

Figure S1: HPAEC-PAD chromatograms of the enzymatic treatment of XGO1 by using LacS 2.2 U and XylS 0.1 U

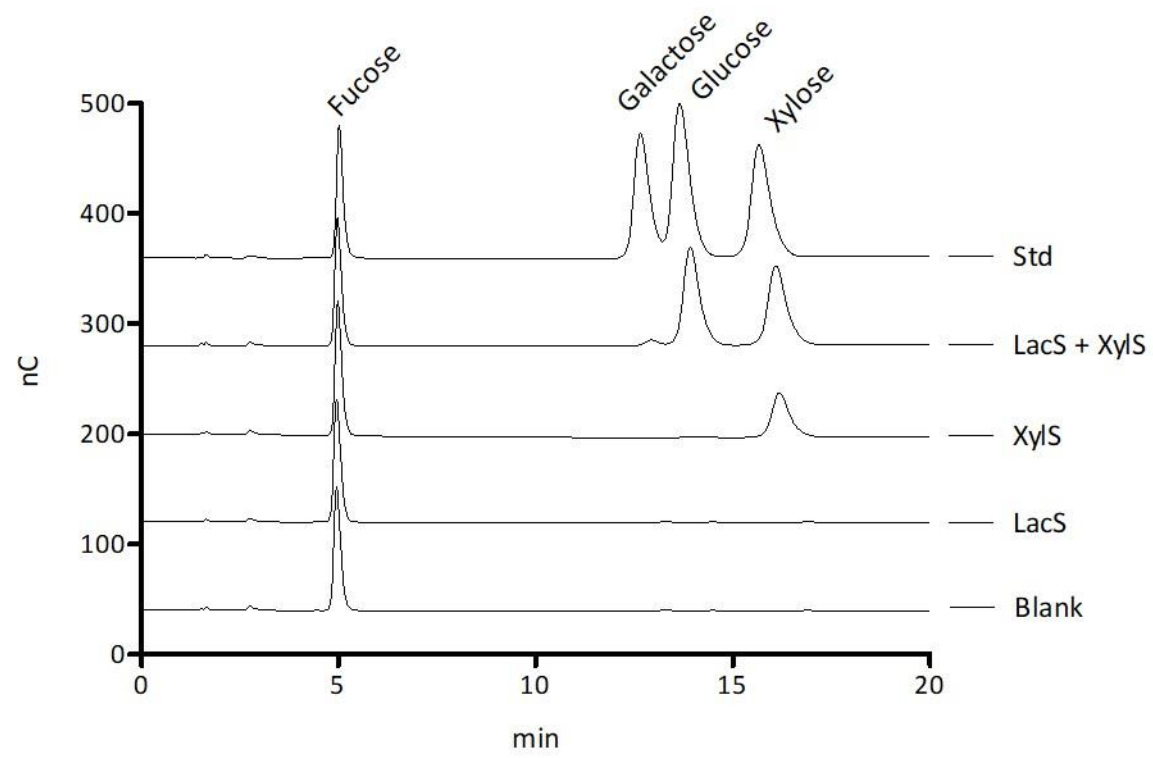


Figure S2: HPAEC-PAD chromatograms of the time course of the enzymatic treatment of XGO1 by using LacS 2.2 U and XylS 0.1 U

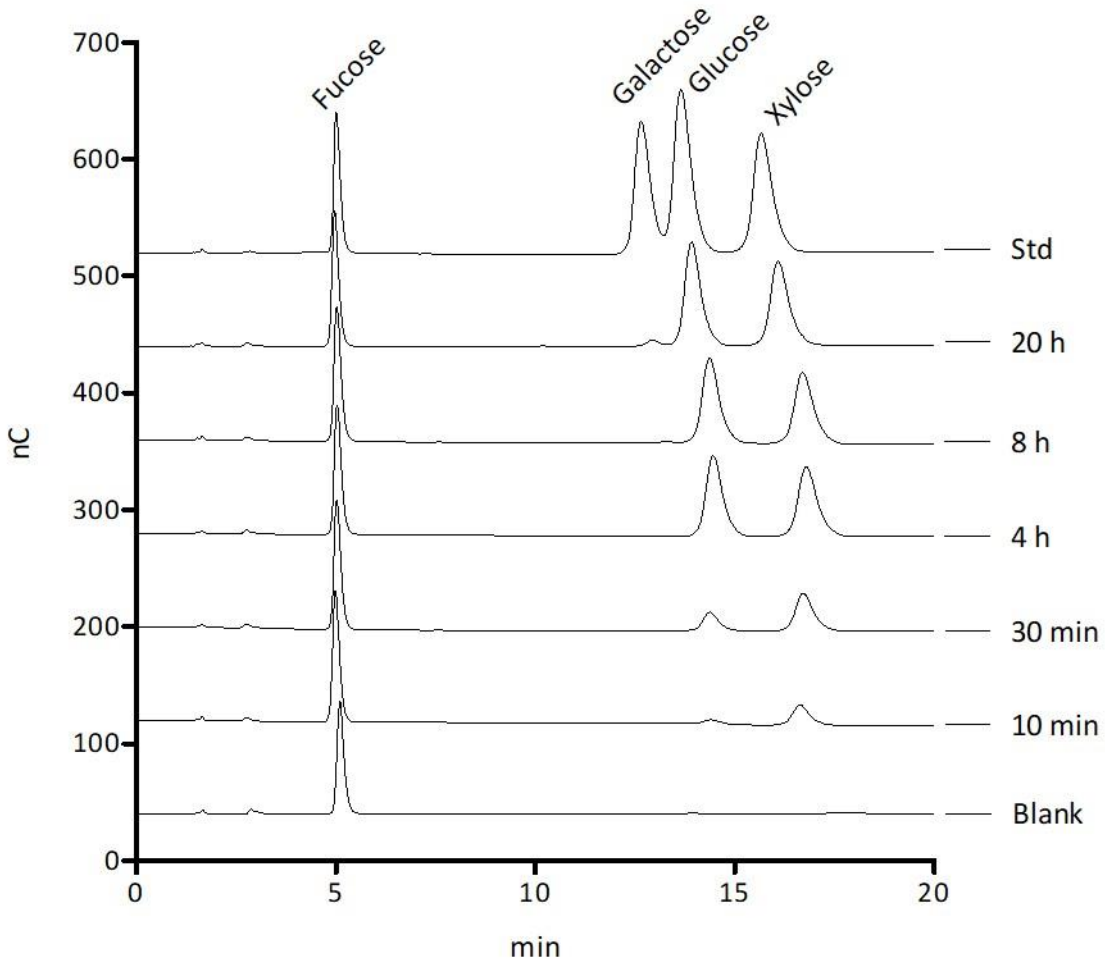


Figure S3: HPAEC-PAD chromatograms of the enzymatic treatment of XGO1 by using LacS 18 U and XylS 0.1 U

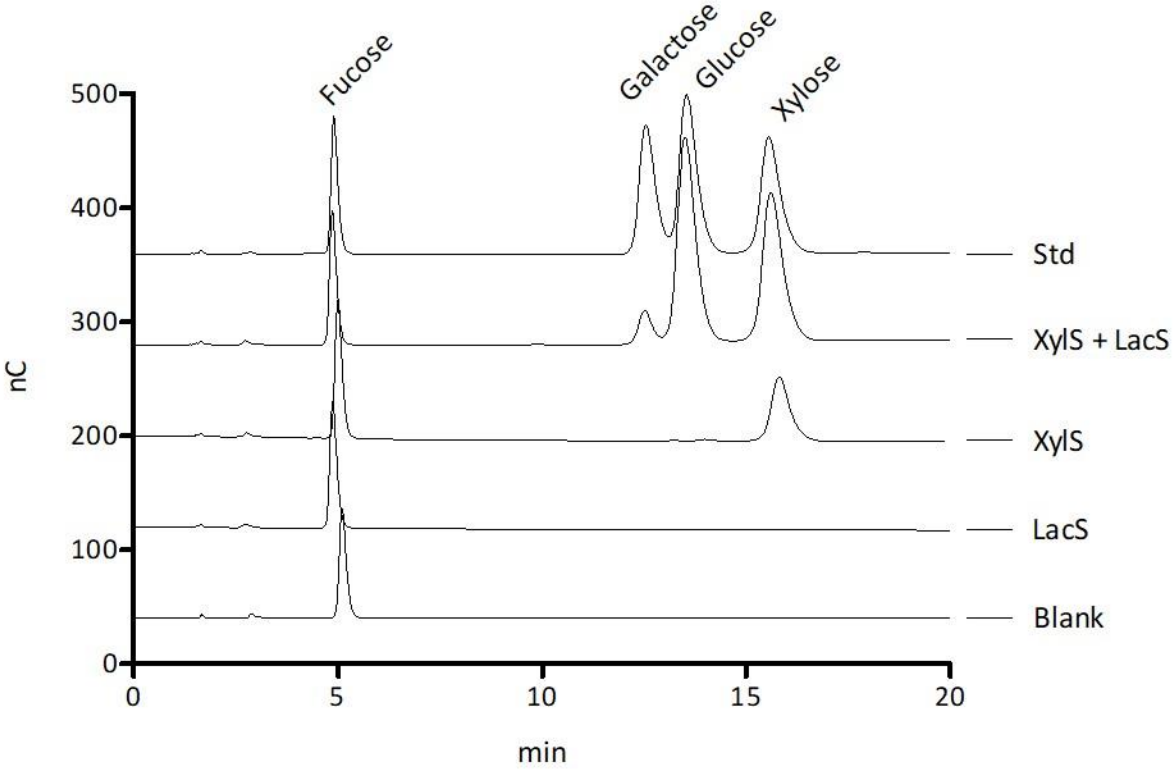


Figure S4: HPAEC-PAD chromatograms of the time course of the enzymatic treatment of XGO1 by using LacS 18 U and XylS 0.1 U

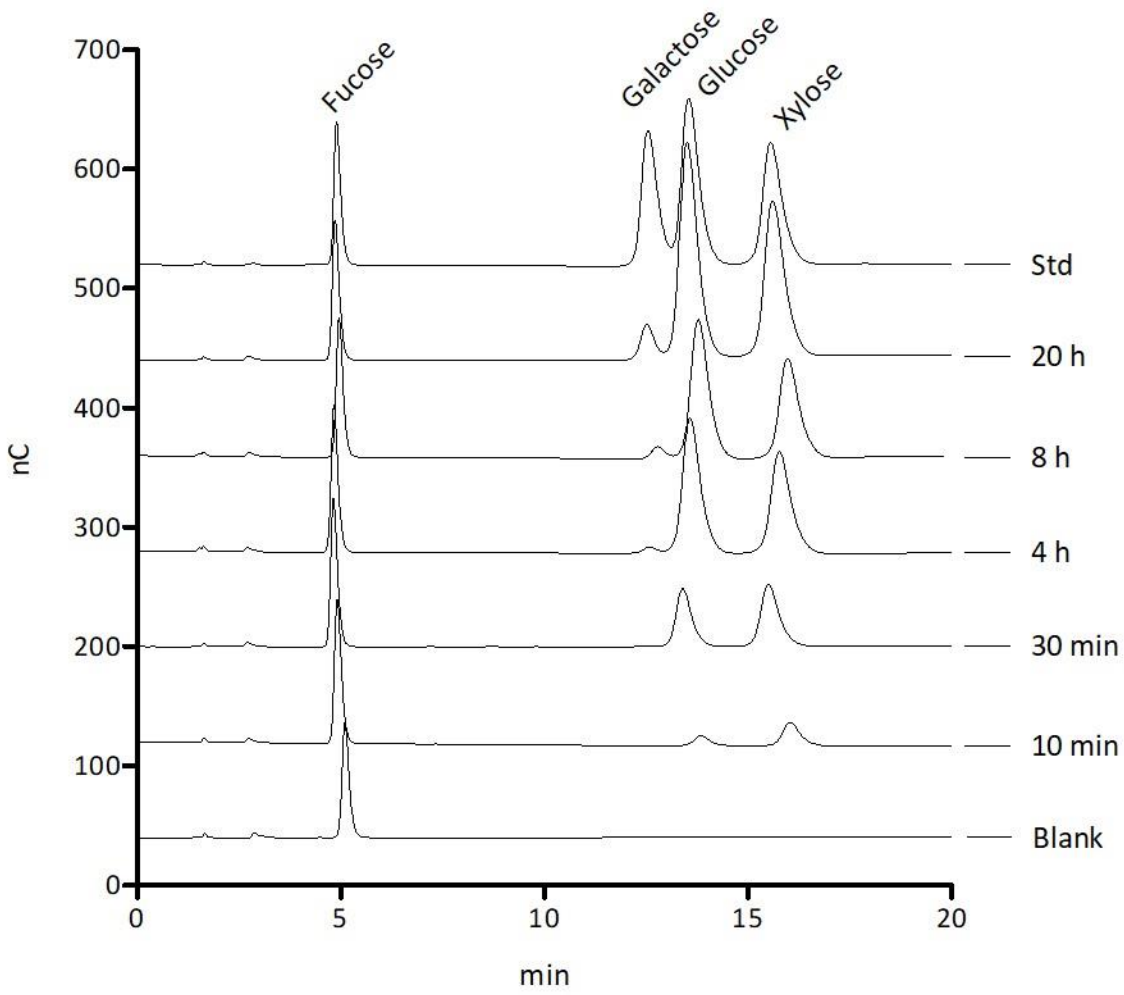


Figure S5: HPAEC-PAD chromatograms of the enzymatic treatment of XGO2 by LacS 2.2 U, XylS 0.1 U and Ss α Fuc 0.3 U

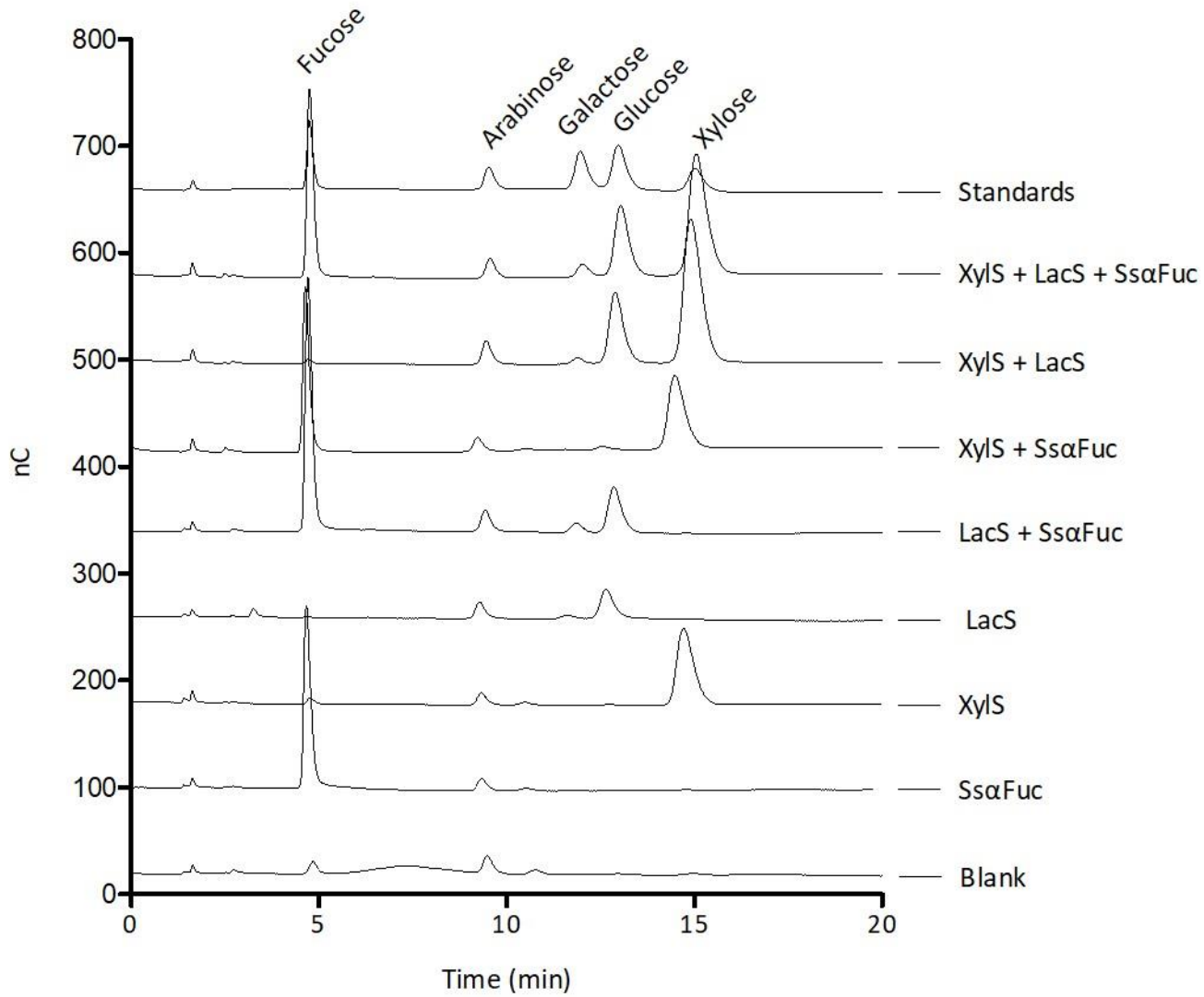


Figure S6: HPAEC-PAD chromatograms of the time course of the enzymatic treatment of XGO2 by LacS 2.2 U, XylS 0.1 U and SsaFuc 0.3 U

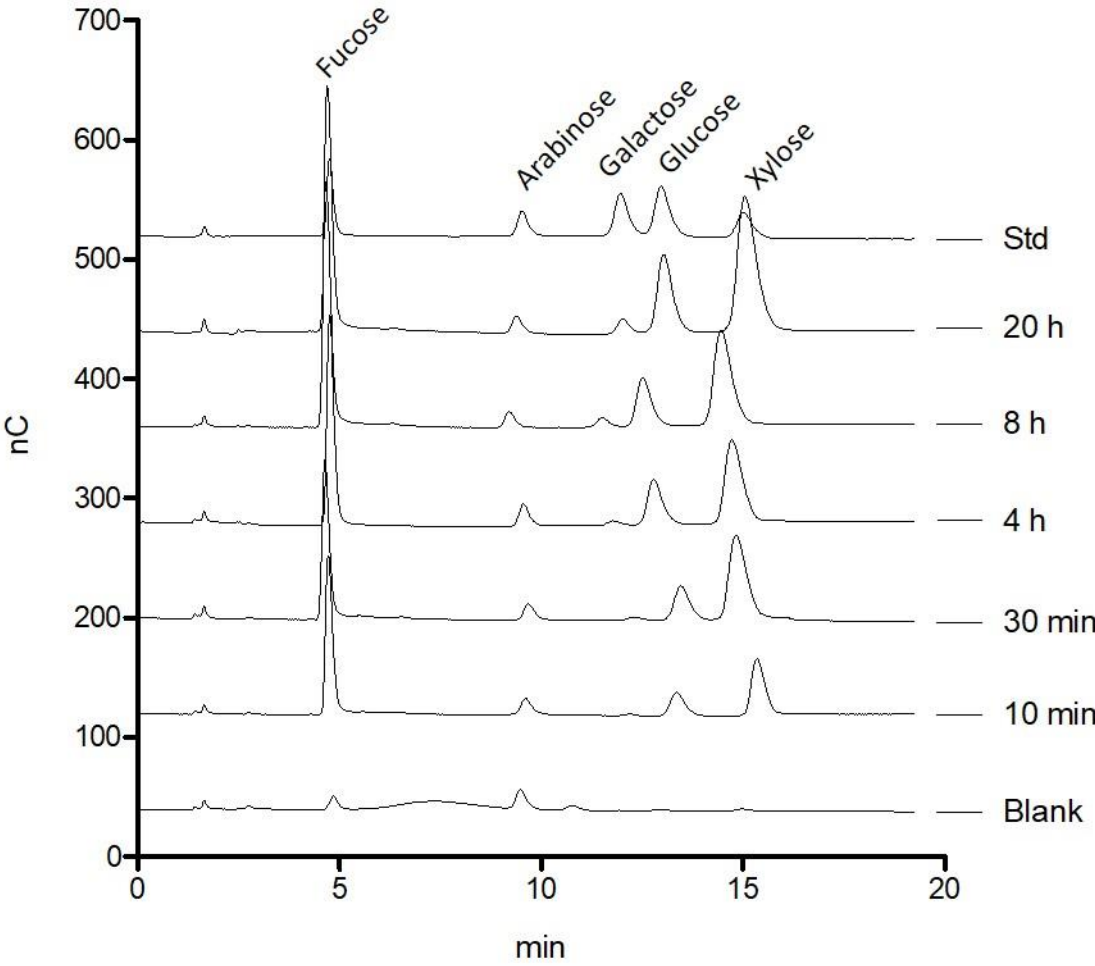


Table S1: Monosaccharides composition from the time course of the enzymatic treatment of XGO1 by using LacS 2.2 U and XylS 0.1 U

Time	Galactose (μg)	Glucose (μg)	Xylose (μg)
T ₀	ND	ND	ND
10 min	ND	8.6 \pm 1.2	45.2 \pm 4
30 min	ND	26.9 \pm 0.5	66.7 \pm 1
4 h	ND	110.9 \pm 2.4	111.7 \pm 0.7
8 h	2.9 \pm 0.3	128.5 \pm 7	130.6 \pm 3
20 h	12.3 \pm 1.1	158.3 \pm 1.3	149.7 \pm 1

Table S2: monosaccharides composition from the time course of the enzymatic treatment of XGO1 by using LacS 18 U and XylS 0.1 U

Time	Galactose (μg)	Glucose (μg)	Xylose (μg)
T ₀	ND	ND	ND
10 min	ND	17.1 \pm 0.3	52.7 \pm 3.5
30 min	ND	89.5 \pm 3	128.5 \pm 3
4 h	10.9 \pm 0.6	242.5 \pm 6.8	232.1 \pm 4
8 h	22.3 \pm 0.4	257 \pm 0.7	235.6 \pm 4
20 h	41.3 \pm 2.9	348.9 \pm 9.3	299.9 \pm 9.6

Table S3: monosaccharides composition from the time course of enzymatic treatment of XGO2 by LacS 2.2 U, XylS 0.1 U and Ss α Fuc 0.2 U

Time	Fucose (μg)	Galactose (μg)	Glucose (μg)	Xylose (μg)
T ₀	6.2 \pm 0.4	ND	2.6 \pm 0.1	5.4 \pm 0.6
10 min	38.2 \pm 1.8	ND	4.7 \pm 0.4	48.2 \pm 6.8
30 min	63.7 \pm 2	0.5 \pm 0.1	7.9 \pm 1.5	64 \pm 4.6
4 h	73.5 \pm 1.3	1.6 \pm 0.2	15.5 \pm 0.7	81.1 \pm 4.2
8 h	73 \pm 1.8	3.1 \pm 0.1	20.8 \pm 0.1	86.7 \pm 3.7
20 h	75.5 \pm 5	6.6 \pm 1	34.7 \pm 5.8	115 \pm 13