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| **Table S2. Damage index (DI) of soybean seedlings treated by different concentrations of BABA (n=20)** |
| Concentration | Repeat | Mean | SE |
| 0 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1.50 | 0.11 |
| 10mM | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1.50 | 0.11 |
| 25mM | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1.65 | 0.11 |
| 50mM | 3 | 3 | 4 | 3 | 2 | 4 | 4 | 3 | 2 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3.35 | 0.15 |
| 75mM | 4 | 4 | 5 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 5 | 4 | 4 | 3 | 5 | 4 | 5 | 4 | 4.05 | 0.14 |
| 100mM | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 3 | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 4.65 | 0.13 |

DI scale was as follows: 1, healthy with no symptoms; 2, primary leaves yellowing with less than 50% proportion and the first trifoliolate leaf was normal; 3, primary leaves yellowing with more than 50% proportion and the size of first trifoliolate leaves was smaller; 4, primary leaves drying and the size of first trifoliolate leaves was smaller; 5, both of primary leaves and the first trifoliolate leaves drying.