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166 Figure S12. Mutations of essential regions for forming the lipid A binding cavity.

167 The close-up view shows the MCR-1 lipid A binding cavity with LPS and the four regions responsible

168 for anchoring LPS. The linker domain and transmembrane domain are in magenta and orange,

169 respectively. LPS binding with MCR-1 is represented as a stick mode and coloured in green. The salt

170 bridges for the interaction with LPS are shown in red. The change in structure with mutated residues in

171 each region is shown in detail.