

## SUUPLEMENTARY MATERIAL

# Evolutionary aspects of hypericin productivity and endogenous phytohormone pools evidenced in *Hypericum* species *in vitro* culture model

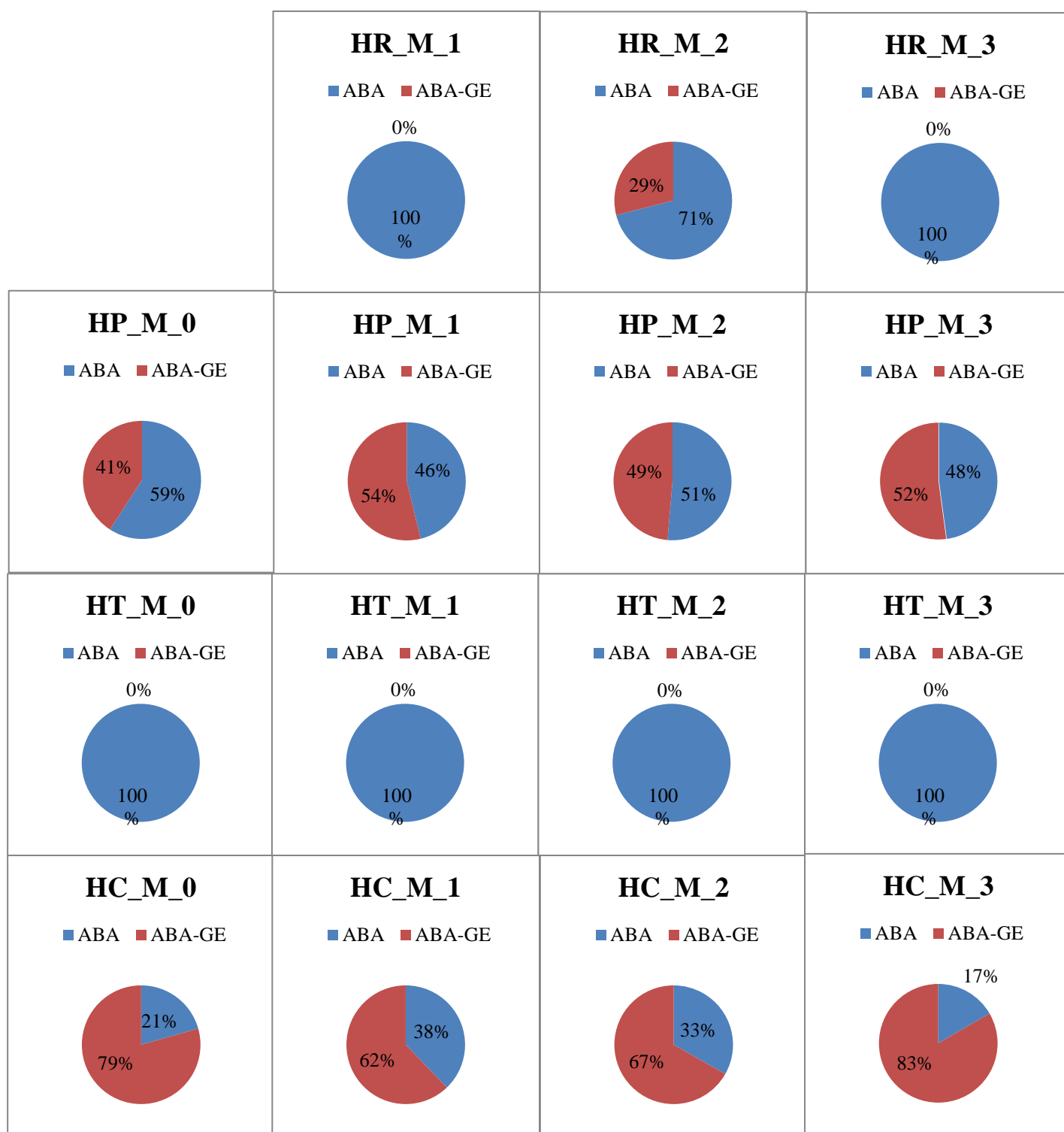
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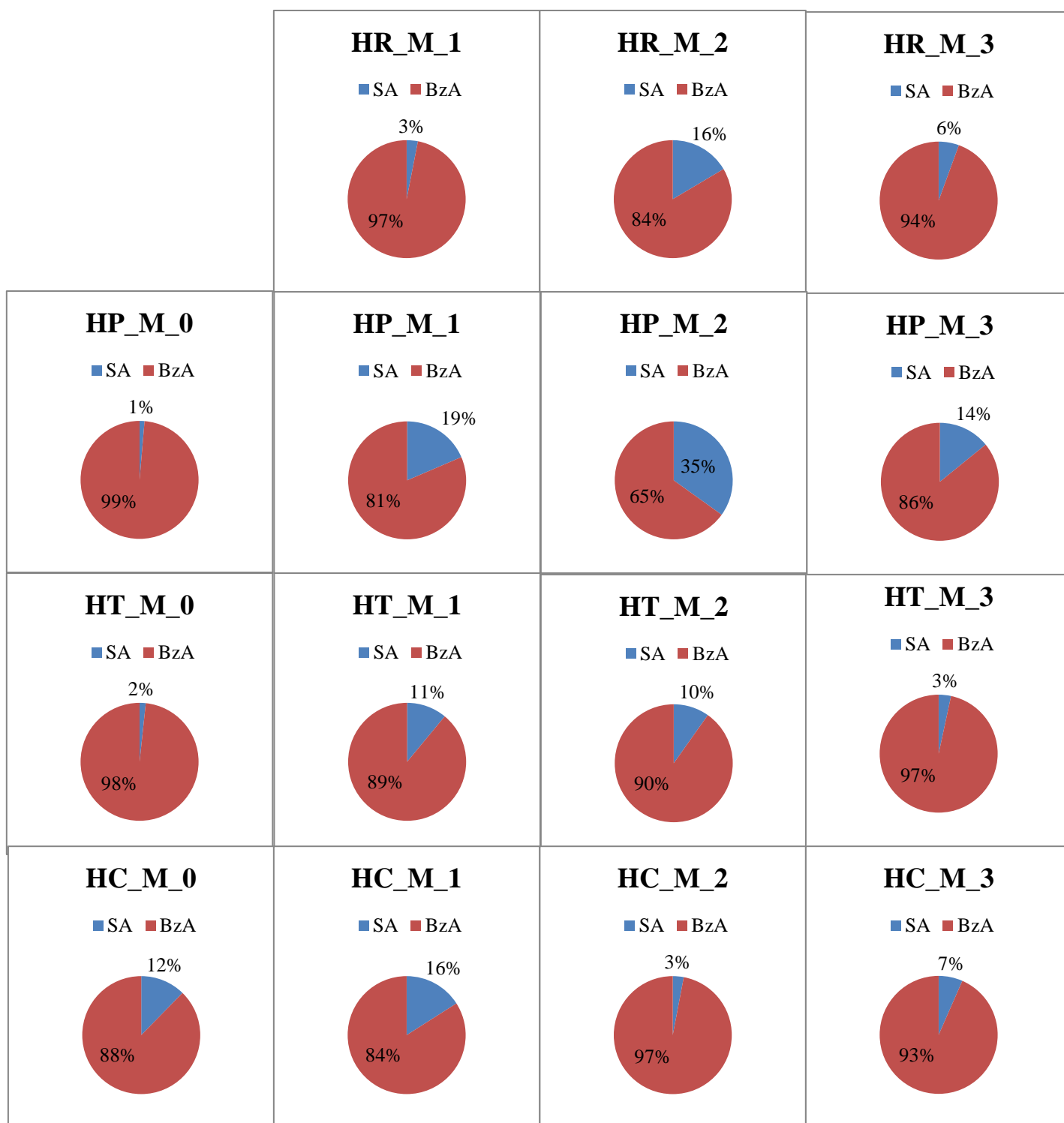
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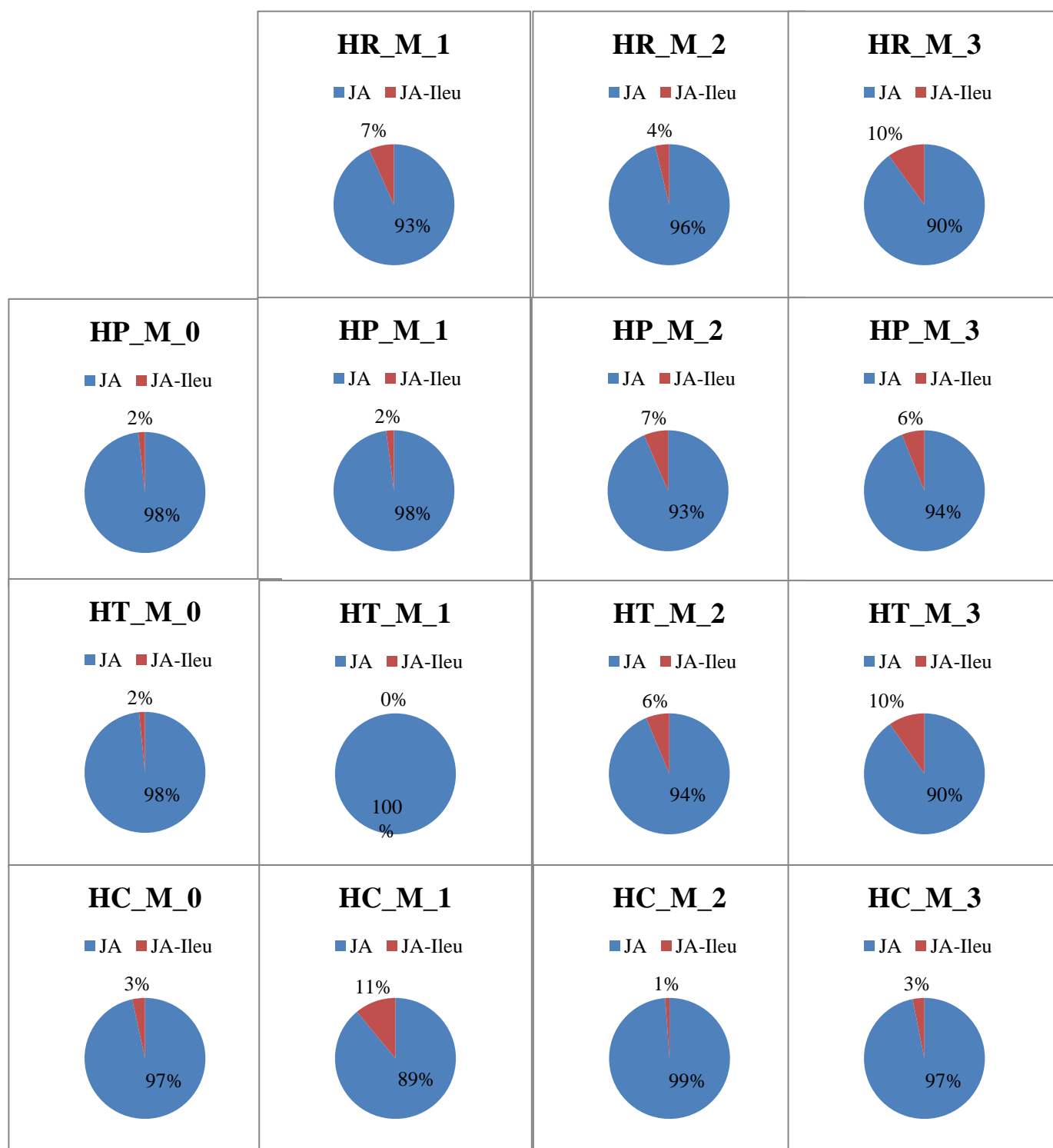
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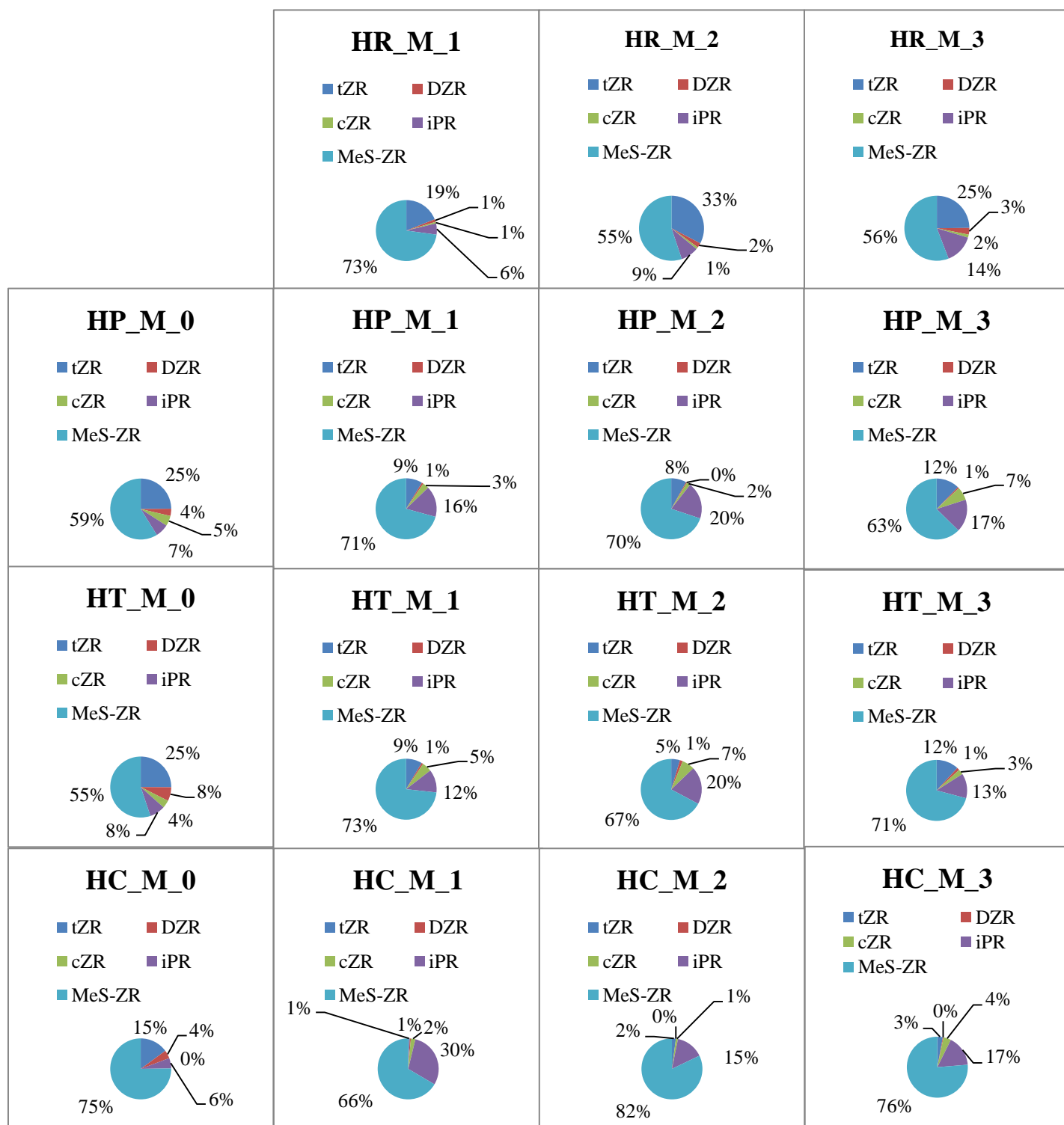
**Figure S1.** Proportional representation of abscisic acid (ABA) and its storage conjugate ABA-glucose ester (ABA-GE) in the four *Hypericum* species in M\_0 - PGR-free, M\_1 - 0.2 mg/l BA, M\_2 - 0.2 mg/l BA + 0.1 mg/l IBA and M\_3 - 0.1 mg/l BA + 0.2 mg/l IBA supplemented media, *HR* – *H. richeri* Vill., *HP* – *H. perforatum* L., *HT* – *H. tetrapterum* Fries. and *HC* – *H. calycinum*.



**Figure S2.** Proportional representation of salicylic (SA) and benzoic (BA) acids in the four *Hypericum* species in M\_0 - PGR-free, M\_1 - 0.2 mg/l BA, M\_2 - 0.2 mg/l BA + 0.1 mg/l IBA and M\_3 - 0.1 mg/l BA + 0.2 mg/l IBA supplemented media, *HR* – *H. richeri* Vill., *HP* – *H. perforatum* L., *HT* – *H. tetrapterum* Fries. and *HC* – *H. calycinum*.



**Figure S3.** Proportional representation of jasmonic acid (JA) and its bioactive conjugate JA-isoleucine (Ja-Ileu) in the four *Hypericum* species in M\_0 - PGR-free, M\_1 - 0.2 mg/l BA, M\_2 - 0.2 mg/l BA + 0.1 mg/l IBA and M\_3 - 0.1 mg/l BA + 0.2 mg/l IBA supplemented media, HR – *H. richeri* Vill., HP – *H. perforatum* L., HT – *H. tetrapterum* Fries. and HC – *H. calycinum*.



**Figure S4.** Proportional representation of cytokinin ribosides in the four *Hypericum* species in M\_0 - PGR-free, M\_1 - 0.2 mg/l BA, M\_2 - 0.2 mg/l BA + 0.1 mg/l IBA and M\_3 - 0.1 mg/l BA + 0.2 mg/l IBA supplemented media, HR – *H. richeri* Vill., HP – *H. perforatum* L., HT – *H. tetrapterum* Fries. and HC – *H. calycinum*.