

Black walnut(*Juglans nigra*L.) is one of the most economically precious hardwood species and a high value tree for comestible nut product in the United States.The metabolomics approach provides a simple and cost-effective tool for bioactive emulsion identification.In this study, the kernels of twenty- two black walnut cultivars named for nut product by the University of Missouri Center for Agroforestry(Columbia, MO, USA) were estimated for their antibacterial conditioning using agar- well prolixity assay.Although consumption of black walnut has been linked to multiple health- promoting goods(e.g., antioxidant, .antimicrobial,anti-inflammatory), the bioactive composites haven't been totally characterized