**Table S4.** Naturally occurring glycoconjugates used in this study

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| **Glycoconjugates** | **Origin** |
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| Salivary mucin-5B (MUC5B) | Prepared as previously described ; Gift from Dr. Molakala S. Reddy |
| Salivary mucin-7 (MUC7) | Prepared as previously described ; Gift from Dr. Molakala S. Reddy |
| Proline-Rich Proteins (PRP-I) | Prepared as previously described ; Gift from Dr. Donald I. Hay |
| Salivary α-amylase | From human saliva; Sigma-Aldrich |
| Glycophorin A | From blood type B-negative; Sigma-Aldrich |
| Fetuin | From fetal calf serum; Sigma-Aldrich |
| Laminin | From human placenta; Sigma-Aldrich |
| Fibronectin | From human plasma; Sigma-Aldrich |
| Thyroglobulin | From bovine thyroid; Sigma-Aldrich |
| Collagen IV | From human placenta; Sigma-Aldrich |
| α1-acid Glycoprotein | Human source; Sigma-Aldrich |
| Heparin | From porcine intestinal mucosa; Sigma-Aldrich |
| Heparin sulfate | From bovine kidney; Sigma-Aldrich |
| Secretory IgA (sIgA) | Two samples sIgA that were purified from human colostrum, but by different preparation methods; Cappel, MP Biomedicals; Santa Ana, CA |
| IgA1 (plasma) | From human plasma; Athens Research & Technology, Athens, GA |
| IgA2 (plasma) | From human plasma; Athens Research & Technology |
| IgA1 (myeloma) | From human myeloma plasma; Athens Research & Technology |
| IgA2 (myeloma) | From human myeloma plasma; Athens Research & Technology |