**Table S2.** Sugar composition of known *A. baumannii* oligosaccharide structures.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Straina** | **Simple sugars** | **Other sugars** | **No. Gtr requiredb** | **Reference** |
| 307-0294c | D-Glc*p*NAc6Ac D-Gal*p*NAcA | D-Qui*p*NAc4NRd | 2 | [[1](#_ENREF_1)] |
| 24 | D-Glc*p*NAc6AcD-Gal*p*NAcA | D-Qui*p*NAc4NRd | 2 | [[2](#_ENREF_2)] |
| MG1c | D-Glc*p*NAc | L-Gal*p*NAcAD-Qui*p*NAc4NRd  | 2 | [[3](#_ENREF_3)] |
| SMALc | D-Glc*p*D-Gal*p*D-Glc*p*NAc D-Gal*p*NAc | D-Glc*p*NAc3NAcA | 4 | [[3](#_ENREF_3)] |
| O1 | D-Gal*p*D-Glc*p*NAcD-Gal*p*NAc |  | 2 | [[4](#_ENREF_4)] |
| O2 | D-Gal*p*D-Gal*p*NAc | D-Fuc*p*3NHb | 5 | [[5](#_ENREF_5)] |
| O5 | D-Glc*p*NAc D-Gal*p*NAcA | L-Fuc*p*NAc | 3 | [[6](#_ENREF_6)] |
| O7 | D-Glc*p*NAc | L-Rha*p* | 5 | [[7](#_ENREF_7)] |
| O10 | D-Glc*p*NAc | D-Man*p*NAcL-Rha*p* | 4 | [[8](#_ENREF_8)] |
| O11 | D-Glc*p*D-Gal*p*D-Gal*p*NAc |  | 4 | [[9](#_ENREF_9)] |
| O12 | D-Glc*p*D-Glc*p*NAc D-Gal*p*NAc |  | 3 | [[10](#_ENREF_10)] |
| O16 | D-Glc*p*D-Glc*p*NAc D-Gal*p*NAc |  | 3 | [[11](#_ENREF_11)] |
| O18 | D-Gal*p*D-Gal*p*NAc | D-Man*p*NAc | 3 | [[12](#_ENREF_12)] |
| O23 | D-Gal*p*D-Glc*p*NAcD-Gal*p*NAc | D-Qui*p*3NHb | 4 | [[10](#_ENREF_10)] |
| O24 | D-Glc*p*NAc | Legionaminic acid relativeL-Fuc*p*NAc | 3 | [[13](#_ENREF_13)] |
| 9 | D-Glc*p*D-Gal*p*NAc | D-Qui*p*4NAc | 4 | [[14](#_ENREF_14)] |
| 34 | D-Gal*p*D-Gal*p*NAc | D-Fuc*p*3NBuOH | 5 | [[15](#_ENREF_15)] |
| 214 (O22) | D-Glc*p*D-Gal*p*D-Gal*p*NAc |  | 2 | [[16](#_ENREF_16)] |

a Strains with names beginning with O are representatives of that designated ‘O type’ in the antigenic typing scheme.

b Maximum number of glycosyltransferases needed for number of linkages without the Itr

c The structures of 307-0294, SMAL and MG1 are known capsules. ATCC 17961 [[17](#_ENREF_17)] has the same structure as SMAL. The structure for the ATCC 17978 protein glycan [[18](#_ENREF_18)] is also identical to the SMAL structure.

dR is Ac (acetyl) or Hb (3-OH-butyrate) group

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