

Table S1. Chemical shifts of resonances in the ¹H and ¹³C NMR spectra of HDBP-1 and HDBP-2

Sugar residue	Chemical shift (ppm), δ					
	C1/H1	C2/H2	C3/H3	C4/H4	C5/H5	C6/H6
HDBP-1						
→4)-α-D-Araf-(1→	107.92/5.17	81.13/4.12	-/-	84.07/3.56	68.80/3.91	-/-
→6)-α-D-Galp-(1→	103.47/5.06	73.32/3.51	75.77/3.56	70.38/3.51	78.78/3.56	61.23/3.81
β-D-Galp-(1→	102.32/4.78	70.99/3.76	71.52/4.12	-/-	78.78/3.76	62.93/3.51
→4)- β-D-Glcp-(1→	101.82/4.43	75.77/3.56	73.32/4.12	72.86/3.76	70.99/3.81	61.15/3.76
→2)-α-L-Manp-(1→	98.57/5.9	75.77/4.12	69.43/3.81	68.8/3.54	71.52/3.01	60.85/3.91
HDBP-2						
→3,4)-α-D-Araf-(1→	109.36/5.19	81.50/4.21	76.57/4.00	83.07/4.06	62.73/3.58	-/-
→3)- β-L-Rhap-(1→	107.76/4.97	76.96/4.20	71.42/4.21	75.27/3.69	73.36/3.77	60.75/3.53
→3)-α-D-Galp-(1→	103.65/5.10	73.36/3.39	77.38/3.46	71.52/3.48	78.11/3.49	62.73/3.69
→6)- β-D- Galp -(1→	102.96/4.45	72.24/3.58	81.17/4.06	68.34/3.83	75.78/3.77	66.99/3.69
→4)- β-D-Glcp-(1→	101.48/4.70	77.38/3.69	75.27/4.06	73.36/3.77	71.52/3.83	61.77/3.77
α-L-Manp-(1→	100.16/5.02	75.78/4.21	70.90/3.83	68.82/3.58	72.24/3.69	62.73/3.58