

Table S2. Inhibition of 43 presumptive LAB isolated from different honeys against two filamentous fungi (i.e. *A. niger* CECT 2805 and *B. cinerea* CECT 20973) and three foodborne pathogenic bacteria (i.e. *E. coli* O157:H7 UFG77, *S. aureus* UFG141 and *L. monocytogenes* CECT4031) determined by the overlay assay. Isolates were classified as no (-), mild (+), or strong (++) antagonistic strains based on the size of the zone of inhibition (ZOI) around the spots. (-) halo < 1 mm; (+) 1 mm < halo <5 mm; (++) halo > 5 mm. Strains with the highest and broadest spectrum of antimicrobial activity are in bold.

Strain	Honey	<i>A. niger</i>	<i>B. cinerea</i>	<i>E. coli</i>	<i>S. aureus</i>	<i>L. monocytogenes</i>
CNP1	Coriander	-	+	++	-	+
CNP2	Coriander	-	++	-	-	++
CNP3	Coriander	-	+	+	+	-
CNP4	Coriander	++	++	++	+	++
CNP5	Coriander	+	+	+	-	+
CNP6	Coriander	+	++	+	+	+
CNP7	Coriander	+	++	++	++	+
CNP8	Coriander	-	+	+	+	+
CNP9	Coriander	+	++	+	-	-
CNP10	Coriander	-	++	+	-	+
CNP11	Coriander	-	-	-	-	-
CNP12	Coriander	+	++	++	+	++
CNP13	Coriander	-	+	+	-	-
CNP14	Coriander	-	-	+	-	+
CNP15	Coriander	+	-	++	+	+
CNP16	Coriander	-	++	+	-	-
CNP17	Coriander	-	-	+	+	-
CNP18	Coriander	-	+	++	-	+
MEP1	Wildflower	+	+	+	+	+
MEP2	Wildflower	+	+	+	-	-
MEP3	Wildflower	++	++	+	++	++
MEP4	Wildflower	-	-	++	+	+
MEP5	Wildflower	+	-	++	+	+
MEP6	Wildflower	-	+	-	-	+
MEP7	Wildflower	+	+	+	-	-
MEP8	Wildflower	+	++	++	++	+
MEP9	Wildflower	-	+	+	-	-
MEP10	Wildflower	+	++	++	+	+
MEP11	Wildflower	+	+	-	-	-
MEP12	Wildflower	-	+	+	-	+
MEP13	Wildflower	-	-	++	-	+
MEP14	Wildflower	+	-	+	-	-

MEP15	Wildflower	+	+	+	+	+
MEP16	Wildflower	-	+	+	+	+
MEP17	Wildflower	+	+	+	-	+
MEP18	Wildflower	-	+	+	-	-
AREP1	Orange	+	++	-	+	++
AREP2	Orange	+	+	+	+	++
AREP3	Orange	-	+	++	-	+
AREP4	Orange	+	-	+	+	++
AREP5	Orange	+	+	+	-	-
AREP6	Orange	+	++	+	+	++
AREP7	Orange	+	+	++	-	-
