

Strain identifier

| | | | |
|--------------------------|--|---------------------|---------------------------------|
| BacDive ID: | 6404 | DOI: | 10.13145/bacdive6404.20190402.4 |
| Type strain: | yes | Designation: | L917 Scav |
| Culture col. no.: | DSM 20079, ATCC 4356, NCDO 1748, NCIB 8690, WDCM 00098, CCUG 5917, IFO 13951, CCM 4833 | | |

Sections

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Name and taxonomic classification

| | | |
|------------|-----------------------------|---|
| Ref.: 8506 | Domain | Bacteria |
| Ref.: 8506 | Phylum | Firmicutes |
| Ref.: 8506 | Class | Bacilli |
| Ref.: 8506 | Order | Lactobacillales |
| Ref.: 8506 | Family | Lactobacillaceae |
| Ref.: 8506 | Genus | Lactobacillus |
| Ref.: 8506 | Species | Lactobacillus acidophilus |
| Ref.: 8506 | Full Scientific Name | Lactobacillus acidophilus (Moro 1900) Hansen and Møcquot 1970 |
| Ref.: 8506 | Designation: | L917 Scav |
| Ref.: 8506 | Type strain: | yes |

Prokaryotic Nomenclature Up-to-date (PNU)

| | | |
|-------------|----------------------|---------------------------------------|
| Ref.: 20215 | Domain | Bacteria |
| Ref.: 20215 | Phylum | Firmicutes |
| Ref.: 20215 | Class | Bacilli |
| Ref.: 20215 | Literature reference | Int. J. Syst. Evol. Microbiol. 60:469 |
| Ref.: 20215 | Family | Lactobacillaceae |
| Ref.: 20215 | Literature reference | Int. J. Syst. Bacteriol. 30:236 |
| Ref.: 20215 | Genus | Lactobacillus |

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|-------------|-----------------------------|--|
| Ref.: 20215 | Taxonomical status | genus (AL) |
| Ref.: 20215 | Literature reference | Int. J. Syst. Bacteriol. 30:225 |
| Ref.: 20215 | Species | <i>Lactobacillus acidophilus</i> |
| Ref.: 20215 | Taxonomical status | comb. nov. (AL) |
| Ref.: 20215 | Literature reference | Int. J. Syst. Bacteriol. 30:225 |
| Ref.: 20215 | Full Scientific Name | <i>Lactobacillus acidophilus</i> (Moro 1900) Hansen and Mocquot 1970 |

Morphology and physiology

| | | |
|------------|----------------------------------|----------------|
| Ref.: 8506 | Name of produced compound | DL lactic acid |
|------------|----------------------------------|----------------|

Ref.: 8506 **API 50CHac**

| API ID | 2907 | 2510 | 2509 | 2508 | 2507 |
|--------|------|------|------|------|------|
| Q | - | - | - | - | - |
| GLY | - | - | - | - | - |
| ERY | - | - | - | - | - |
| DARA | - | - | - | - | - |
| LARA | - | - | - | - | - |
| RIB | - | - | - | - | - |
| DXYL | - | - | - | - | - |
| LXYL | - | - | - | - | - |
| ADO | - | - | - | - | - |
| MDX | - | - | - | - | - |
| GAL | - | - | - | - | - |
| GLU | + | + | + | + | + |
| FRU | + | + | + | + | + |
| MNE | + | + | + | + | + |
| SBE | - | - | - | - | - |
| RHA | - | - | - | - | - |
| DUL | - | - | - | - | - |
| INO | - | - | - | - | - |
| MAN | - | - | - | - | - |
| SOR | - | - | - | - | - |
| MDM | - | - | - | - | - |
| MDG | - | - | - | - | - |
| NAG | + | + | + | + | + |
| AMY | + | + | + | + | + |



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|------|---|---|---|---|---|
| ARB | - | - | - | - | - |
| ESC | + | + | + | + | + |
| SAL | + | + | + | + | + |
| CEL | + | + | + | + | + |
| MAL | + | + | + | + | + |
| LAC | + | + | + | + | + |
| MEL | - | - | - | - | - |
| SAC | + | + | + | + | + |
| TRE | + | + | + | + | + |
| INU | - | - | - | - | - |
| MLZ | - | - | - | - | - |
| RAF | - | - | - | - | - |
| AMD | - | - | - | - | - |
| GLYG | - | - | - | - | - |
| XLT | - | - | - | - | - |
| GEN | + | + | + | + | + |
| TUR | - | - | - | - | - |
| LYX | - | - | - | - | - |
| TAG | - | - | - | - | - |
| DFUC | - | - | - | - | - |
| LFUC | - | - | - | - | - |
| DARL | - | - | - | - | - |
| LARL | - | - | - | - | - |
| GNT | - | - | - | - | - |
| 2KG | - | - | - | - | - |
| 5KG | - | - | - | - | - |

| Antibiotica | Chebi ID | Metabolite |
|-------------|----------|--------------|
| | 18208 | Penicillin G |

Ref.: 22928

| Metabolite utilization | Chebi ID | Metabolite | Utilization activity | Kind of utilization tested |
|------------------------|----------|-------------|----------------------|----------------------------|
| | 17057 | Cellobiose | + | growth |
| | 17113 | Erythritol | - | growth |
| | 28260 | Galactose | +/- | growth |
| | 28066 | Gentiobiose | + | growth |
| | 28087 | Glycogen | - | growth |
| | 28087 | Glycogen | + | growth |

Ref.: 22927

Ref.: 22928

Ref.: 22927

Ref.: 22927

Ref.: 22927

Ref.: 22928

| | | | | |
|-------------|-------|-----------|-----|--------|
| Ref.: 22928 | 29864 | Mannitol | - | growth |
| Ref.: 22928 | 37684 | Mannose | + | growth |
| Ref.: 22927 | 16634 | Raffinose | +/- | growth |
| Ref.: 22928 | 30911 | Sorbitol | - | growth |
| Ref.: 22927 | 28017 | Starch | +/- | growth |
| Ref.: 22928 | 17992 | Sucrose | + | growth |
| Ref.: 22927 | 27082 | Trehalose | +/- | growth |

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|------------|-------------------------|---------------------|
| Ref.: 8506 | Murein short key | A11.31 |
| Ref.: 8506 | Murein types | A4alpha L-Lys-D-Asp |
| Ref.: 8506 | Oxygen tolerance | anaerobe |

Culture and growth conditions

| | | |
|------------|------------------------------|---|
| Ref.: 8506 | Culture medium | MRS MEDIUM WITH CYSTEINE (DSMZ Medium 232), 37°C, prereduced (oxygen-free), anaerobic |
| Ref.: 8506 | Culture medium growth | yes |
| Ref.: 8506 | Culture medium link | https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium232.pdf |

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|-------------|-----------------------------------|---|
| Ref.: 41980 | Culture medium | MEDIUM 40- for Lactobacillus and Leuconostoc |
| Ref.: 41980 | Culture medium growth | yes |
| Ref.: 41980 | Culture medium composition | Distilled water make up to (1000.000 ml);Man Rogosa Sharp agar (68.000 g) |

| | Temperatures | <table border="1"> <thead> <tr> <th>Kind of temperature</th> <th>Temperature</th> </tr> </thead> <tbody> <tr> <td>growth</td> <td>37 °C</td> </tr> <tr> <td>growth</td> <td>30 °C</td> </tr> <tr> <td>growth</td> <td>30 °C</td> </tr> <tr> <td>growth</td> <td>37 °C</td> </tr> </tbody> </table> | Kind of temperature | Temperature | growth | 37 °C | growth | 30 °C | growth | 30 °C | growth | 37 °C |
|---------------------|---------------------|--|---------------------|-------------|--------|-------|--------|-------|--------|-------|--------|-------|
| Kind of temperature | Temperature | | | | | | | | | | | |
| growth | 37 °C | | | | | | | | | | | |
| growth | 30 °C | | | | | | | | | | | |
| growth | 30 °C | | | | | | | | | | | |
| growth | 37 °C | | | | | | | | | | | |
| Ref.: 8506 | | | | | | | | | | | | |
| Ref.: 41980 | | | | | | | | | | | | |
| Ref.: 44877 | | | | | | | | | | | | |
| Ref.: 44877 | | | | | | | | | | | | |

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|-------------|--------------------------|------------|
| Ref.: 8506 | Temperature range | mesophilic |
| Ref.: 41980 | Temperature range | mesophilic |
| Ref.: 44877 | Temperature range | mesophilic |

Isolation, sampling and environmental information

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|------------|----------------------------------|-------|
| Ref.: 8506 | Sample type/isolated from | human |
|------------|----------------------------------|-------|

Ref.: 44877 **Sample type/isolated from** Human

Isolation sources categories

| Cat1 | Cat2 | Cat3 |
|-------|--------|------|
| #Host | #Human | - |

Application and interaction

Ref.: 8506 **Pathogenicity (human)** yes

Ref.: 8506 **Biosafety level** 1 Risk group (German classification)

Molecular biology

Ref.: 8506 **GC-content** 32.0 mol%

| | Sequence database | Sequence accession description | Sequence accession number | Sequence length(bp) | Associated NCBI tax ID | |
|-------------|---|---|---------------------------|---------------------|------------------------|---|
| Ref.: 20218 | INSDC Sequence | Sequence 1 from Patent WO9709448 | A61361 | 205 | 1579 | * |
| Ref.: 20218 | Marker Gene (DDBJ Direct submission) | Lactobacillus acidophilus gene for 16S rRNA, partial sequence, strain: YIT 0070 (= ATCC 4356) | AB008203 | 1553 | 1579 | * |
| Ref.: 20218 | Marker Gene (DDBJ Direct submission) | Lactobacillus acidophilus genes for 16S rRNA, 16S-23S intergenic spacer region, 23S rRNA, partial and complete sequence, strain:ATCC 4356 | AB092634 | 709 | 1579 | * |
| Ref.: 20218 | Marker Gene (DDBJ Direct submission) | Lactobacillus acidophilus minD gene for cell division inhibitor, complete cds, strain: ATCC 4356 | AB725355 | 798 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus ATCC 4356 16S ribosomal RNA gene, partial sequence | AF429493 | 504 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain ATCC 4356 16S ribosomal RNA gene, partial sequence; 16S-23S intergenic spacer, complete sequence; and 23S ribosomal RNA gene, partial sequence | AF429580 | 519 | 1579 | * |



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|-------------|---|---|----------|------|------|---|
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain ATCC 4356 60 kDa heat shock protein (HSP60) gene, partial cds | AF429667 | 552 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | Lactobacillus acidophilus partial mRNA for putative elongation factor Tu (tuf gene), strain ATCC4356 | AJ418902 | 761 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | Lactobacillus acidophilus 23S rRNA gene, strain ATCC 4356 | AJ620360 | 2891 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | Sequence 321 from Patent WO0123604 | AX109588 | 834 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | Sequence 1680 from Patent WO0123604 | AX110947 | 823 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain ATCC 4356 ATP synthase beta chain (atpD) gene, partial cds | AY487161 | 1115 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus ATCC:4356 heterodimeric beta-galactosidase large subunit (lacL) and heterodimeric beta-galactosidase small subunit (lacM) genes, complete cds | EU590651 | 2834 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus ATCC:4356 beta-galactosidase (lacZ) gene, complete cds | EU590652 | 2017 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain ATCC 4356 recombinase A (recA) gene, partial cds | KF316552 | 534 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain ATCC 4356 CTP synthetase (pyrG) gene, partial cds | KF316604 | 495 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain ATCC 4356 GTP-binding protein (lepA) gene, partial cds | KF316656 | 489 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain ATCC 4356 DNA gyrase subunit B (gyrB) gene, partial cds | KF316708 | 465 | 1579 | * |



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|-------------|---|---|----------|------|------|---|
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain ATCC 4356 DNA gyrase subunit A (gyrA) gene, partial cds | KF316760 | 534 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain ATCC 4356 phosphoglycerate mutase (gpmA) gene, partial cds | KF316812 | 447 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain ATCC 4356 translation elongation factor G (fusA) gene, partial cds | KF316864 | 555 | 1579 | * |
| Ref.: 20218 | INSDC Sequence | Lactobacillus acidophilus 16S ribosomal RNA | M58802 | 1569 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus 16S-23S rRNA spacer region | U32971 | 206 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | L.acidophilus gene for surface layer protein | X71412 | 1485 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | L.acidophilus DNA for SA-protein gene | X89375 | 1736 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | L.acidophilus DNA for SB-protein gene | X89376 | 1765 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | L.acidophilus rrn operon, 16S-23S rRNA spacer (short) | Z75472 | 204 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | L.acidophilus rrn operon, 16S-23S rRNA spacer (long), tRNA-Ile and tRNA-Ala genes | Z75473 | 451 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | L.acidophilus rrn operon, 23S-5S rRNA spacer | Z75474 | 69 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain BCRC10695 16S ribosomal RNA gene, complete sequence | AY773947 | 1478 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain BCRC 10695 DNA gyrase subunit B (gyrB) gene, partial cds | EU647686 | 777 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain BCRC 10695 recombinase A gene, partial cds | JN226833 | 302 | 1579 | * |



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|-------------|---|--|---------------|-------|---------|---|
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain CECT 903 recombinase A (recA) gene, partial cds | FJ557014 | 660 | 1579 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF18-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000001 | 93646 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF25-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000002 | 47170 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF9-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000003 | 73674 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF2-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000004 | 52644 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF23-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000005 | 33987 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF4-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000006 | 26540 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF5-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000007 | 24091 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF13-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000008 | 35302 | 1226675 | * |



Lactobacillus acidophilus

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|-------------|---|--|---------------|-------|---------|---|
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF15-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000009 | 22421 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF10-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000010 | 2288 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF14-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000011 | 30647 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF21-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000012 | 40123 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF26-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000013 | 2355 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF32-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000014 | 1080 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF38-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000015 | 3073 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF7-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000016 | 1025 | 1226675 | * |



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|-------------|---|--|---------------|--------|---------|---|
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF19-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000017 | 26685 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF20-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000018 | 9919 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF8-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000019 | 136418 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF12-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000020 | 58772 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF39-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000021 | 1097 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF39-CIP76.13-Contig2, whole genome shotgun sequence | CBLQ010000022 | 14434 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF1-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000023 | 166831 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000024 | 81575 | 1226675 | * |



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|-------------|---|--|---------------|--------|---------|---|
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig2, whole genome shotgun sequence | CBLQ010000025 | 30882 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig3, whole genome shotgun sequence | CBLQ010000026 | 86460 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig4, whole genome shotgun sequence | CBLQ010000027 | 4302 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig5, whole genome shotgun sequence | CBLQ010000028 | 139512 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig6, whole genome shotgun sequence | CBLQ010000029 | 208 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig7, whole genome shotgun sequence | CBLQ010000030 | 55547 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig8, whole genome shotgun sequence | CBLQ010000031 | 25644 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig9, whole genome shotgun sequence | CBLQ010000032 | 47948 | 1226675 | * |



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|-------------|---|---|---------------|-------|---------|---|
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig10, whole genome shotgun sequence | CBLQ010000033 | 42755 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig11, whole genome shotgun sequence | CBLQ010000034 | 19343 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig12, whole genome shotgun sequence | CBLQ010000035 | 40421 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF86-CIP76.13-Contig13, whole genome shotgun sequence | CBLQ010000036 | 95448 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF31-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000037 | 28523 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF31-CIP76.13-Contig2, whole genome shotgun sequence | CBLQ010000038 | 50734 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF31-CIP76.13-Contig3, whole genome shotgun sequence | CBLQ010000039 | 30438 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF31-CIP76.13-Contig4, whole genome shotgun sequence | CBLQ010000040 | 7080 | 1226675 | * |



Lactobacillus acidophilus

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|-------------|---|--|---------------|-------|---------|---|
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF31-CIP76.13-Contig5, whole genome shotgun sequence | CBLQ010000041 | 17810 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF31-CIP76.13-Contig6, whole genome shotgun sequence | CBLQ010000042 | 32881 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF33-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000043 | 12595 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF22-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000044 | 12828 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF30-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000045 | 23610 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF30-CIP76.13-Contig2, whole genome shotgun sequence | CBLQ010000046 | 48006 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF30-CIP76.13-Contig3, whole genome shotgun sequence | CBLQ010000047 | 6120 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF30-CIP76.13-Contig4, whole genome shotgun sequence | CBLQ010000048 | 8180 | 1226675 | * |

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|-------------|---|--|---------------|-------|---------|---|
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF11-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000049 | 63732 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF34-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000050 | 7670 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF29-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000051 | 4812 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF3-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000052 | 13797 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF17-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000053 | 1403 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF24-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000054 | 1846 | 1226675 | * |
| Ref.: 20218 | Whole Genome Shotgun (WGS) Sequence INSDC | Lactobacillus acidophilus CIP 76.13 WGS project CBLQ000000000 data, contig SCF28-CIP76.13-Contig1, whole genome shotgun sequence | CBLQ010000055 | 3103 | 1226675 | * |
| Ref.: 20218 | EMBL Genome project data | Lactobacillus acidophilus partial 16S rRNA gene, strain VPI 6032 | FR683087 | 1531 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | TPA: Lactobacillus acidophilus CIP 76.13 transfer-messenger mRNA Lacto_acido_NCFM, single chain mature transcript | HG783362 | 369 | 1226675 | * |



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|-------------|---|--|----------|------|------|---|
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus RNA polymerase beta subunit (rpoB) gene, partial cds | AY122484 | 315 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain DSM 20079 GroEL (hsp60) gene, partial cds | AY424311 | 506 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain DSM 20079 16S ribosomal RNA gene, partial sequence | EF468098 | 262 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain DSM 20079 16S ribosomal RNA gene, partial sequence | HQ012028 | 936 | 1579 | * |
| Ref.: 20218 | Marker Gene (DDBJ Direct submission) | Lactobacillus acidophilus gene for 16S rRNA, partial sequence, strain: JCM 1132 | AB289017 | 688 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus 16S ribosomal RNA, partial sequence; 16S/23S intergenic spacer region, complete sequence; and 23S ribosomal RNA partial sequence | AF182726 | 661 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain KCTC 3164 linoleate 13-hydratase gene, complete cds | KJ560553 | 1773 | 1579 | * |
| Ref.: 20218 | Marker Gene (GenBank Direct submission) | Lactobacillus acidophilus strain KCTC 3164 10-hydratase gene, complete cds | KJ560554 | 1776 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | Lactobacillus acidophilus pheS gene for phenylalanyl-tRNA synthase alpha subunit, type strain LMG 9433T | AM087677 | 453 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | Lactobacillus acidophilus rpoA gene for RNA polymerase alpha subunit, type strain LMG 9433T | AM087860 | 454 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | Lactobacillus acidophilus atpA gene for ATP synthase alpha subunit, type strain LMG 9433T | AM087891 | 825 | 1579 | * |

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|-------------|--------------------------------------|---|--------------|------|------|---|
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | Lactobacillus acidophilus pheS gene for phenylalanyl tRNA synthetase alpha subunit, strain LA5, isolate TUTBF-U, clone H02_U_phes21_002.ab1 | HE662779 | 360 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | Lactobacillus acidophilus pheS gene for phenylalanyl tRNA synthetase alpha subunit, strain LMG 9433T, isolate TUTBF-V, clone H01_V_phes21_001.ab1 | HE662780 | 423 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | Lactobacillus acidophilus rpoA gene for RNA polymerase, strain LA5, isolate TUTBF-U, clone D04_U_rpoA21_026.ab1 | HE662797 | 750 | 1579 | * |
| Ref.: 20218 | Marker Gene (DDBJ Direct submission) | Lactobacillus acidophilus gene for 16S rRNA, partial sequence, strain: NBRC 13951 | AB680529 | 1489 | 1579 | * |
| Ref.: 20218 | Marker Gene (EMBL Direct submission) | L.acidophilus 16S rRNA gene | X61138 | 1379 | 1579 | * |
| Ref.: 8506 | INSDC (WGS) | | AZCS00000000 | | | |

Strain availability

Ref.: 8506 **Culture collection no.** DSM 20079, ATCC 4356, NCDO 1748, NCIB 8690, WDCM 00098, CCUG 5917, IFO 13951, CCM 4833

Ref.: 8506 **Strain history** <- P.A. Hansen, L917 <- W.L. Kulp, strain Scav

Associated Passport(s) in StrainInfo

Ref.: 20218 13010 - <http://www.straininfo.net/strains/13010>
 Ref.: 20218 13006 - <http://www.straininfo.net/strains/13006>
 Ref.: 20218 137310 - <http://www.straininfo.net/strains/137310>
 Ref.: 20218 122125 - <http://www.straininfo.net/strains/122125>
 Ref.: 20218 866248 - <http://www.straininfo.net/strains/866248>

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Ref.: 8506 Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 20079



- Ref.: 20215 D.Gleim, M.Kracht, N.Weiss et. al.: Prokaryotic Nomenclature Up-to-date - compilation of all names of Bacteria and Archaea, validly published according to the Bacteriological Code since 1. Jan. 1980, and validly published nomenclatural changes since.
- Ref.: 20218 Verslyppe, B., De Smet, W., De Baets, B., De Vos, P., Dawyndt P. StrainInfo introduces electronic passports for microorganisms.. Syst Appl Microbiol. 37: 42-50 2014 (10.1016/j.syapm.2013.11.002, 24321274)
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- Ref.: 22928 J. L. JOHNSON, C. F. PHELPS, C. S. CUMMINS, J. LONDON, F. GASSER Taxonomy of the Lactobacillus acidophilus Group. IJSEM 30: 53-68 1980 (10.1099/00207713-30-1-53, None)
- Ref.: 41980 None; Curators of the CIP; None
- Ref.: 44877 Culture Collection University of Gothenburg (CCUG); Curators of the CCUG; CCUG 5917

*** These References are textmined**

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