**Supplementary Information for:**

**Non-target-site mechanisms of cross-resistance evolution to florpyrauxifen-benzyl in 2,4-D-resistant Palmer amaranth** **(*Amaranthus palmeri* S. Wats.)**

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**Table S1.** Gradient conditions of HPLC mobile phases

|  |  |
| --- | --- |
| Time elapsed(min) | Mobile phase ratio (%) |
| Acetonitrile | 0.1% Phosphoric acid |
| 0 | 30 | 70 |
| 6 | 30 | 70 |
| 8 | 70 | 30 |
| 12 | 70 | 30 |
| 15 | 100 | 0 |
| 20 | 100 | 0 |
| 21 | 30 | 70 |
| 26 | 30 | 70 |



**Figure S1**. HPCL-RAD analysis chromatograms for 0.01 μCi mixture of [14C]-florpyrauxifen-benzyl, -acid, and hydroxy acid and for samples of susceptible (S) and R2 *A. palmeri* populations collected 6 h after treatment (HAT) of [14C]-florpyrauxifen-benzyl.