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Supplementary material

The structure of *Ganoderma atrum* polysaccharide (PSG-1), and more details could be found in the published article "H. Zhang, W.-J. Li, S.-P. Nie, Y. Chen, Y.-X. Wang and M.-Y. Xie, Structural characterisation of a novel bioactive polysaccharide from Ganoderma atrum, *Carbohydrate Polymers*, 2012, **88**, 1047-1054. https://doi.org/10.1016/j.carbpol.2012.01.061."

$$\begin{array}{c} 1) \text{-}\alpha\text{-}Galp\text{-}(4\leftarrow 1) \text{-}\alpha\text{-}Galp\text{A}\text{-}(4\leftarrow 1) \text{-}\beta\text{-}Glcp\text{-}(6\leftarrow 1) \text{-}\beta\text{-}Glcp\text{-}(3\leftarrow 1) \text{-}\beta\text{-}Glcp} \\ \downarrow 6 \\$$

Fig. S1. Possible molecular structure of PSG-1.