

## Supplementary Materials

**Table S1. NCBI GenBank database accession numbers and the level of the antimicrobial activity of the species**

| Strains                             | GenBank accession number(s) | Antimicrobial activity (mm)* |
|-------------------------------------|-----------------------------|------------------------------|
| <i>Enterococcus faecalis</i> 12     | MK333638-39                 | +                            |
| <i>Enterococcus faecalis</i> 124    | MK333640-41                 | +                            |
| <i>Enterococcus faecalis</i> 95     | MK333642-43                 | +                            |
| <i>Enterococcus faecalis</i> OZB103 | MK333644-45                 | +                            |
| <i>Enterococcus faecalis</i> OZB60  | MK333646-47                 | +                            |
| <i>Enterococcus faecalis</i> OZC13  | MK333648-49                 | +++                          |
| <i>Enterococcus faecalis</i> OZC20  | MK333650-51                 | ++                           |
| <i>Enterococcus faecalis</i> OZC71  | MK333652-53                 | +                            |
| <i>Enterococcus faecalis</i> OZD115 | MK333654-55                 | ++                           |
| <i>Enterococcus faecalis</i> OZD119 | MK333656-57                 | +                            |
| <i>Enterococcus faecalis</i> PMA69  | MK333658-59                 | +                            |
| <i>Enterococcus faecalis</i> PMB56  | MK333660-61                 | ++                           |
| <i>Enterococcus faecalis</i> PMD116 | MK333662-63                 | +                            |
| <i>Enterococcus faecalis</i> PMD99  | MK333664-65                 | ++                           |
| <i>Enterococcus faecalis</i> PME110 | MK333666-67                 | ++                           |
| <i>Enterococcus faecalis</i> RKA88  | MK333668-69                 | +++                          |
| <i>Enterococcus faecalis</i> RKA89  | MK333670-71                 | ++                           |
| <i>Enterococcus faecalis</i> RKB17  | MK333672-73                 | +                            |
| <i>Enterococcus faecalis</i> RKB64  | MK307698-99                 | +                            |
| <i>Enterococcus faecalis</i> RKB81  | MK333674-75                 | ++                           |
| <i>Enterococcus faecalis</i> RKC71  | MK333676-77                 | ++                           |
| <i>Enterococcus faecalis</i> RKC84  | MK333678-79                 | +++                          |
| <i>Enterococcus faecalis</i> RKC91  | MK333680-81                 | +                            |
| <i>Enterococcus faecalis</i> RKC97  | MK333682-83                 | +                            |
| <i>Enterococcus faecalis</i> RKD122 | MK333684-85                 | +                            |
| <i>Enterococcus faecalis</i> RKD19  | MK333686-87                 | ++                           |
| <i>Enterococcus faecalis</i> RKD26  | MK333688-89                 | +                            |
| <i>Enterococcus faecalis</i> RKD62  | MK333690-91                 | ++                           |
| <i>Enterococcus faecalis</i> RKD90  | MK333692-93                 | +                            |
| <i>Enterococcus faecalis</i> RKD91  | MK333694-95                 | +                            |
| <i>Enterococcus faecalis</i> RKE113 | MK333696-97                 | +                            |
| <i>Enterococcus faecalis</i> RKE119 | MK333698-99                 | +++                          |
| <i>Enterococcus faecalis</i> RKE76  | MK333700-01                 | +++                          |
| <i>Enterococcus faecalis</i> RKE92  | MK333702-03                 | +                            |
| <i>Enterococcus faecium</i> OZA34   | MK333704-05                 | +                            |

**Table S1. NCBI GenBank database accession numbers and the level of the antimicrobial activity of the species (continued)**

| Strains                             | GenBank accession number(s) | Antimicrobial activity (mm)* |
|-------------------------------------|-----------------------------|------------------------------|
| <i>Enterococcus faecium</i> OZB10   | MK333706-07                 | +                            |
| <i>Enterococcus faecium</i> OZB25   | MK333708-09                 | +                            |
| <i>Enterococcus faecium</i> OZC108  | MK333710-11                 | +                            |
| <i>Enterococcus faecium</i> OZC30   | MK333712-13                 | +++                          |
| <i>Enterococcus faecium</i> OZC31   | MK333714-15                 | +++                          |
| <i>Enterococcus faecium</i> OZC32   | MK333716-17                 | +                            |
| <i>Enterococcus faecium</i> OZC4    | MK333718-19                 | +                            |
| <i>Enterococcus faecium</i> OZC42   | MK333720-21                 | +                            |
| <i>Enterococcus faecium</i> OZC81   | MK333722-23                 | ++                           |
| <i>Enterococcus faecium</i> OZC95   | MK333724-25                 | ++                           |
| <i>Enterococcus faecium</i> OZD10   | MK333726-27                 | +                            |
| <i>Enterococcus faecium</i> OZD101  | MK333728-29                 | +                            |
| <i>Enterococcus faecium</i> OZD103  | MK333730-31                 | +                            |
| <i>Enterococcus faecium</i> OZD125  | MK333732-33                 | +++                          |
| <i>Enterococcus faecium</i> OZD140  | MK333734-35                 | +++                          |
| <i>Enterococcus faecium</i> OZD46   | MK332144-45                 | +                            |
| <i>Enterococcus faecium</i> OZD59   | MK332146-47                 | +                            |
| <i>Enterococcus faecium</i> OZD82   | MK332148-49                 | ++                           |
| <i>Enterococcus faecium</i> OZDE108 | MK332150-51                 | +                            |
| <i>Enterococcus faecium</i> PMA72   | MK332152-53                 | +++                          |
| <i>Enterococcus faecium</i> PMB11   | MK332154-55                 | +                            |
| <i>Enterococcus faecium</i> PMB36   | MK332156-57                 | ++                           |
| <i>Enterococcus faecium</i> PMB37   | MK332158-59                 | +                            |
| <i>Enterococcus faecium</i> PMB45   | MK332160-61                 | +                            |
| <i>Enterococcus faecium</i> PMB49   | MK332162-63                 | ++                           |
| <i>Enterococcus faecium</i> PMB66   | MK332164-65                 | ++                           |
| <i>Enterococcus faecium</i> PMC11   | MK332166-67                 | +++                          |
| <i>Enterococcus faecium</i> PMC20   | MK332168-68                 | ++                           |
| <i>Enterococcus faecium</i> PMC22   | MK332170-71                 | +++                          |
| <i>Enterococcus faecium</i> PMC58   | MK332172-73                 | +                            |
| <i>Enterococcus faecium</i> PMC61   | MK332174-75                 | +                            |
| <i>Enterococcus faecium</i> PMC95   | MK332176-77                 | +++                          |
| <i>Enterococcus faecium</i> PMC96   | MK332178-79                 | +++                          |
| <i>Enterococcus faecium</i> PMC97   | MK332180-81                 | +++                          |
| <i>Enterococcus faecium</i> PMD100  | MK332182-83                 | ++                           |
| <i>Enterococcus faecium</i> PMD127  | MK332184-85                 | +                            |
| <i>Enterococcus faecium</i> PMD16   | MK332186-87                 | +                            |

**Table S1. NCBI GenBank database accession numbers and the level of the antimicrobial activity of the species (continued)**

| Strains                               | GenBank accession number(s) | Antimicrobial activity (mm)* |
|---------------------------------------|-----------------------------|------------------------------|
| <i>Enterococcus faecium</i> PMD105    | MK332188-89                 | +                            |
| <i>Enterococcus faecium</i> PMD25     | MK332190-91                 | +                            |
| <i>Enterococcus faecium</i> PMD26     | MK332192-93                 | +                            |
| <i>Enterococcus faecium</i> PMD31     | MK332194-95                 | +++                          |
| <i>Enterococcus faecium</i> RKA14     | MK332196-97                 | +                            |
| <i>Enterococcus faecium</i> RKA35     | MK332198-99                 | ++                           |
| <i>Enterococcus faecium</i> RKA41     | MK332200-01                 | +                            |
| <i>Enterococcus faecium</i> RKB24     | MK332202-03                 | ++                           |
| <i>Enterococcus faecium</i> RKB40     | MK332204-05                 | +                            |
| <i>Enterococcus faecium</i> RKB45     | MK332206-07                 | +                            |
| <i>Enterococcus faecium</i> RKB79     | MK332208-09                 | ++                           |
| <i>Enterococcus faecium</i> RKB83     | MK332210-11                 | +                            |
| <i>Enterococcus faecium</i> RKB90     | MK332212-13                 | +                            |
| <i>Enterococcus faecium</i> RKC22     | MK332214-15                 | ++                           |
| <i>Enterococcus faecium</i> RKC57     | MK332216-17                 | +                            |
| <i>Enterococcus faecium</i> RKD141    | MK332218-19                 | +                            |
| <i>Enterococcus faecium</i> RKD23     | MK332220-21                 | +                            |
| <i>Enterococcus faecium</i> RKD48     | MK332222-23                 | +                            |
| <i>Enterococcus faecium</i> RKE114    | MK332224-25                 | ++                           |
| <i>Enterococcus faecium</i> RKE118    | MK332226-27                 | +                            |
| <i>Enterococcus faecium</i> RKE51     | MK332228-29                 | +                            |
| <i>Enterococcus faecium</i> RKE66     | MK332230-31                 | +                            |
| <i>Enterococcus lactis</i> OZB28      | MK332232-33                 | +                            |
| <i>Enterococcus lactis</i> OZC52      | MK332234-35                 | +                            |
| <i>Enterococcus lactis</i> PMD74      | MK318965-66                 | +++                          |
| <i>Enterococcus lactis</i> PMA84      | MK332236-37                 | ++                           |
| <i>Enterococcus lactis</i> RKC117     | MK332238-39                 | +                            |
| <i>Lactobacillus helveticus</i> PMB74 | MK332026-27                 | ++                           |
| <i>Lactobacillus paracasei</i> OZA    | MK332028-29                 | +                            |
| <i>Lactobacillus paracasei</i> OZA46  | MK332030-31                 | +                            |
| <i>Lactobacillus paracasei</i> OZD83  | MK332032-33                 | ++                           |
| <i>Lactobacillus paracasei</i> PMA73  | MK332034-35                 | ++                           |
| <i>Lactobacillus paracasei</i> PMB24  | MK332036-37                 | +                            |
| <i>Lactobacillus paracasei</i> PMC21  | MK332038-39                 | +++                          |
| <i>Lactobacillus paracasei</i> PMC71  | MK332042-43                 | +                            |
| <i>Lactobacillus paracasei</i> RKB22  | MK332044-45                 | +++                          |
| <i>Lactobacillus paracasei</i> RKB28  | MK332046-47                 | +                            |

**Table S1. NCBI GenBank database accession numbers and the level of the antimicrobial activity of the species (continued)**

| Strains                               | GenBank accession number(s) | Antimicrobial activity (mm)* |
|---------------------------------------|-----------------------------|------------------------------|
| <i>Lactobacillus paracasei</i> RKB34  | MK332048-49                 | ++                           |
| <i>Lactobacillus paracasei</i> RKB79  | MK332050-51                 | ++                           |
| <i>Lactobacillus paracasei</i> RKB81  | MK332052-53                 | ++                           |
| <i>Lactobacillus paracasei</i> RKC102 | MK332054-55                 | +                            |
| <i>Lactobacillus paracasei</i> RKC34  | MK332056-57                 | ++                           |
| <i>Lactobacillus paracasei</i> RKC69  | MK332058-59                 | ++                           |
| <i>Lactobacillus paracasei</i> RKC76  | MK332060-61                 | ++                           |
| <i>Lactobacillus paracasei</i> RKC80  | MK332062-63                 | +++                          |
| <i>Lactobacillus paracasei</i> RKE58  | MK332064-65                 | +                            |
| <i>Lactobacillus paracasei</i> RKE78  | MK332066-67                 | ++                           |
| <i>Lactobacillus plantarum</i> OZA42  | MK332068-69                 | +                            |
| <i>Lactobacillus plantarum</i> OZB12  | MK332070-71                 | +                            |
| <i>Lactobacillus plantarum</i> PMA24  | MK332072-73                 | +                            |
| <i>Lactobacillus plantarum</i> PMA36  | MK332074-75                 | +                            |
| <i>Lactobacillus plantarum</i> PMA60  | MK332076-77                 | +                            |
| <i>Lactobacillus plantarum</i> PMB13  | MK332078-79                 | ++                           |
| <i>Lactobacillus plantarum</i> PMC50  | MK332080-81                 | +                            |
| <i>Lactobacillus plantarum</i> PMC67  | MK332082-83                 | +                            |
| <i>Lactobacillus plantarum</i> PMD28  | MK332084-85                 | +                            |
| <i>Lactobacillus plantarum</i> PMD40  | MK332086-87                 | +                            |
| <i>Lactobacillus plantarum</i> PMD72  | MK332088-89                 | +                            |
| <i>Lactobacillus plantarum</i> PMD78  | MK332090-91                 | +                            |
| <i>Lactobacillus plantarum</i> RKA46  | MK332092-93                 | +                            |
| <i>Lactobacillus plantarum</i> RKB26  | MK332094-95                 | +                            |
| <i>Lactobacillus plantarum</i> RKB35  | MK332096-97                 | +                            |
| <i>Lactobacillus plantarum</i> RKC66  | MK332098-99                 | +                            |
| <i>Lactobacillus plantarum</i> RKD30  | MK332100-101                | +                            |
| <i>Lactobacillus paracasei</i> OZA51  | MK333764-65                 | +                            |
| <i>Lactobacillus paracasei</i> OZD82  | MK333766-67                 | ++                           |
| <i>Lactobacillus paracasei</i> PMB41  | MK333768-69                 | ++                           |
| <i>Lactobacillus paracasei</i> PMD37  | MK333770-71                 | +                            |
| <i>Lactobacillus paracasei</i> PMD84  | MK333772-73                 | +                            |
| <i>Lactobacillus paracasei</i> RKC45  | MK333774-75                 | +                            |
| <i>Lactobacillus paracasei</i> PMC66  | MK332040-41                 | ++                           |
| <i>Lactobacillus plantarum</i> OZD95  | MK333776-77                 | +                            |
| <i>Lactobacillus plantarum</i> OZD99  | MK333778-79                 | ++                           |
| <i>Lactobacillus plantarum</i> RKB18  | MK333780-81                 | +                            |

**Table S1. NCBI GenBank database accession numbers and the level of the antimicrobial activity of the species (continued)**

| Strains   | GenBank accession number(s) | Antimicrobial activity (mm)* |
|---|-----------------------------|------------------------------|
| <i>Lactobacillus plantarum</i> RKE96                | MK333782-83                 | +                            |
| <i>Leuconostoc mesenteroides</i> OZB10              | MK331869-70                 | +                            |
| <i>Leuconostoc mesenteroides</i> RKA8               | MK331871-72                 | +                            |
| <i>Leuconostoc mesenteroides</i> RKB20              | MK331873-74                 | +                            |
| <i>Pediococcus pentosaceus</i> RKB18                | MK331875-76                 | +                            |
| <i>Streptococcus infantarius</i> OZE56              | MK331877-78                 | +                            |
| <i>Streptococcus lutetiensis</i> OZA60              | MK331879-80                 | ++                           |
| <i>Streptococcus macedonicus</i> RKA1               | MK331881-82                 | +                            |
| <i>Weissella cibaria</i> RKC12                      | MK331883-84                 | +++                          |
| <i>Weissella cibaria</i> RKD136                     | MK331885-86                 | +                            |
| <i>Weissella paramesenteroides</i> PMB16            | MK331887-88                 | +                            |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> OZB7   | MK331976-77                 | +                            |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> OZD124 | MK331978-79                 | +                            |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> RKA1   | MK331980-81                 | +                            |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> RKB107 | MK331982-83                 | +                            |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> RKC120 | MK331984-85                 | +                            |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> RKE123 | MK331986-87                 | +                            |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> OZB55  | MK333784-85                 | ++                           |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> OZC47  | MK333786-87                 | ++                           |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> PMA5   | MK333788-89                 | +                            |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> PMC18  | MK333790-91                 | +++                          |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> PMC32  | MK333792-93                 | ++                           |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> PMC52  | MK333794-95                 | ++                           |
| <i>Lactococcus lactis</i> ssp. <i>lactis</i> RKC12  | MK333796-97                 | +++                          |
| <i>Enterococcus faecalis</i> RKB106                 | MK333736-37                 | +                            |
| <i>Enterococcus faecium</i> OZB1                    | MK333738-39                 | +                            |
| <i>Enterococcus faecium</i> OZB83                   | MK333740-41                 | +                            |
| <i>Enterococcus faecium</i> OZC14                   | MK333742-43                 | +                            |
| <i>Enterococcus faecium</i> OZD6                    | MK333744-45                 | ++                           |
| <i>Enterococcus faecium</i> PMA5                    | MK333746-47                 | ++                           |
| <i>Enterococcus faecium</i> PMB6                    | MK333748-49                 | ++                           |
| <i>Enterococcus faecium</i> PMD1                    | MK333750-51                 | ++                           |
| <i>Enterococcus faecium</i> RKA10                   | MK333752-53                 | ++                           |
| <i>Enterococcus faecium</i> RKB2                    | MK333754-55                 | ++                           |
| <i>Enterococcus faecium</i> RKC111                  | MK333756-57                 | +                            |
| <i>Enterococcus faecium</i> RKC9                    | MK333758-59                 | +                            |
| <i>Enterococcus faecium</i> RKD1                    | MK333760-61                 | +++                          |

**Table S1. NCBI GenBank database accession numbers and the level of the antimicrobial activity of the species (continued)**

| Strains                          | GenBank accession number(s) | Antimicrobial activity (mm)* |
|----------------------------------|-----------------------------|------------------------------|
| <i>Enterococcus faecium</i> RKE6 | MK333762-63                 | ++                           |

\* +, 1–10 mm; ++, 11–20 mm; +++, 21 mm, and over diameter of inhibition zones.