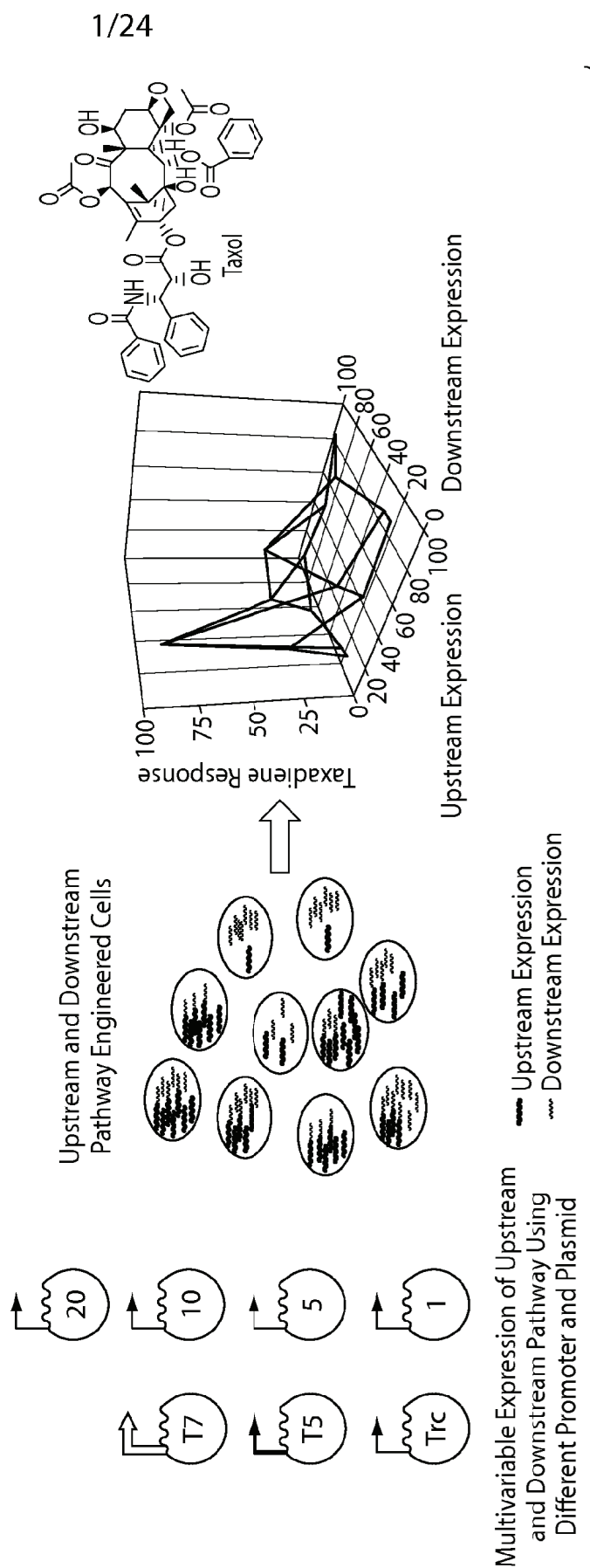


Fig. 1a



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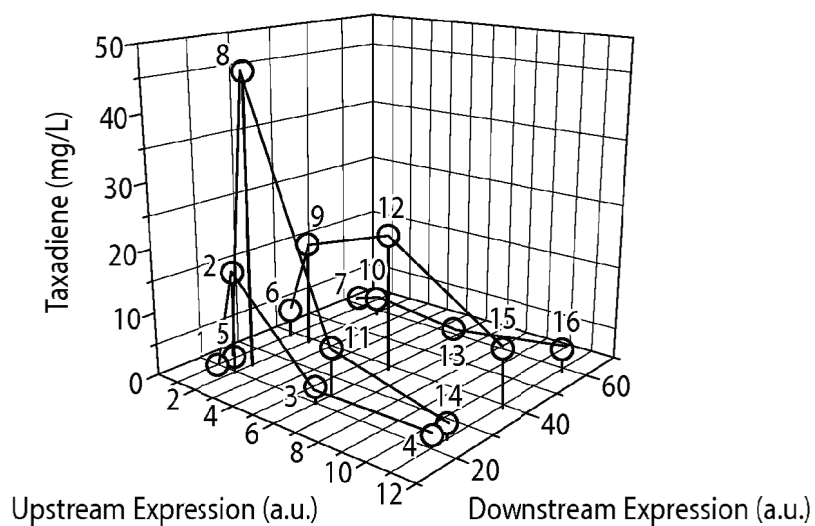


Fig. 2a

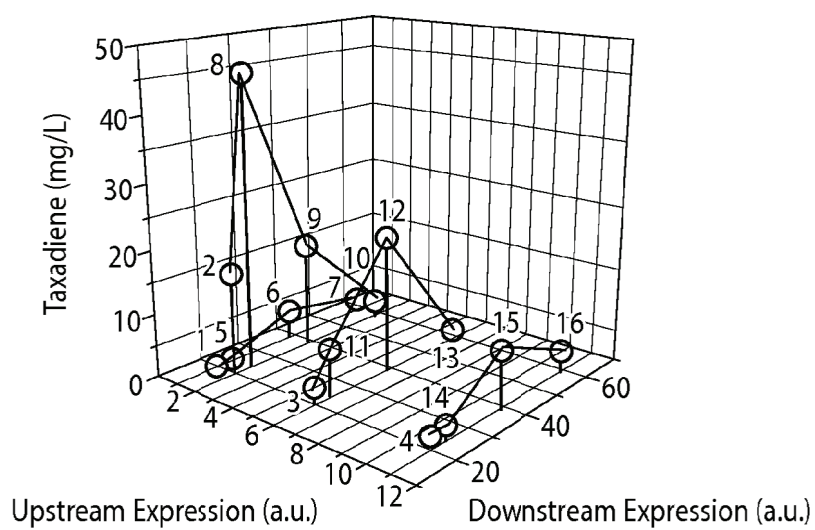


Fig. 2b

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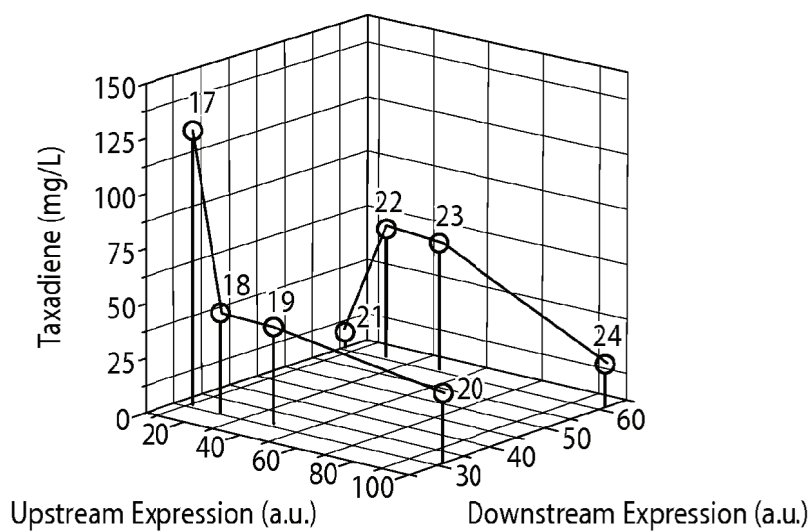


Fig. 2c

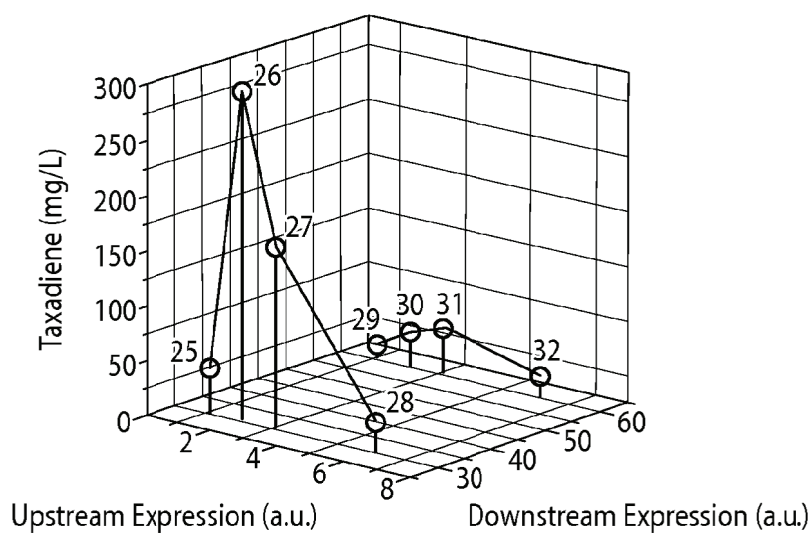


Fig. 2d

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1. Ep20TrcGT
2. ECh1TrcMEPp20GT
3. Ep5TrcMEPp20TrcGT
4. Ep10TrcMEPp20TrcGT
5. Ep20TrcTG
6. Ep20T5GT
7. Ep20T5GTTTrcT
8. ECh1TrcMEPp20TrcTG
9. ECh1TrcMEPp20T5GT
10. ECh1TrcMEPp20T5GTTTrcT
11. Ep5TrcMEPp20TrcTG
12. Ep5TrcMEPp20T5GT
13. Ep5TrcMEPp20T5GTTTrcT
14. Ep10TrcMEPp20TrcTG
15. Ep10TrcMEPp20T5GT
16. Ep10TrcMEPp20T5GTTTrcT
17. EDE3p10TrcMEPp5T7TG
18. EDE3p20TrcMEPp5T7TG
19. EDE3p20T5MEPp5T7TG
20. EDE3p20T7MEPp5T7TG
21. EDE3p5TrcMEPp10T7TG
22. EDE3p20TrcMEPp10T7TG
23. EDE3p20T5MEPp10T7TG
24. EDE3p20T7MEPp10T7TG
25. EDE3p5T7TG
26. EDE3Ch1TrcMEPp5T7TG
27. EDE3Ch1T5MEPp5T7TG
28. EDE3Ch1T7MEPp5T7TG
29. EDE3p10T7TG
30. EDE3Ch1TrcMEPp10T7TG
31. EDE3Ch1T5MEPp10T7TG
32. EDE3Ch1T7MEPp10T7TG

Fig. 2e

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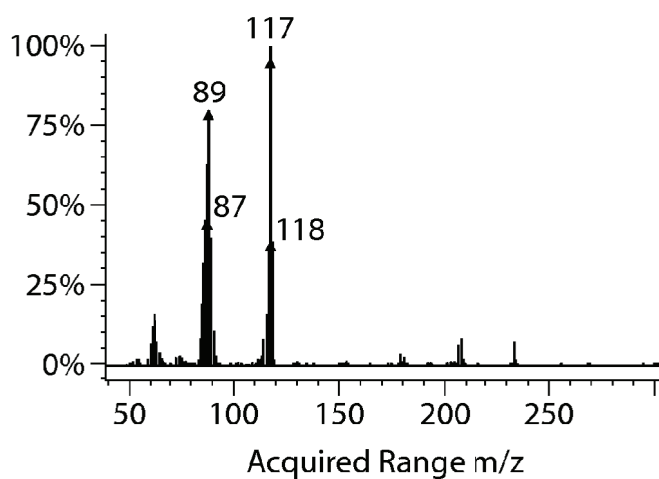


Fig. 3a

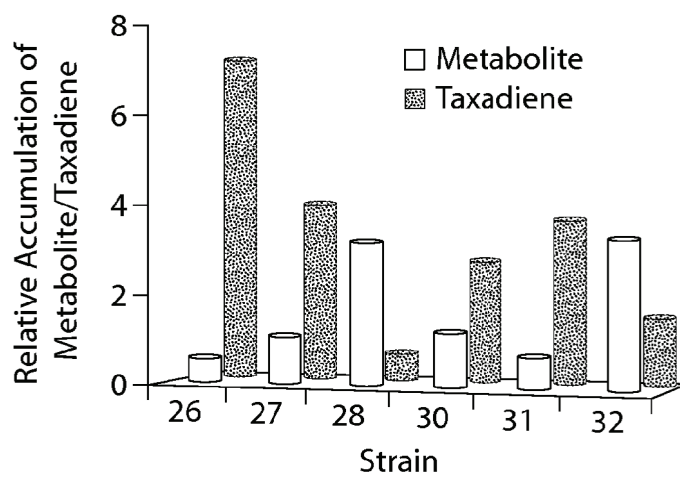


Fig. 3b

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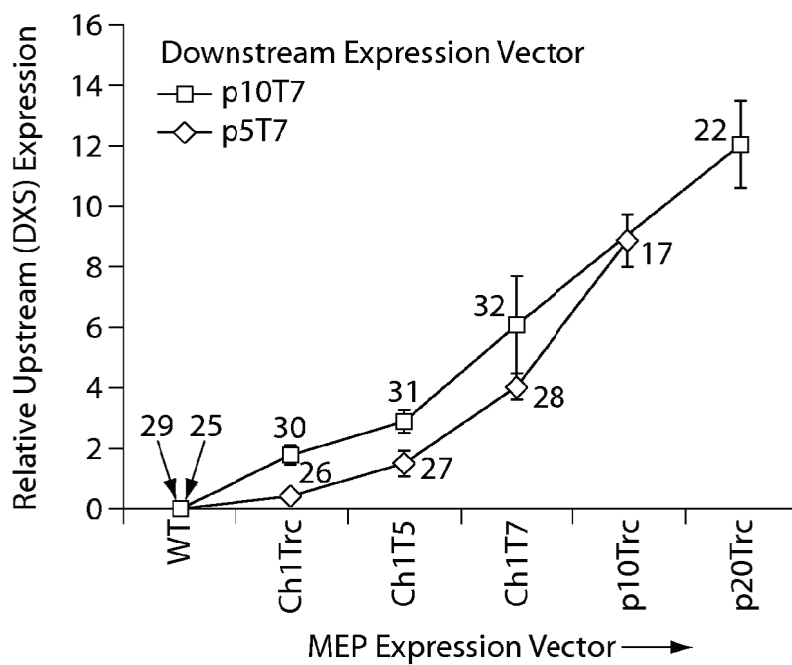


Fig. 4a

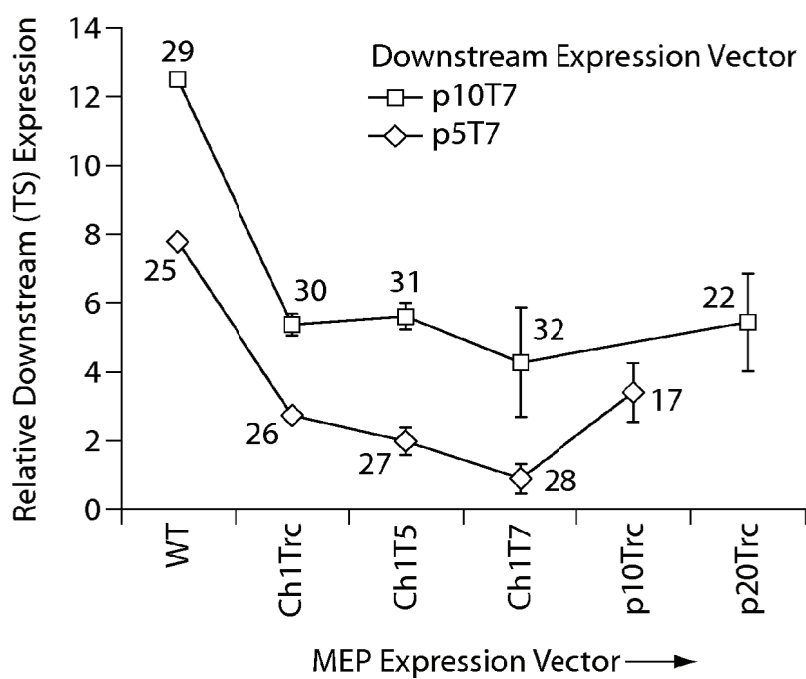


Fig. 4b

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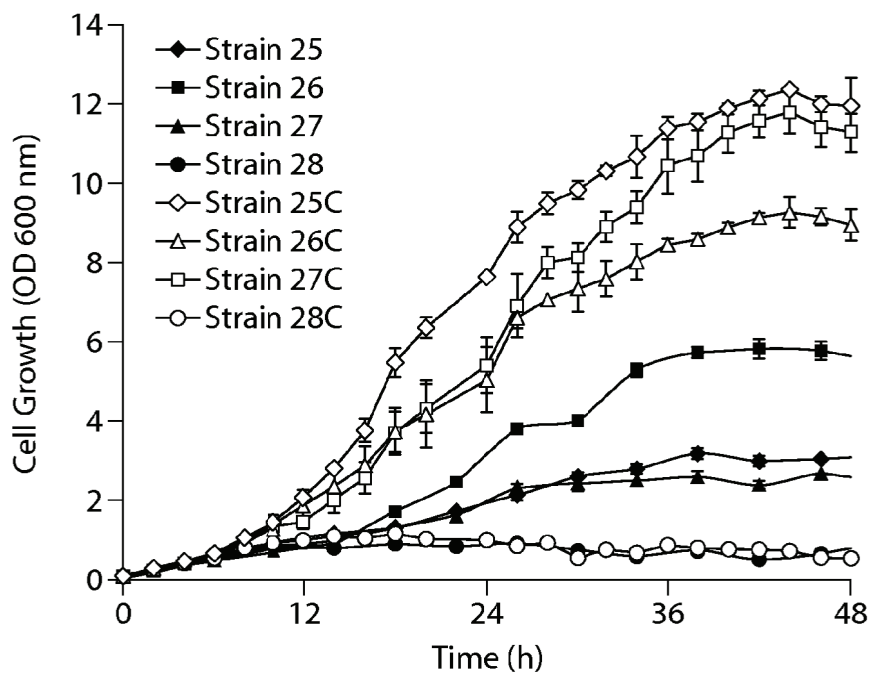


Fig. 4c

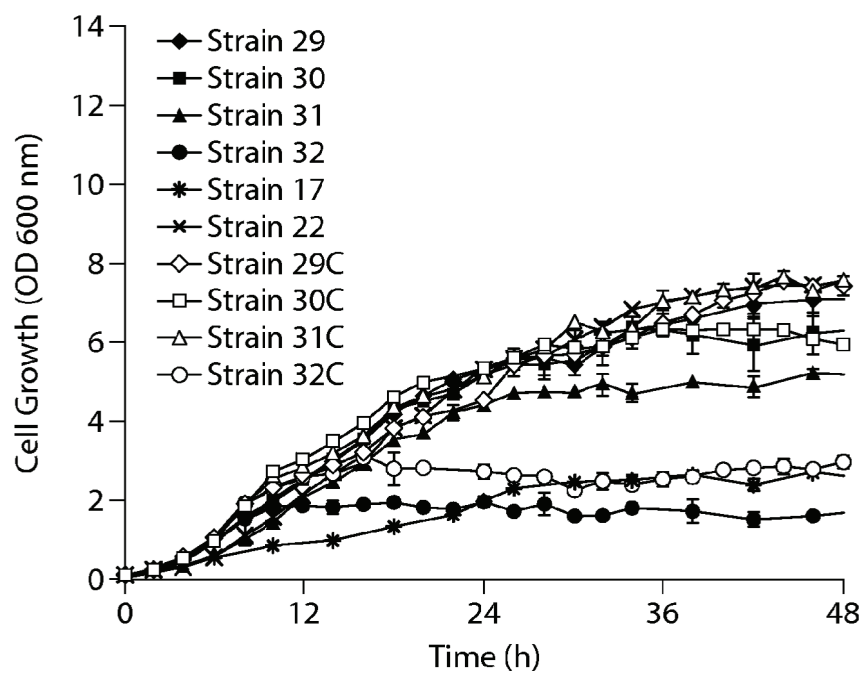


Fig. 4d

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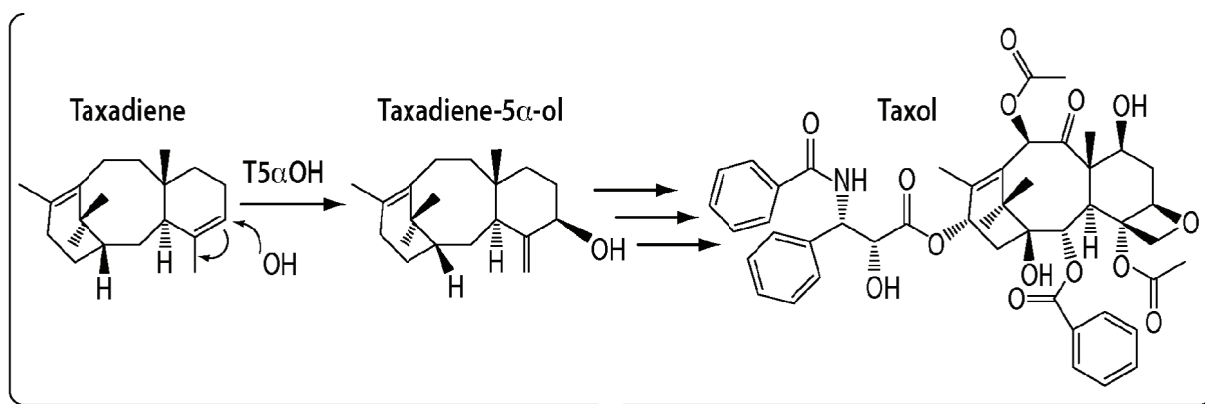


Fig. 5a

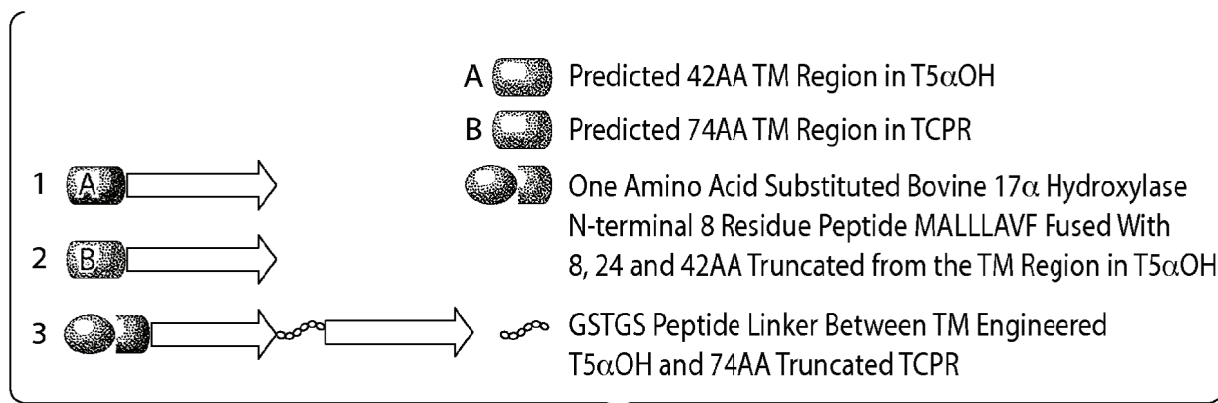


Fig. 5b

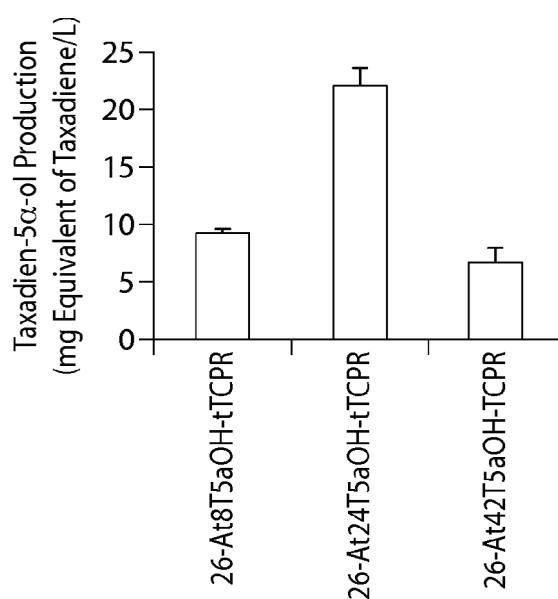


Fig. 5c

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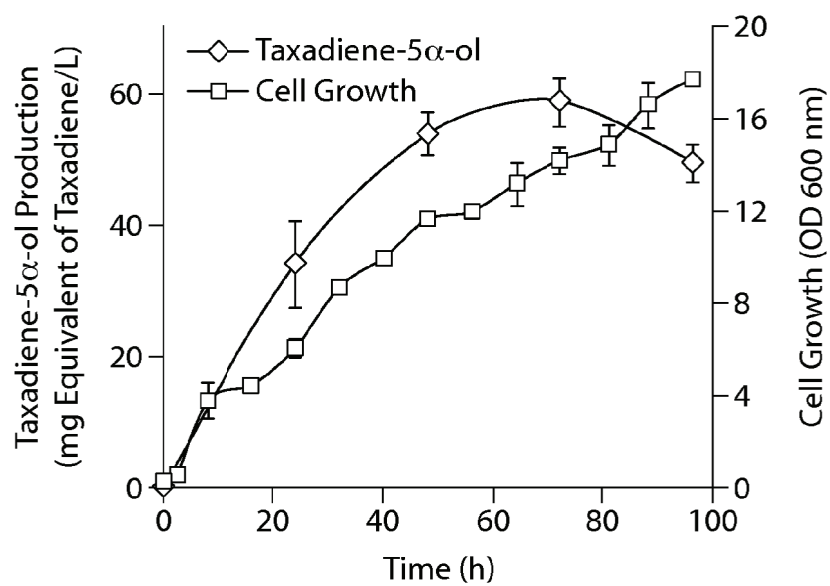


Fig. 5d

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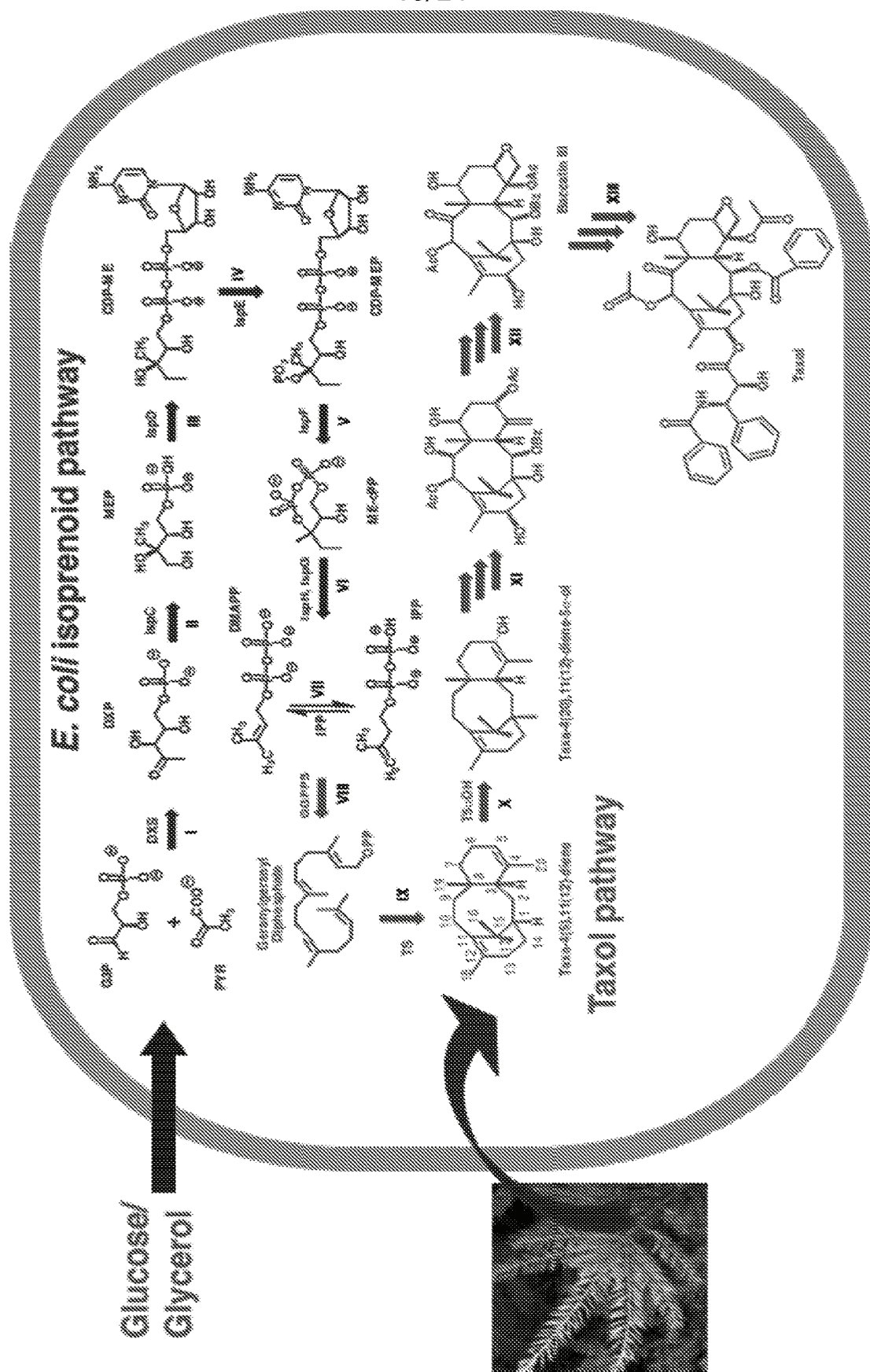


Fig. 6

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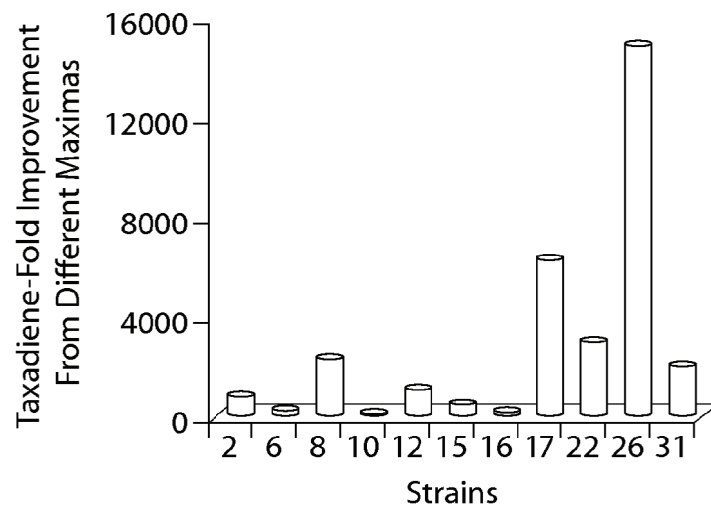


Fig. 7

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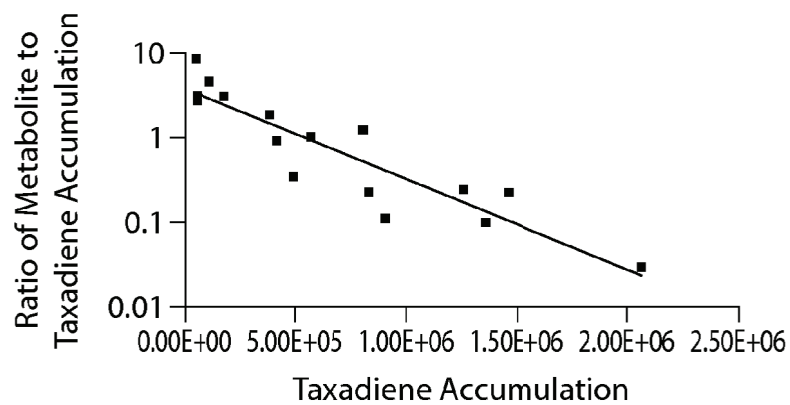


Fig. 8a

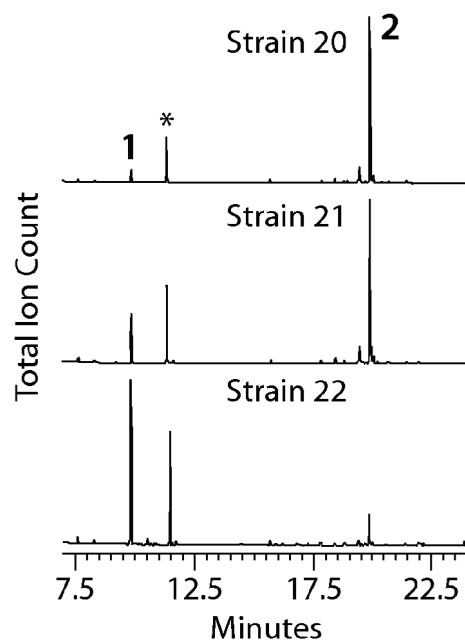


Fig. 8b

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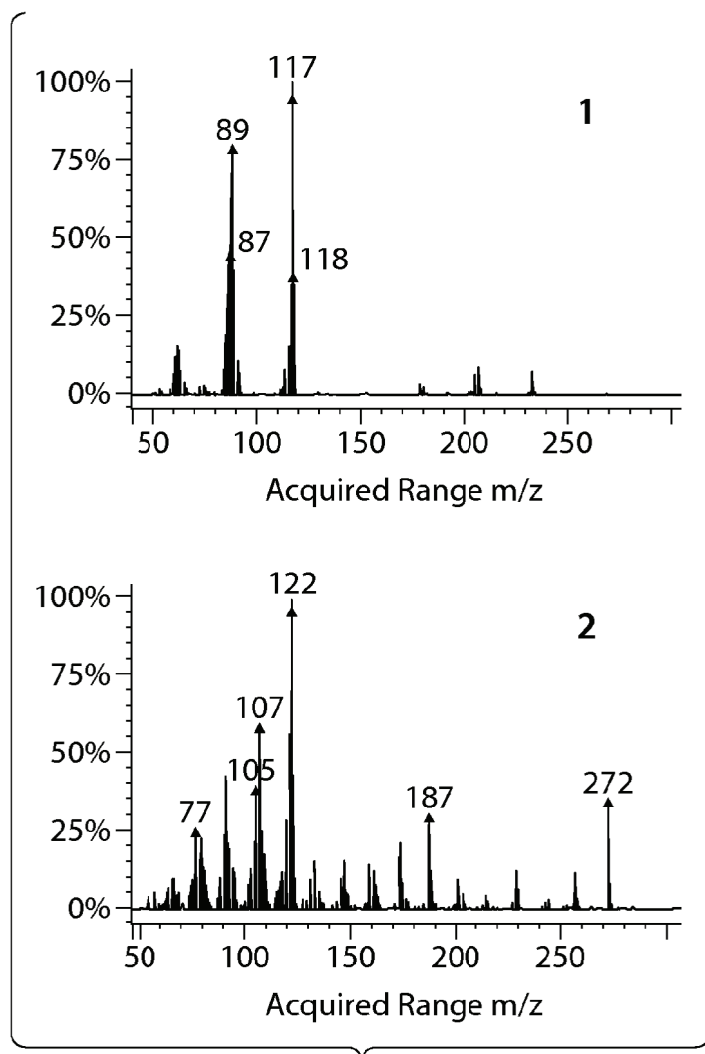


Fig. 8c

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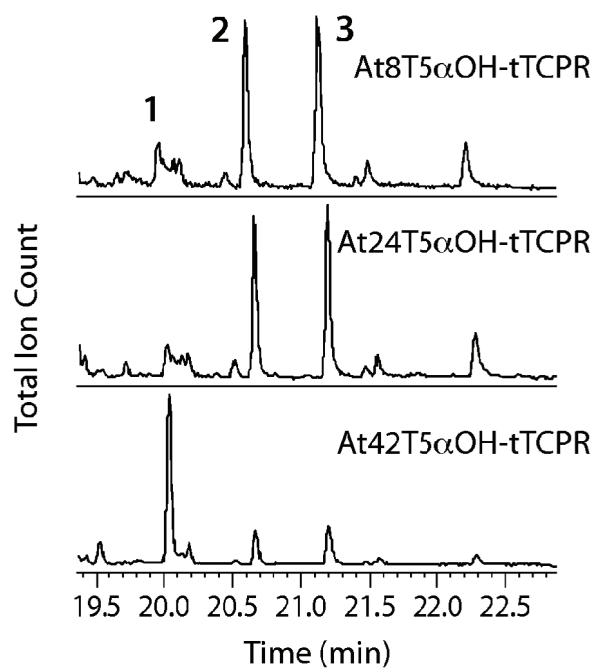


Fig. 9a

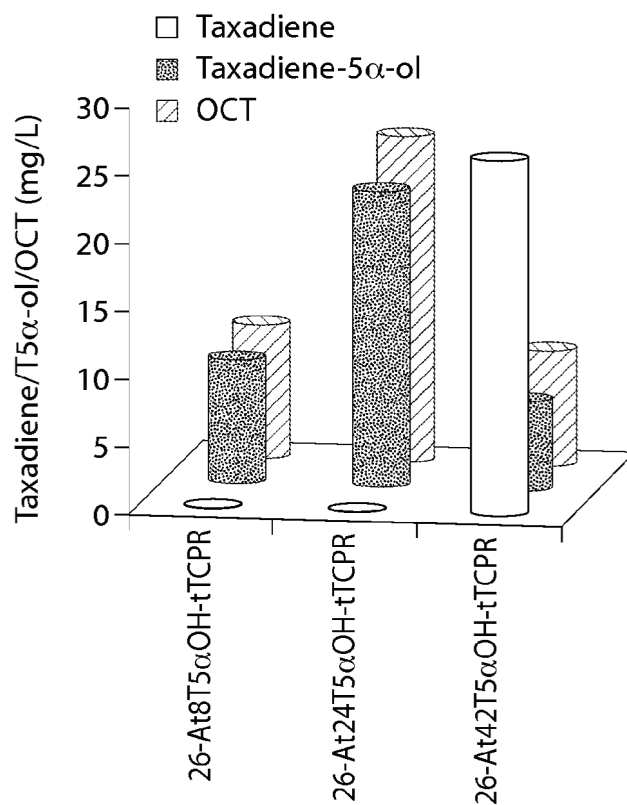


Fig. 9b

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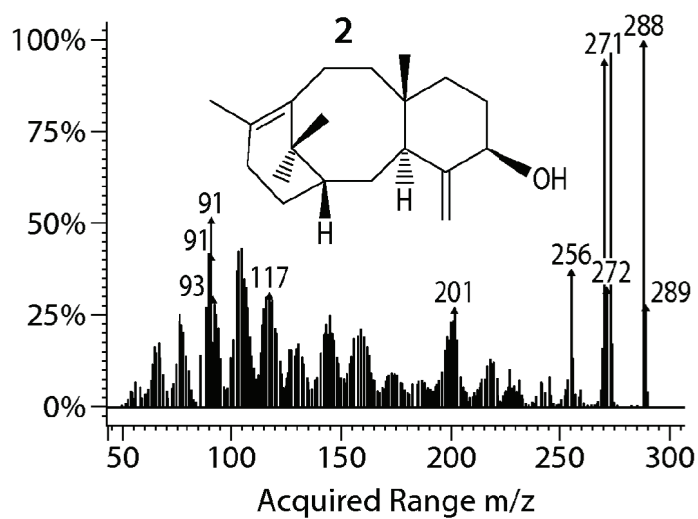


Fig. 9c

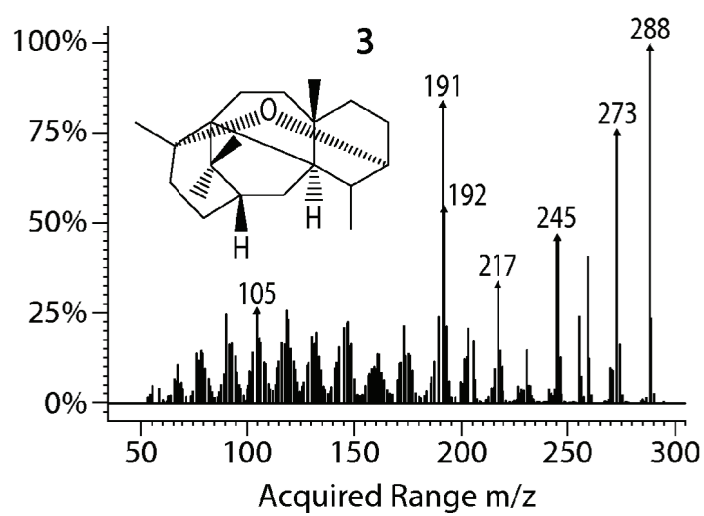


Fig. 9d

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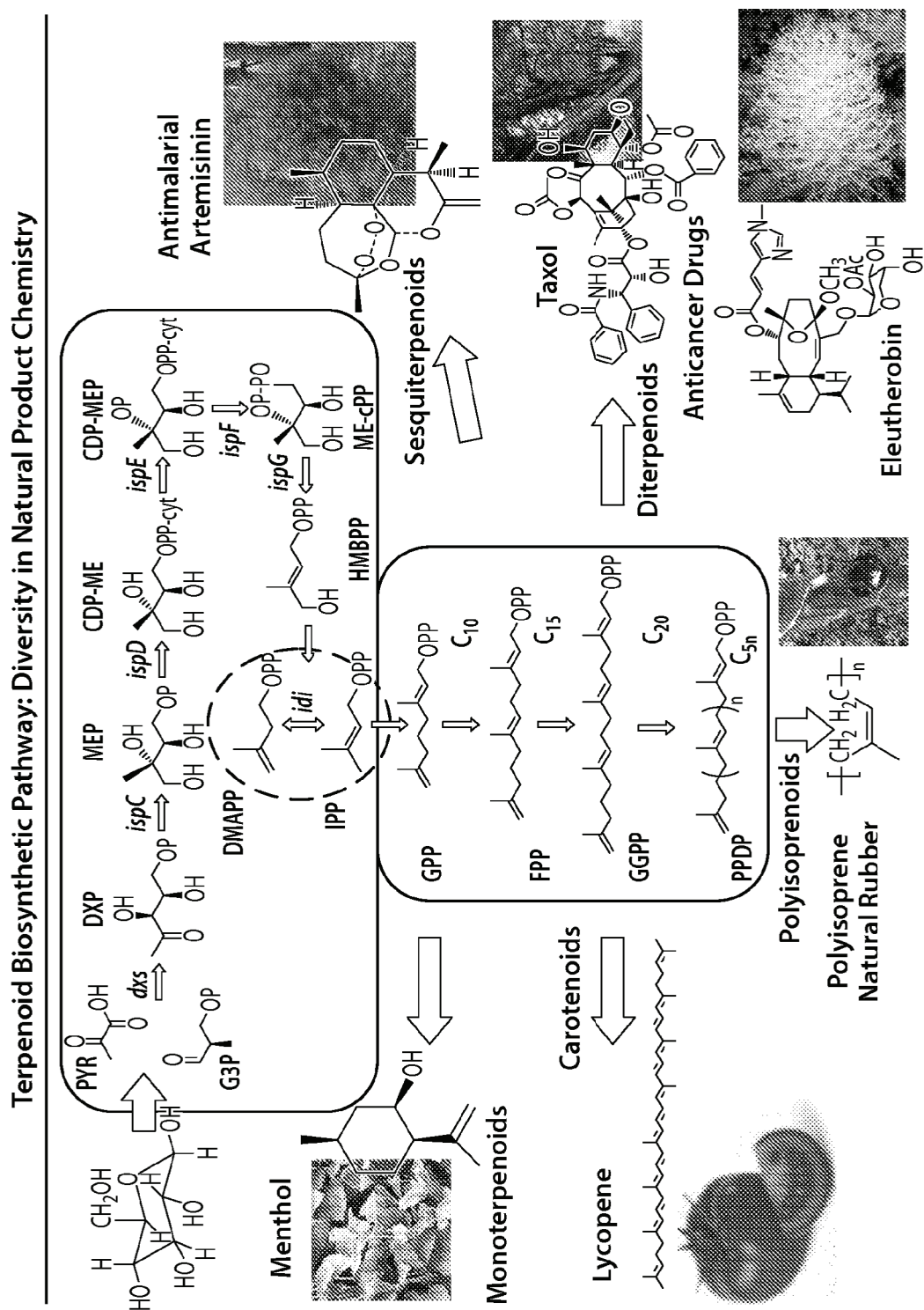


Fig. 10

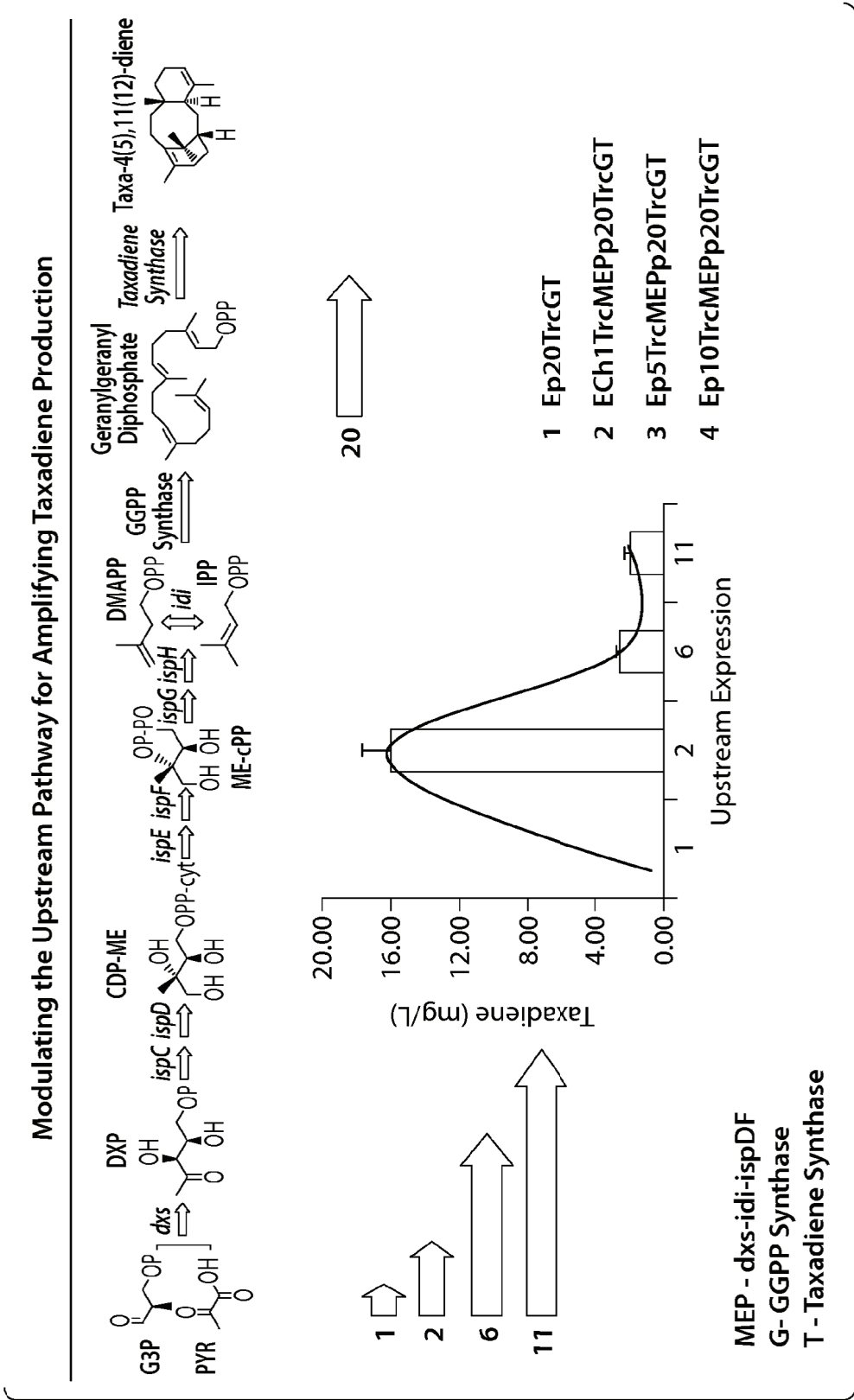


Fig. 11

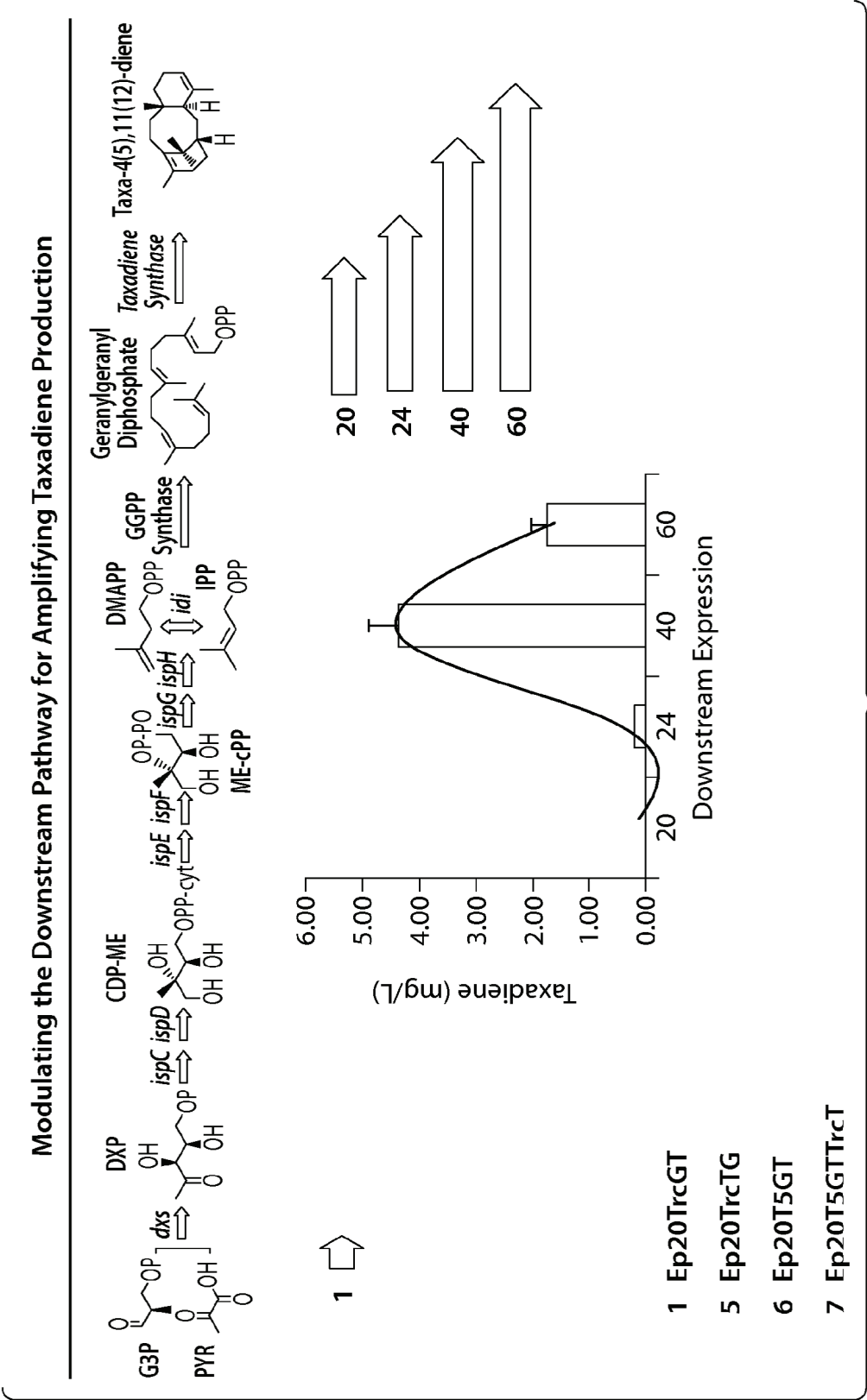


Fig. 12

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The Newly Identified Pathway Diversion is not the Characteristic of Downstream Synthetic Pathway

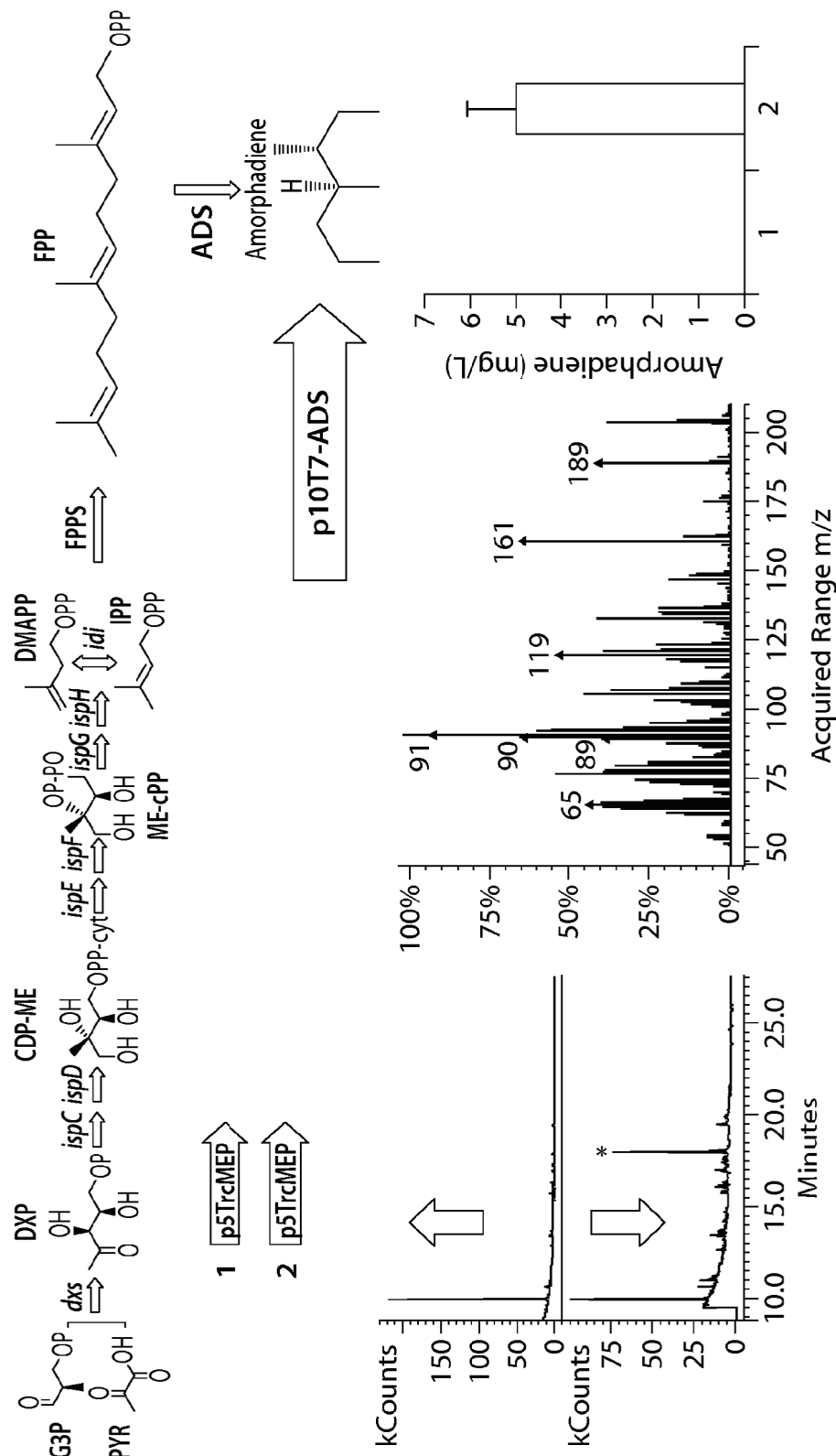


Fig. 13

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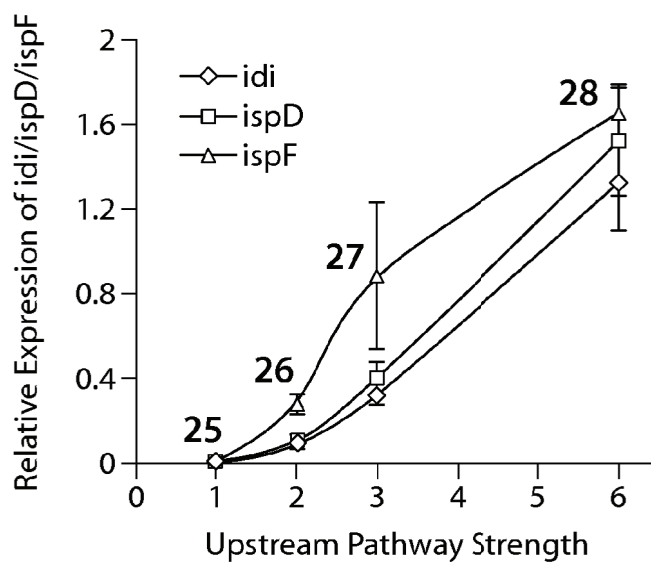


Fig. 14a

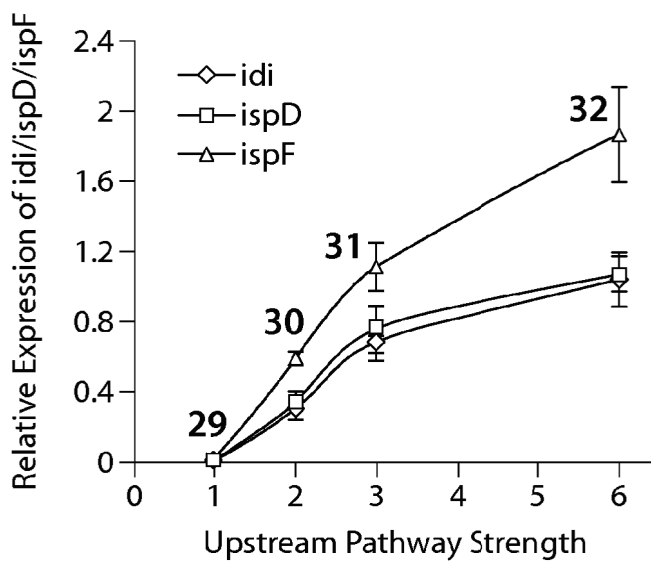


Fig. 14b

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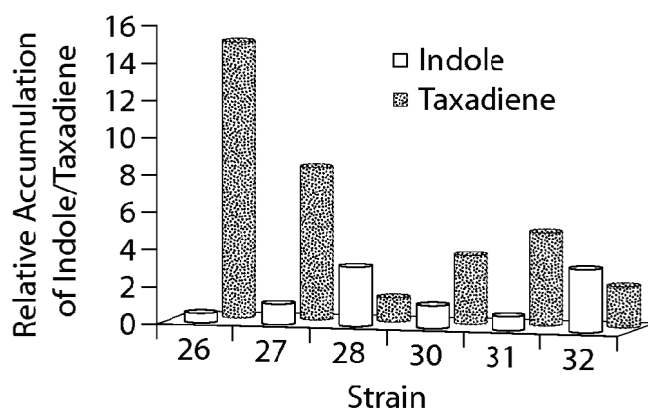


Fig. 15a

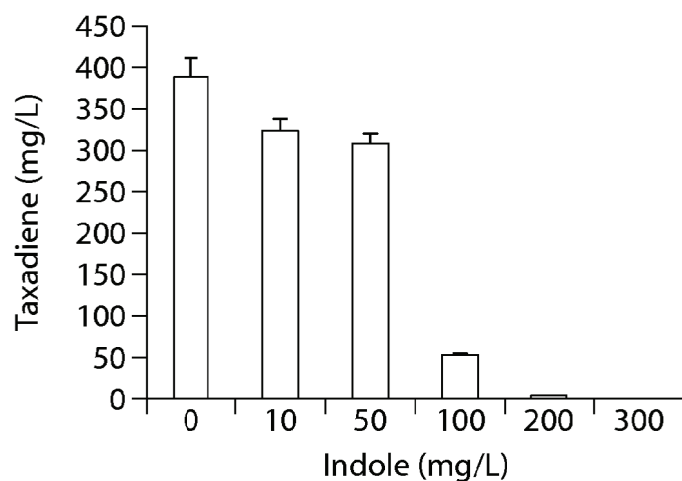


Fig. 15b

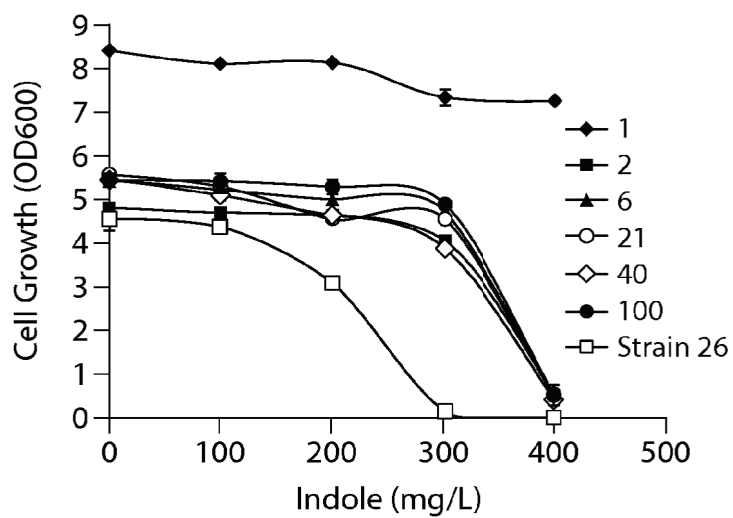


Fig. 15c

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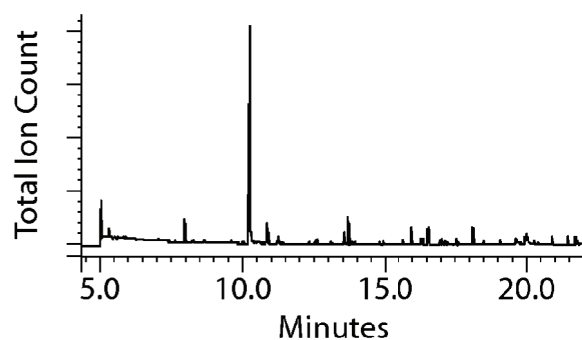


Fig. 16A

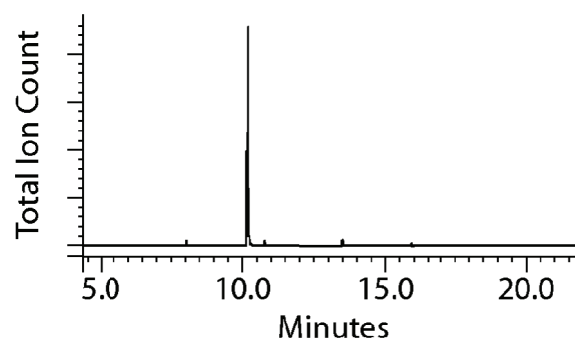


Fig. 16B

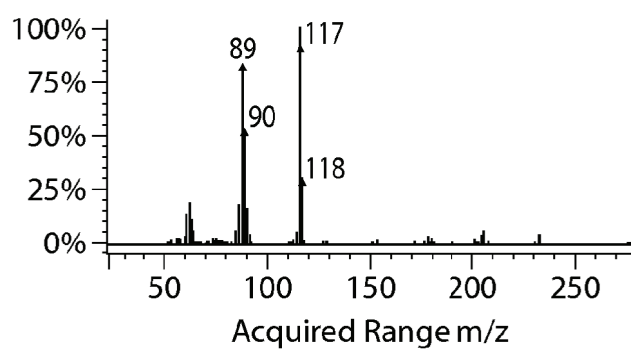


Fig. 16a

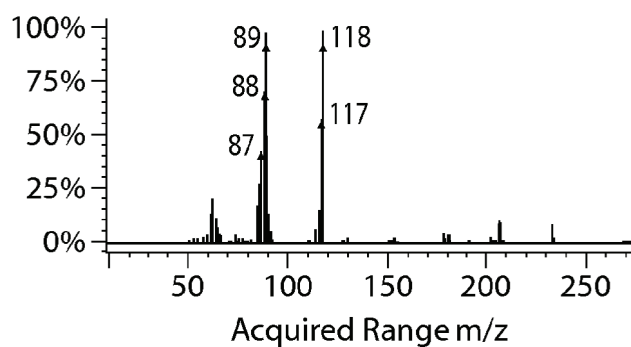


Fig. 16b

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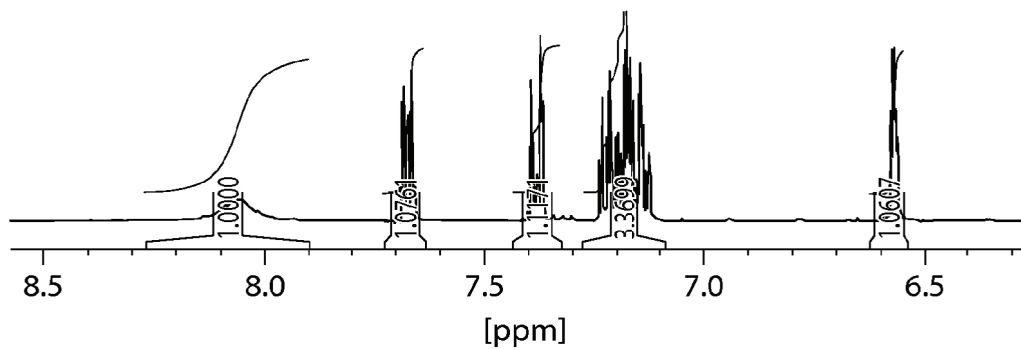


Fig. 16c

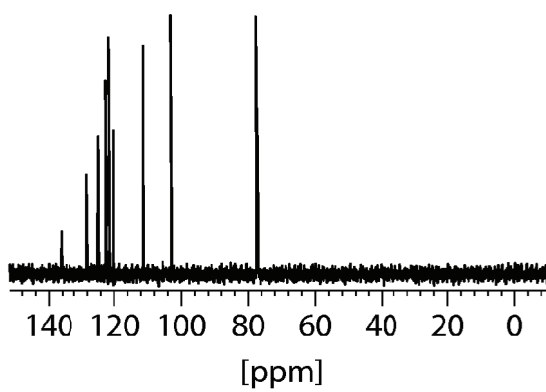


Fig. 16d

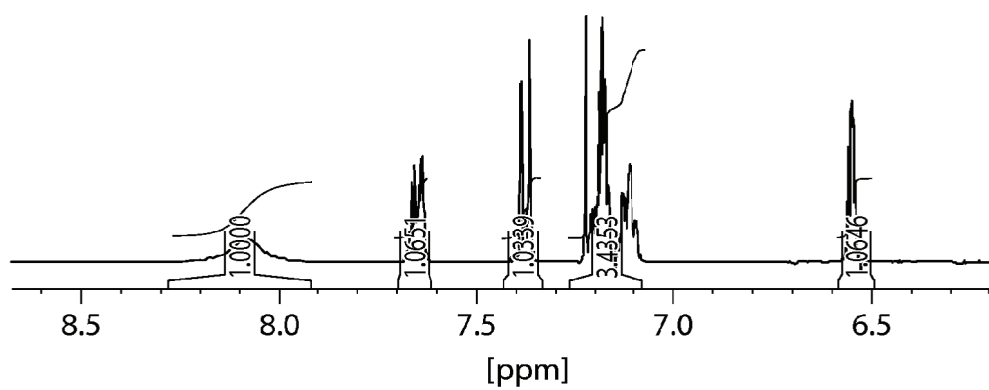


Fig. 16e

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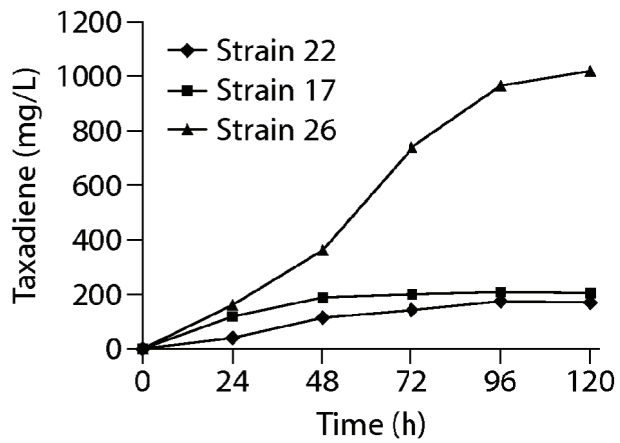


Fig. 17a

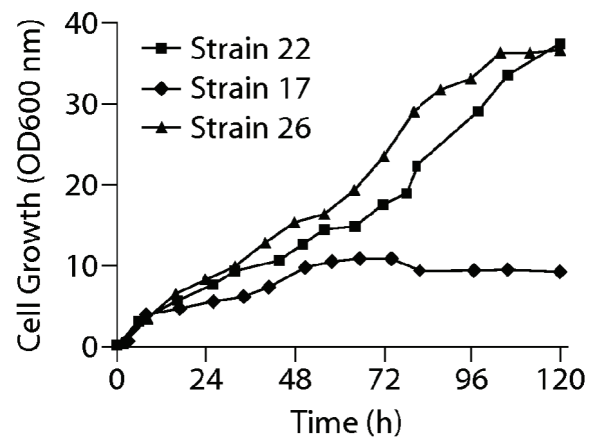


Fig. 17b

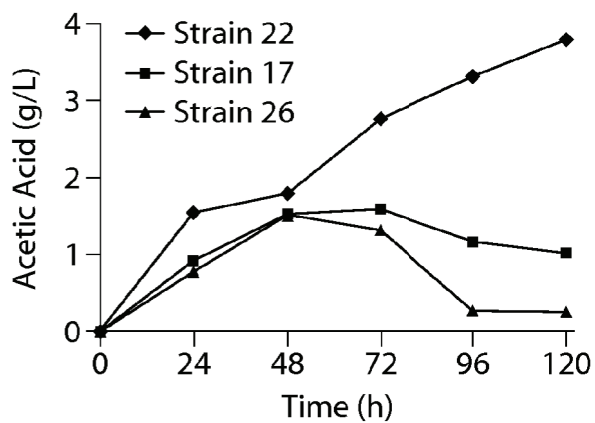


Fig. 17c

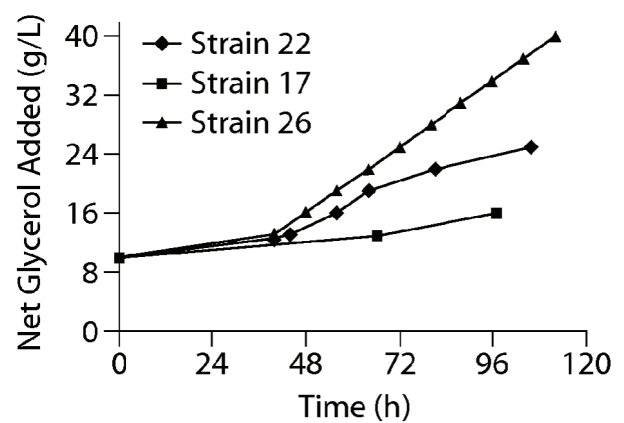


Fig. 17d