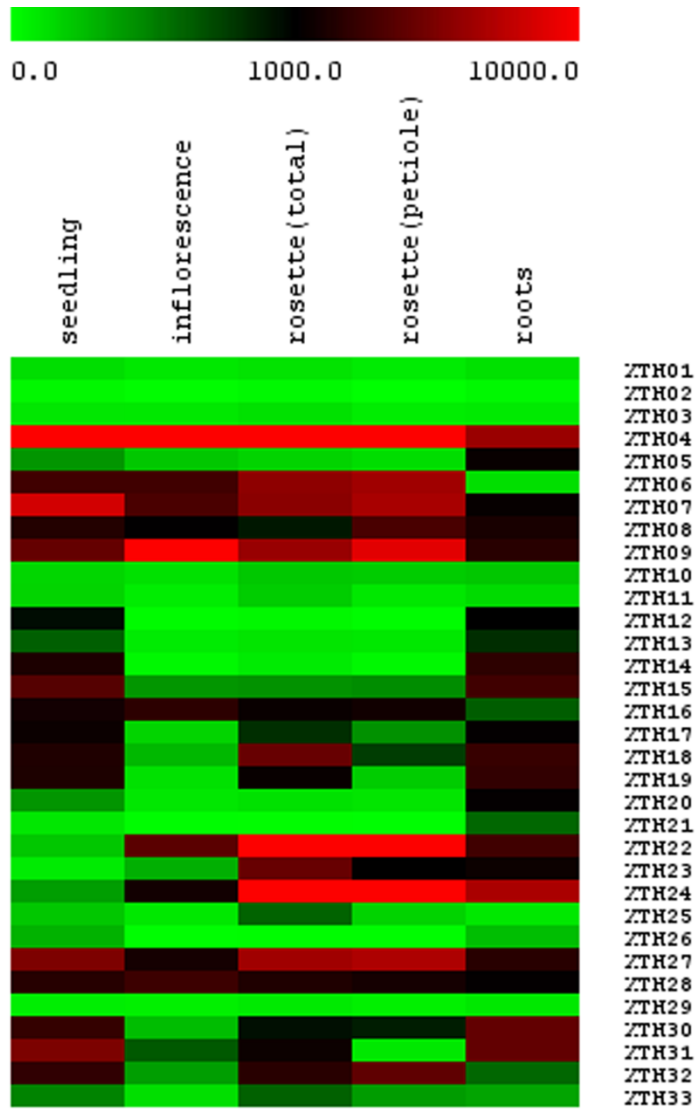


Figure S2: Genevestigator XTH organ-specific expression. Expression data was compiled from relevant microarray experiments as reported by Genevestigator. Data are depicted as absolute expression values and colour coded to indicate high (red) and low (green) expression values.

Table S1: *XTH* genes for which *XTHpro::GUS* reporter lines were available were screened for shade-induced differential petiole growth.

Gene name	AGI ID	GUS staining in petioles**
<i>AtXTH1</i>	At4g13080	None
<i>AtXTH5</i>	At5g13870	None
<i>AtXTH8</i>	At1g11545	None
<i>AtXTH9</i>	At4g03210	+
<i>AtXTH12</i>	At5g57530	None
<i>AtXTH14</i>	At4g25820	None
<i>AtXTH15</i>	At4g14130	+
<i>AtXTH18</i>	At4g30280	None
<i>AtXTH19</i>	At4g30290	+
<i>AtXTH20</i>	At5g48070	None
<i>AtXTH21</i>	At2g18800	None
<i>AtXTH23</i>	At4g25810	None
<i>AtXTH24</i>	At4g30270	None
<i>AtXTH25</i>	At5g57550	None
<i>AtXTH27</i>	At2g01850	None
<i>AtXTH28</i>	At1g14720	None
<i>AtXTH29</i>	At4g18990	None
<i>AtXTH32</i>	At2g36870	None
<i>AtXTH33</i>	At1g10550	None

** Based on staining in petioles from plants treated for 24 h in shade relative to petioles from plants treated for 24 h in white light