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Supplementary figures and mutant construct descriptions

ScbA from *Streptomyces coelicolor* A3(2) has homology to fatty acid synthases and is able to synthesise γ -butyrolactones, by N.-H. Hsiao, J. Söding, D. Linke, C. Lange, C. Hertweck, W. Wohlleben and E. Takano

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MS data for M145::pSET152 (Fig. 1A, B) and M751::pIJ6147 (Fig. 2A, B) where SCB1 production was observed.

Fig. S1. A. (a) Base peak chromatogram of M145::pSET152. (b) Extracted ion chromatogram (SIM) for m/z 245 ($[244+H]^+$) of sample M145::pSET152. (c) Base peak chromatogram of SCB1 standard. (B) (a) Mass spectrum of the peak at retention time 14.5 min of sample M145::pSET152. (b) Mass spectrum of SCB1 standard. (c) MS/MS spectrum of the m/z 245 hydrogen adduct, peak at 14.5 min of sample M145::pSET152. (d) MS/MS spectrum of the m/z 245 hydrogen adduct, SCB1 standard.

Fig. S2. A. (a) Base peak chromatogram of sample M751::pIJ6147. (b) Extracted ion chromatogram (SIM) for m/z 245 ($[244+H]^+$) of sample M751::pIJ6147. (c) Base peak chromatogram of SCB1 standard. B. (a) Mass spectrum of the peak at retention time 14.5 min of sample M751::pIJ6147. (b) Mass spectrum of SCB1 standard.