

**Table S2.** UHPLC elution program for the enzymatic properties and the sugar donor preference experiments

Time (min)	Flow (mL/min)	Aqueous phase (Water containing 0.1% formic acid)	Organic phase (Acetonitrile)
0	0.3	90	10
2	0.3	90	10
3	0.3	56	44
9	0.3	50	50
10	0.3	0	100
12	0.3	0	100
12.5	0.3	90	10
14.5	0.3	90	10