

Additional file 5. Adsorption parameters and affinities of the binding of probes to various substrates. Interaction with Avicel, regenerated amorphous cellulose (RAC) and various hexaoses was determined using SSDA and ITC in 20 Tris-HCl pH 7.5 containing 20 mM NaCl and 5 mM CaCl₂.

Probes	Ligand	$K_a \times 10^5 \text{ (M}^{-1}\text{)}$	n
GC3a	Avicel	91.41 ^a (± 2.5)	0.76 ^b (± 0.9)
	Cellohexaose	-	-
	Xylohexaose	-	-
	Mannohexaose	-	-
CC17	RAC	23.67 ^a (± 3.9)	6.88 ^b (± 0.7)
	Cellohexaose	3.34 (± 0.8)	1.1 ^c (± 0.1)
	Xylohexaose	-	-
	Mannohexaose	-	-
OC15	Cellohexaose	0.02 (± 0.01)	0.9 ^c (± 0.3)
	Xylohexaose	0.82 (± 0.1)	1.0 ^c (± 0.1)
	Mannohexaose	-	-
CC27	Cellohexaose	-	-
	Xylohexaose	-	-
	Mannohexaose	6.93 (± 0.5)	1.1 ^c (± 0.3)

^a: Values were determined by SSDA
^b: Density of binding sites per gram of substrate (μmol/g);
^c: Number of ligand binding sites on the protein
 -: No binding detected