

Supporting Information for;

**Thiol-ene Immobilisation of Carbohydrates onto Glass
Slides as a Simple Alternative to Gold-Thiol Monolayers,
Amines or Lipid Binding**

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Additional XPS Data

Table S1. XPS Elemental Ratios for silicon surfaces

Sample	C (%)	O (%)	Si (%)	N (%)	Na (%)
Cleaned Si	12.65	27.37	59.26	0.71	--
Silane only	11.86	27.34	60.4	0.39	--
Glc-SH + amine	12.39	26.52	60.37	0.6	0.12
Glc-SH - amine	10.79	26.87	62.06	0.23	0.05
Gal-SH + amine	14.81	26.69	57.66	0.71	0.13
Gal-SH - amine	11.19	27.87	60.36	0.49	0.09

Table S2. Binding Energies for the C-OH peak of the C 1s

C 1s	Energy (eV)	%
Cleaned Si	287.19	37.57
Silane only	287.09	21.95
Glc-SH + amine	287.03	23.04
Glc-SH - amine	286.83	22.17
Gal-SH + amine	287	34.46
Gal-SH - amine	287.07	24.12

Additional Ellipsometry Data

Table S3. Complete ellipsometry thicknesses for silicon surfaces

Sample	Additional Thickness (nm)				Standard Deviation
	1	2	3	Average	
Cleaned Si	1.425	1.485	1.531	1.480	0.053
Silane only	0.609	0.623	0.609	0.614	0.008
Glc-SH + amine	0.400	0.459	0.400	0.420	0.034
Glc-SH - amine	0.434	0.400	0.493	0.442	0.047
Gal-SH + amine	0.520	0.518	0.578	0.538	0.034
Gal-SH – amine	0.435	0.400	0.458	0.431	0.029