

Additional file 1: Fermentation patterns of strains active against biofilm formation or elastolytic activity

| | <i>L. fermentum</i> | | | | | | <i>L. paracasei</i> | <i>L. zeae</i> |
|---------------------------|---------------------|----------|-----------|-----------|-----------|-----------|---------------------|----------------|
| | ES.A.2 | ES.F.115 | K.C6.3.1D | K.C6.3.1E | K.V9.3.2B | K.V9.3.2C | ES.D.88 | Od.76 |
| Glycerol | - | - | - | - | - | - | - | + |
| Erythritol | - | - | - | - | - | - | - | - |
| D-Arabinose | - | - | - | - | - | - | - | + |
| L-Arabinose | + | + | - | - | - | - | - | + |
| D-Ribose | + | + | + | + | + | + | + | + |
| D-Xylose | - | + | - | - | - | - | - | - |
| L-Xylose | - | - | - | - | - | - | - | - |
| D-Adonitol | - | - | - | - | - | - | + | - |
| Methyl-βD-Xylopyranoside | - | - | - | - | - | - | - | - |
| D-Galactose | + | + | + | + | + | + | + | + |
| D-Glucose | + | + | + | + | + | + | + | + |
| D-Fructose | + | + | + | + | + | + | + | + |
| D-Mannose | - | + | + | + | + | - | + | + |
| L-Sorbose | - | - | - | - | - | - | - | + |
| L-Rhamnose | - | - | - | - | - | - | - | + |
| Dulcitol | - | - | - | - | - | - | - | - |
| Inositol | - | - | - | - | - | - | + | + |
| D-Mannitol | - | - | - | - | - | - | + | + |
| D-Sorbitol | - | - | - | - | - | - | + | + |
| Methyl-αD-Mannopyranoside | - | - | - | - | - | - | - | - |
| Methyl-αD-Glucopyranoside | - | - | - | - | - | - | - | + |
| N-Acetylglucosamine | - | - | - | - | - | - | + | + |
| Amygdalin | - | - | - | - | - | - | + | + |
| Arbutin | - | - | - | - | - | - | + | ? |
| Esculin ferric citrate | + | - | ? | ? | - | - | + | + |

| | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|
| Salicin | - | - | - | - | - | - | + | + |
| D-Cellobiose | - | - | - | - | - | - | + | + |
| D-Maltose | + | + | + | + | + | + | + | + |
| D-Lactose (bovine origin) | - | + | + | + | + | + | + | + |
| D-Melibiose | + | + | + | + | + | + | - | - |
| D-Saccharose (sucrose) | + | + | + | + | + | + | + | + |
| D-Trehalose | + | - | + | + | - | + | + | + |
| Inulin | - | - | - | - | - | - | + | - |
| D-Melezitose | - | - | - | - | - | - | + | + |
| D-Raffinose | + | + | + | + | + | + | - | - |
| Amidon (starch) | - | - | - | - | - | - | - | + |
| Glycogen | - | - | - | - | - | - | - | - |
| Xylitol | - | - | - | - | - | - | - | - |
| Gentiobiose | - | - | - | - | - | - | + | + |
| D-Turanose | - | - | - | - | - | - | + | + |
| D-Lyxose | - | - | - | - | - | - | - | - |
| D-Tagatose | - | - | - | - | - | - | + | + |
| D-Fucose | - | - | - | - | - | - | - | - |
| L-Fucose | - | - | - | - | - | - | - | + |
| D-Arabitol | - | - | - | - | - | - | - | + |
| L-Arabitol | - | - | - | - | - | - | - | - |
| Potassium gluconate | - | - | ? | ? | - | - | - | - |
| Potassium 2-Ketogluconate | - | - | - | - | - | - | - | - |
| Potassium 5-Ketogluconate | - | - | - | - | - | - | - | - |