Table S1. The UHPLC-MS/MS identification and quantification data of phenolic acids (PAs) and flavonoids in the alcoholic extract of *Gleditsia triacanthos*

| Compound Name       | Exact Mass[^a] [M-H]− | Accurate Mass [M-H]− | Mass Fragments (Intensity, %) | Collision Energy (eV) | Concentration (µg/L) |
|---------------------|------------------------|-----------------------|-----------------------------|-----------------------|---------------------|
| Phenolic Acids (PA) |                        |                       |                             |                       |                     |
| 4-hydroxy benzoic acid | 137.0243               | 137.0232              | 93.0331                      | 30                    | 570.37              |
| vanillic acid       | 167.0349               | 167.0343              | 152.0105, 124.0154, 111.0075, 139.0025, 95.0125 | 60                    | 773.88              |
| syringic acid       | 197.0455               | 197.0450              | 182.0212, 166.9976, 153.0547, 138.0311, 123.0075 | 30                    | 163.71              |
| protocatechuic acid | 153.0188               | 153.0183              | 109.0281                      | 35                    | 235.61              |
| gallic acid         | 169.0142               | 169.0133              | 125.0231                      | 35                    | 86.28               |
| p-coumaric acid     | 163.0400               | 163.0392              | 119.0489                      | 35                    | 192.96              |
| ferulic acid        | 193.0506               | 193.0500              | 178.0262, 134.0361            | 30                    | 319.81              |
| caffeic acid        | 179.0349               | 179.0342              | 135.044                       | 30                    | 153.97              |
|                     |                        |                       |                              |                       |                     |
| Flavonoids          |                        |                       |                              |                       |                     |
| catechin            | 289.0717               | 289.0719              | 109.0282, 125.0232, 203.0708, 245.0817 | 35                    | 34,271.15          |
| epicatechin         | 289.0717               | 289.0719              | 137.0232, 151.0390, 213.0551, 151.0026, 107.0125 | 1,431.47              |
| pinocembrin         | 255.0662               | 255.0663              | 213.0551, 151.0026, 107.0125  | 40                    | 11.34               |
| pinostrobin         | 269.0819               | 269.0822              | 179.0554                      | 45                    | 602.94              |
| crysin              | 253.0506               | 253.0506              | 143.0491, 145.0284, 107.0125, 209.0603, 63.0226, 65.0019 | 60                    | 21.52               |
| apigenin            | 269.0455               | 269.0457              | 117.0333, 151.0027, 107.0126  | 60                    | 676.17              |
| quercetin           | 301.0353               | 301.0356              | 151.0226, 178.9977, 121.0282, 107.0125 | 35                    | 3,007.89           |
| isorhamnetin        | 315.0509               | 315.0512              | 300.0276                      | 45                    | 228.61              |
| kaempferol          | 285.0404               | 285.0406              | 285.0405                      | 45                    | N.d.                |
| myricetin           | 317.0302               | 317.0306              | 289.0720, 179.0342            | 30                    | 1,259.97           |
| galangin            | 269.0455               | 269.0458              | 169.0650, 143.0491            | 80                    | 2.51                |
| rutin               | 609.1460               | 609.1469              | 420.1880, 187.0969            | 30                    | 1,302.31           |
| hesperidin          | 609.1824               | 609.1823              | 301.0171                      | 30                    | 13.07               |
| naringin            | 579.1718               | 579.1720              | 271.0612, 459.1133, 151.0026  | 30                    | 168.63              |

[^a]: Calculated mass of the parent ion using free chemical database, ChemSpider; n.d.-not detected.