

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Cell type-specific marker genes in the firebug *Pyrrhocoris apterus*.

File Name: Supplementary Data 2

Description: Differentially expressed genes targeted by transcription factors in each cell types.

File Name: Supplementary Data 3

Description: Marker genes of EC0-EC3 in the firebug *Pyrrhocoris apterus*.

File Name: Supplementary Data 4

Description: RNAi-mediated knockdown of marker genes in the firebug *Pyrrhocoris apterus*.

File Name: Supplementary Data 5

Description: Cell type-specific marker genes in the planthopper *Nilaparvata lugens*.

File Name: Supplementary Data 6

Description: Consistent correlation of top 50 genes that are enriched in each cell type between *Pyrrhocoris apterus* and *Nilaparvata lugens*.

File Name: Supplementary Data 7

Description: Primers and nucleic acid probes used in this study.