



Figure S3: Confirmation of components I and II using hydrogen/deuterium exchange MS. A, MS spectrum of purified A-LPS fragment from *P. gingivalis* W50 after hydrogen/deuterium exchange. The boxed product ion was targeted for MS² analysis. B, MS² spectrum of *m/z* 661. The boxed product ion was targeted for MS³ analysis. C, MS³ spectrum of *m/z* 311 (661.40@cid30.00 311.30@cid30.00). The structures shown represents the fully deuterated (MD⁺) forms of components I (110 Da), II (203 Da), I-II (312 Da), & I-II-III (662 Da). Note that one H is bonded to N in the fully deuterated form of component I. This is because the origin of the H is from C4 of the sugar and therefore not exchangeable.