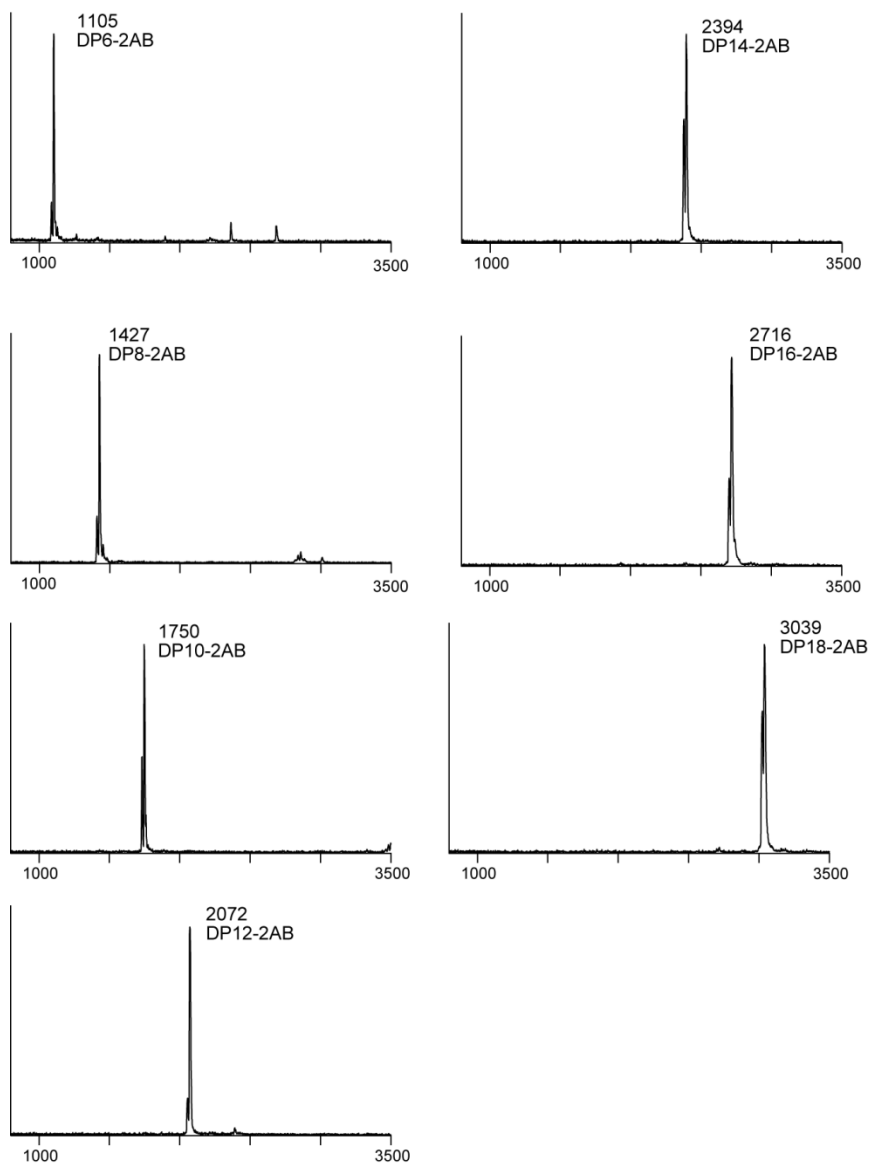# Polymerization of the backbone of the pectic polysaccharide rhamnogalacturonan I
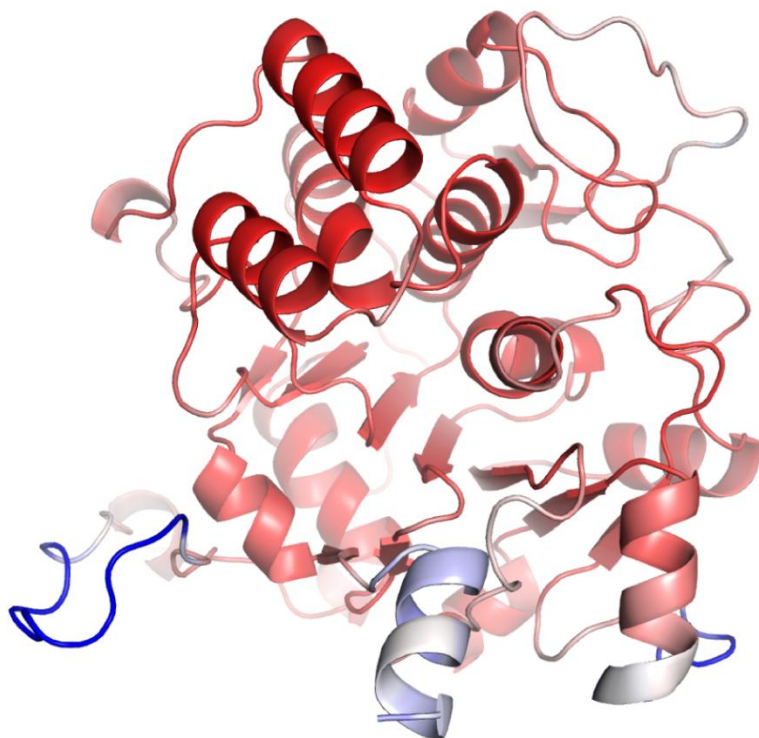
In the format provided by the authors and unedited

Supplementary Figure 1. MALDI-TOF MS of RG-I acceptors purified by anion exchange chromatography.

The purity of RG-I oligosaccharide fractions collected as in Supplemental Fig. 2B was assessed by MALDI-TOF mass spectrometry. DP, degree of polymerization.

Supplementary Figure 2. Top ranked RGGAT1 model generated from AlphaFold2, colored by confidence intervals ranging from 60-100 (blue to red).

Construct	Primer sequence
MUCI70Δ77F	AACTTGTACTTTCAAGGCGTCGGAAAAGGTGAAGATAGTC
MUCI70Δ77R	ACAAGAAAGCTGGGTCTTAAGCTGAATCTGGT
RRT1Δ61F	AACTTGTACTTTCAAGGCTTGGGAGAGATGTGGGGA
RRT1Δ61R	ACAAGAAAGCTGGGTCCTAAATGACTCTCAATGGTTCA
RRT2Δ62F	AACTTGTACTTTCAAGGCGGAGAGATGTGGGGACCT
RRT2Δ62R	ACAAGAAAGCTGGGTCCTAGGTTTCTTCTAGTGAATT
RRT3Δ54F	AACTTGTACTTTCAAGGCTCCCAAATCTTCACTGGT
RRT3Δ54R	ACAAGAAAGCTGGGTCCTAACTGATACATTCTTGAGG
RRT4Δ51F	AACTTGTACTTTCAAGGCGGTGAGCTTTGGCATTCC
RRT4Δ51R	ACAAGAAAGCTGGGTCCTAATGTGTTAAATTTCTATG
Universal PrimerF	GGGGACAAGTTTGTACAAAAAAGCAGGCTCTGAAAACTTGTACTTTCAAGGC
Universal PrimerR	GGGGACCACTTTGTACAAGAAAGCTGGGTC

Supplementary Table 1. All primers used for cloning.

All primer sequences used are listed with universal sequences underlined.