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Application of next generation semiconductor based sequencing to detect the botanical composition of monofloral, polyfloral and honeydew honey

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Application of next generation semiconductor based sequencing to detect the botanical 1 composition of monofloral, polyfloral and honeydew honey 2 3 Valerio Joe Utzeri^a, Anisa Ribani^a, Giuseppina Schiavo^a, Francesca Bertolini^{a,b}, Samuele Bovo^{a,c}, 4 Luca Fontanesi^{a,*} 5 6 ^a Department of Agricultural and Food Sciences (DISTAL), University of Bologna, Viale Fanin 46, 7 8 40127 Bologna, Italy ^b Department of Animal Science, Iowa State University, 2255 Kildee Hall, 50011 Ames, Iowa, 9 USA 10 ^c Biocomputing Group, Department of Biological, Geological, and Environmental Sciences 11 (BiGeA), University of Bologna, Via San Giacomo 9/2, 40126 Bologna, Italy 12 13 * Corresponding author: Tel: +39 051 2096535 14

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