

**Table S5:**  $\beta$ -1,3/1,4-glucan oligosaccharides (MLGs) used in this work.

<b>Acronym</b>	<b>Name</b>	<b>Source</b>
MLG43	$\beta$ -D-Cellobiosyl-(1 $\rightarrow$ 3)- $\beta$ -D-glucose	Megazyme (O-BGTRIB)
MLG34	$\beta$ -D-Glucosyl-(1 $\rightarrow$ 3)- $\beta$ -D-cellobiose	Megazyme (O-BGTRIA)
MLG443	$\beta$ -D-Cellotriosyl-(1 $\rightarrow$ 3)- $\beta$ -D-glucose	Megazyme (O-BGTETB)
MLG434+344	(80%) $\beta$ -D-Cellobiosyl-(1 $\rightarrow$ 3)- $\beta$ -D-cellobiose + (20%) $\beta$ -D-Glucosyl-(1 $\rightarrow$ 3)- $\beta$ -D-cellotriose	Megazyme (O-BGTETC)
MLG34'	$\beta$ -D-Glucosyl-(1 $\rightarrow$ 3)- $\beta$ -D-cellobiose (linker)	
MLG434'	$\beta$ -D-Cellobiosyl-(1 $\rightarrow$ 3)- $\beta$ -D-cellobiose (linker)	
MLG34443'	$\beta$ -D-Glucosyl-(1 $\rightarrow$ 3)- $\beta$ -D-cellotetraosyl-(1 $\rightarrow$ 3)- $\beta$ -D-glucose (linker)	
MLG43344'	$\beta$ -D-Cellobiosyl-(1 $\rightarrow$ 3)- $\beta$ -D-glucosyl-(1 $\rightarrow$ 3)- $\beta$ -D-cellotriose (linker)	Synthetic (Dallabernardina et al., 2017)
MLG44434'	$\beta$ -D-Cellotetraosyl-(1 $\rightarrow$ 3)- $\beta$ -D-cellobiose (linker)	
MLG44343'	$\beta$ -D-Cellotriosyl-(1 $\rightarrow$ 3)- $\beta$ -D-cellobiosyl-(1 $\rightarrow$ 3)- $\beta$ -D-glucose (linker)	
MLG3434443'	$\beta$ -D-Glucosyl-(1 $\rightarrow$ 3)- $\beta$ -D-cellobiosyl-(1 $\rightarrow$ 3)- $\beta$ -D-glucosyl-(1 $\rightarrow$ 3)- $\beta$ -D-cellotetraosyl-(1 $\rightarrow$ 3)- $\beta$ -D-glucose (linker)	