

Supplemental material for:
**Cross-kingdom signalling regulates spore germination in the
moss *Physcomitrella patens***

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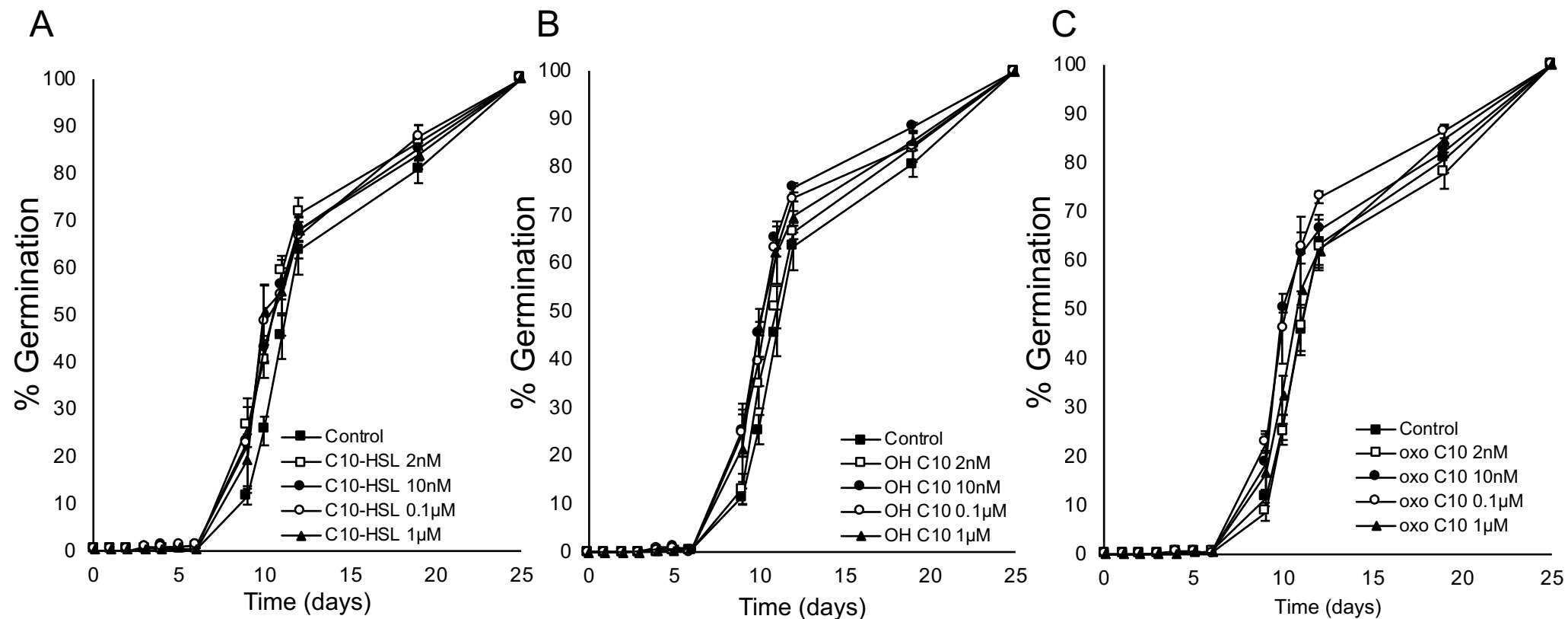
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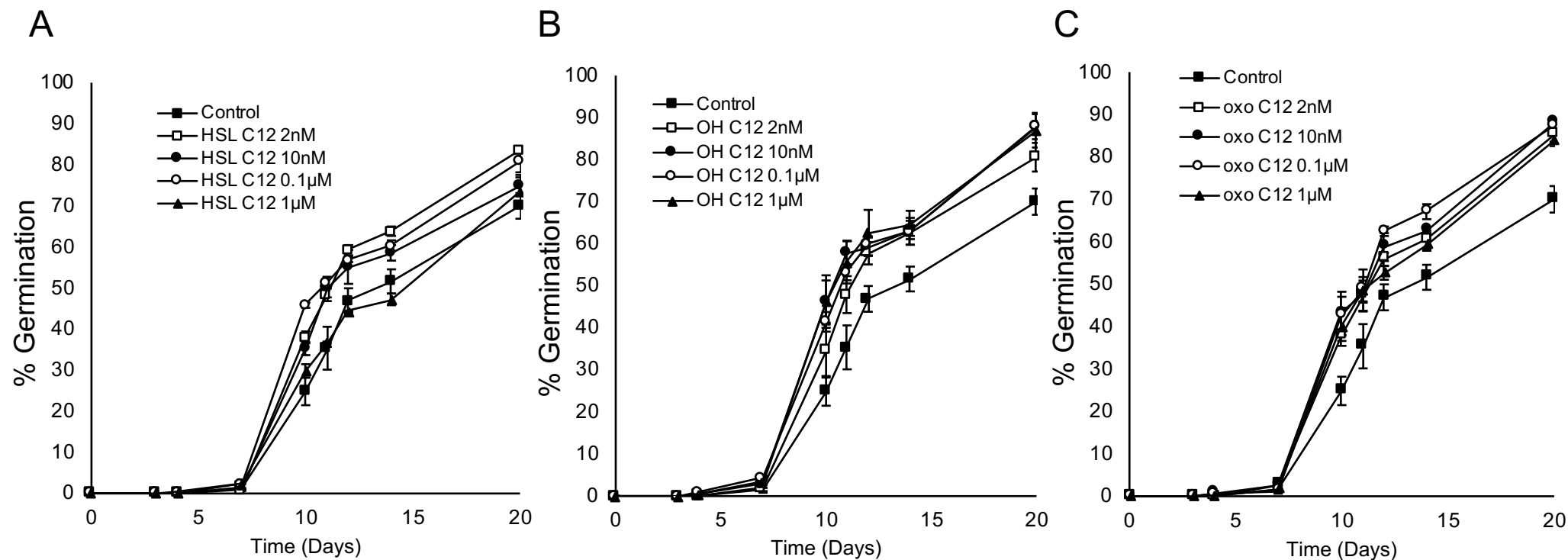
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Supplemental Figure 1. Effect of side group substitution on AHL activity (C10 chain length) towards *Physcomitrella* spore germination.

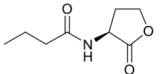
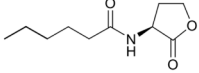
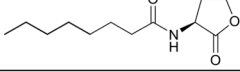
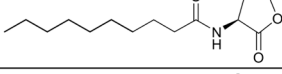
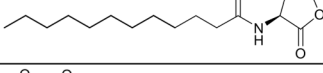
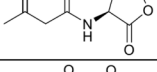
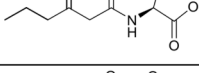
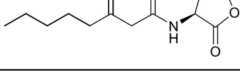
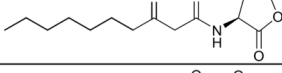
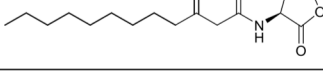
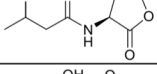
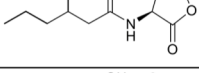
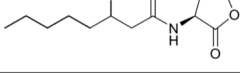
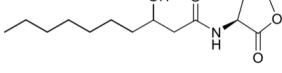
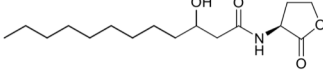
A) Unsubstituted C10-HSL, where lower concentrations (2-10nM) promote germination more potently, B) 3-OH-C10-HSL (more potent promotion of germination at 10nM, C) 3-O-C10-HSL (more potent germination promotion at 0.1μM).

These data are summarized in Figure 3B.



Supplemental Figure 2. Effect of side group substitution on AHL activity (C12 chain length) towards *Physcomitrella* spore germination.

A) Unsubstituted C12-HSL (most potent promotion of spore germination at 2nM), B) 3-OH-C12-HSL (similar promotion of spore germination over the whole range of concentrations), C) 3-O-C12-HSL (more potent promotion of spore germination at 1μM). These data are summarized in Figure 3B.

AHL NAME	STRUCTURE
C4-HSL	
C6-HSL	
C8-HSL	
C10-HSL	
C12-HSL	
3-O-C4-HSL	
3-O-C6-HSL	
3-O-C8-HSL	
3-O-C10-HSL	
3-O-C12-HSL	
3-OH-C4-HSL	
3-OH-C6-HSL	
3-OH-C8-HSL	
3-OH-C10-HSL	
3-OH-C12-HSL	

Supplemental Table 1. AHLs used in this study.