

**Supp. Figure 3.** Monosaccharide composition, cellulose and acetate content of stem cell walls in control and GR24-treated plants growing in hydroponic culture . Data are represented as mean (AVG)  $\pm$  the standard deviation (SD) of biological replicates ( $\geq 5$ ). Means with different letters are significantly different (Tukey's HSD,  $p < 0.05$ ) in the significance (Sig) column. Fuc=Fucose; Rha=Rhamnose; Ara=Arabinose; Gal=Galactose; Glc=Glucose; Xyl=Xylose; Man=Mannose; GalA; Galacturonic Acid; GlcA= Glucuronic Acid

	Fuc			Rha			Ara			Gal			Glc			Xyl			Man			GalA			GlcA			Cellulose			Acetate		
	AVG	SD	Sig	AVG	SD	Sig	AVG	SD	Sig	AVG	SD	Sig	AVG	SD	Sig	AVG	SD	Sig	AVG	SD	Sig	AVG	SD	Sig	AVG	SD	Sig	AVG	SD	Sig	AVG	SD	Sig
Col-0 Control	1.73 $\pm$ 0.11		ab	9.52 $\pm$ 0.34		ac	8.74 $\pm$ 0.64		a	16.24 $\pm$ 0.80		ab	9.48 $\pm$ 1.04		a	91.39 $\pm$ 1.97		a	9.49 $\pm$ 1.00		a	2.91 $\pm$ 0.18		ab	3.84 $\pm$ 0.34		a	367.52 $\pm$ 9.80		a	36.44 $\pm$ 4.16		a
Col-0 GR24	1.51 $\pm$ 0.12		a	9.17 $\pm$ 0.48		a	7.60 $\pm$ 0.21		a	14.50 $\pm$ 0.29		ac	10.73 $\pm$ 0.66		a	93.77 $\pm$ 0.57		a	10.98 $\pm$ 0.51		ab	2.70 $\pm$ 0.13		a	3.92 $\pm$ 0.30		ab	344.15 $\pm$ 8.10		a	36.66 $\pm$ 5.19		a
tbl29 Control	1.83 $\pm$ 0.02		b	11.45 $\pm$ 0.27		b	11.71 $\pm$ 1.60		bc	17.80 $\pm$ 0.43		b	12.00 $\pm$ 0.79		ab	97.55 $\pm$ 1.19		b	11.08 $\pm$ 0.17		ab	3.26 $\pm$ 0.01		b	5.13 $\pm$ 0.67		b	318.26 $\pm$ 13.60		b	19.19 $\pm$ 1.00		b
tbl29 GR24	1.70 $\pm$ 0.06		ab	11.69 $\pm$ 0.28		b	14.61 $\pm$ 3.00		c	18.31 $\pm$ 0.67		b	14.60 $\pm$ 2.07		b	105.21 $\pm$ 3.68		c	12.55 $\pm$ 0.36		b	3.16 $\pm$ 0.12		b	5.24 $\pm$ 0.89		b	309.49 $\pm$ 9.98		b	18.89 $\pm$ 1.20		b
tbl29 max4-7 Control	1.98 $\pm$ 0.08		b	10.57 $\pm$ 0.42		bc	9.20 $\pm$ 0.76		a	16.28 $\pm$ 0.99		ab	11.11 $\pm$ 0.58		ab	86.24 $\pm$ 3.52		a	9.72 $\pm$ 0.47		a	3.12 $\pm$ 0.08		b	3.79 $\pm$ 0.44		ab	356.44 $\pm$ 6.01		a	18.38 $\pm$ 1.15		b
tbl29 max4-7 GR24	1.48 $\pm$ 0.06		a	9.02 $\pm$ 0.31		a	10.86 $\pm$ 0.47		ab	13.65 $\pm$ 0.80		c	11.35 $\pm$ 1.57		ab	97.50 $\pm$ 1.01		b	9.71 $\pm$ 0.17		a	2.61 $\pm$ 0.17		a	4.86 $\pm$ 0.44		b	329.49 $\pm$ 7.42		b	18.88 $\pm$ 0.76		b