# **Supporting Information**

## Discovery of Novel Compounds for Combating Rising Severity of Plant Diseases Caused

### by Fungi and Viruses

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Figure S1. The structure of compound 6a



Figure S2. <sup>1</sup>H NMR spectra of compound **6a** 



Figure S3. <sup>13</sup>C NMR spectra of compound **6a** 



Figure S4. HMRS spectra of compound 6a



Figure S5. The structure of compound 6b



Figure S6. <sup>1</sup>H NMR spectra of compound **6b** 



Figure S7. <sup>13</sup>C NMR spectra of compound **6b** 



Figure S8. HMRS spectra of compound 6b



Figure S9. The structure of compound 6c



Figure S10. <sup>1</sup>H NMR spectra of compound 6c



Figure S11. <sup>13</sup>C NMR spectra of compound **6c** 







Figure S13. The structure of compound 6d





Figure S15. <sup>13</sup>C NMR spectra of compound **6d** 



Figure S16. HMRS spectra of compound 6d







Figure S19. <sup>13</sup>C NMR spectra of compound 6e



Figure S20. HMRS spectra of compound 6e



Figure S21. The structure of compound 6f







Figure S24. HMRS spectra of compound 6f



Figure S25. The structure of compound 6g



Figure S26. <sup>1</sup>H NMR spectra of compound 6g



Figure S27. <sup>13</sup>C NMR spectra of compound **6g** 



Figure S28. HMRS spectra of compound 6g



Figure S29. The structure of compound 6h



Figure S30. <sup>1</sup>H NMR spectra of compound **6h** 



Figure S31. <sup>13</sup>C NMR spectra of compound **6h** 



Figure S32. HMRS spectra of compound 6h



Figure S33. The structure of compound 6i



Figure S35. <sup>13</sup>C NMR spectra of compound **6i** 



Figure S36. HMRS spectra of compound 6i



Figure S37. The structure of compound 6j



Figure S38. <sup>1</sup>H NMR spectra of compound 6j



Figure S39. <sup>13</sup>C NMR spectra of compound **6**j











Figure S44.HMRS spectra of compound 6k



Figure S45.The structure of compound 61



Figure S46.<sup>1</sup>H NMR spectra of compound 61



Figure S47. <sup>13</sup>C NMR spectra of compound **6**l







Figure S49. The structure of compound 6m



Figure S50. <sup>1</sup>H NMR spectra of compound 6m



Figure S51. <sup>13</sup>C NMR spectra of compound 6m



Figure S52. HMRS spectra of compound 6m











Figure S56. HMRS spectra of compound 6n



Figure S57. The structure of compound 60



Figure S58. <sup>1</sup>H NMR spectra of compound **60** 



Figure S59. <sup>13</sup>C NMR spectra of compound **60** 



Figure S60. HMRS spectra of compound 60







Figure S63. <sup>13</sup>C NMR spectra of compound **6p** 



Figure S64. HMRS spectra of compound 6p



#### Figure S65. The structure of compound 6q



Figure S67. <sup>13</sup>C NMR spectra of compound **6q** 

![](_page_34_Figure_0.jpeg)

Figure S68. HMRS spectra of compound 6q

![](_page_35_Figure_0.jpeg)

Figure S69. The structure of compound 6r

![](_page_35_Figure_2.jpeg)

Figure S70. <sup>1</sup>H NMR spectra of compound 6r

![](_page_35_Figure_4.jpeg)

Figure S71. <sup>13</sup>C NMR spectra of compound **6r** 

![](_page_36_Figure_0.jpeg)

Figure S72. HMRS spectra of compound 6r

![](_page_37_Figure_0.jpeg)

![](_page_37_Figure_1.jpeg)

![](_page_37_Figure_2.jpeg)

![](_page_37_Figure_3.jpeg)

![](_page_38_Figure_0.jpeg)

![](_page_38_Figure_1.jpeg)

![](_page_39_Figure_0.jpeg)

Figure S77. The structure of compound 6t

![](_page_39_Figure_2.jpeg)

Figure S78. <sup>1</sup>H NMR spectra of compound 6t

![](_page_39_Figure_4.jpeg)

Figure S79. <sup>13</sup>C NMR spectra of compound 6t

![](_page_40_Figure_0.jpeg)

Figure S80. HMRS spectra of compound 6t

![](_page_41_Figure_0.jpeg)

Figure S81. The structure of compound 6u

![](_page_41_Figure_2.jpeg)

Figure S82. <sup>1</sup>H NMR spectra of compound **6u** 

![](_page_41_Figure_4.jpeg)

Figure S83. <sup>13</sup>C NMR spectra of compound **6u** 

![](_page_42_Figure_0.jpeg)

Figure S84. HMRS spectra of compound 6u

![](_page_43_Figure_0.jpeg)

Figure S87. <sup>13</sup>C NMR spectra of compound 6v

![](_page_44_Figure_0.jpeg)

Figure S88. HMRS spectra of compound 6v

![](_page_45_Figure_0.jpeg)

Figure S89. The structure of compound 6w

![](_page_45_Figure_2.jpeg)

Figure S90. <sup>1</sup>H NMR spectra of compound 6w

![](_page_45_Figure_4.jpeg)

Figure S91. <sup>13</sup>C NMR spectra of compound **6w** 

![](_page_46_Figure_0.jpeg)

Figure S92. HMRS spectra of compound 6w

![](_page_47_Figure_0.jpeg)

Figure S93. The structure of compound 6x

![](_page_47_Figure_2.jpeg)

![](_page_47_Figure_3.jpeg)

![](_page_47_Figure_4.jpeg)

Figure S95. <sup>13</sup>C NMR spectra of compound 6x

![](_page_48_Figure_0.jpeg)

Figure S96. HMRS spectra of compound 6x

![](_page_49_Figure_0.jpeg)

Figure S99. <sup>13</sup>C NMR spectra of compound **6y** 

![](_page_50_Figure_0.jpeg)

Figure S100. HMRS spectra of compound 6y