

**Table S1.** gRNA properties used in the experiment.

Target gene	Vector	sgRNA				
		name	GC content	Out-of-frame score	Mismatches	Direction
NbFucT1	pGenovo111	sgRNAFucT1	30.00%	59.90%	0	-
NbXylT1		sgRNAXylT1	60.00%	60.50%	0	-