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| Supplementary Table 2. Identification of compounds obtained from LB7 by the mass spectrometer analysis, based on the Metabolic In Silico Network Expansions database. MINE code corresponds to the KEGG codification |
| **Strain** | **Band** | **m/z** | **Identification (MINE)** | **MINE code** | **Nature** | **Associated function** |
| **LB7 grown in****MB** | A  | 101.2  | Unknown  | -  | -  | - |
| A  | 135.5  | Unknown  | -  | -  | - |
| A  | 182.05  | Unknown  | -  | -  | - |
| B  | 336.05  | Mersalyl acid by-product (KEGG)  | 661414  | Carbolixic acid  | Metabolism |
| B  | 341.25  | 2-octaprenyl phenol by-product (KEGG)  | 2640  | Phenol  | Metabolism |
| B  | 404  | GSSeH by-product  (KEGG)  | 563073  | Thioselenide  | Selenium degradation |
| C  | 267.2  | Unknown  | -  | -  | - |
| C  | 268.25  | Unknown  | -  | -  | - |
| D  | 244.3  | Unknown  | -  | -  | - |
| D  | 290.25  | Procyclidine by-product  | 600739  | Procyclidine  | Anticholinergic agent |
| D  | 314.25  | (2E)-Hexadecenoyl-CoA by-product  | 19472  | Acidanhydrine  acyclicphosphorus | Catobolization of dimethylsulfoniopropionate |
| D  | 360.3  | Unknown  | -  | -  | - |
| **LB7 grown with****0,01M Glucose** | A  | 101.2  | Unknown  | -  | -  | - |
| A  | 135.2  | Unknown  | -  | -  | - |
| A  | 186.05  | Unknown  | -  | -  | - |
| A  | 232.05  | Phosphophosphinate by-product  | 566860  | -  | Analogue inhibitor for D-Ala-D-Ala, vancomicin resistance |
| A  | 234  | Unknown  | -  | -  | - |
| B  | 275.2  | Myxalamide C by-product  | 141593  | -  | Antibacterial |
| B  | 336.05  | Mersalyl acid by-product (KEGG)  | 661414  | Carboxilix acid  | Metabolism |
| B  | 404  |  GSSeH by-product  (KEGG)  | 567316  | Thioselenide  | Selenium degradation |
| B  | 415.35  | Unknown  | -  | -  | - |
|  |
| **LB7 grown at****pH12** | A  | 135.2  | Unknown  | -  | -  | - |
| A  | 192.1  | 4-guanidinobutanoate by-product (KEGG)  | 144627  | Butanoic Acid  | Glutamate synthesis |
| A  | 193.15  | Unknown  | -  | -  | - |
| A  | 265  | Dihydroxymandelic Acid by-product  | 94678  | Phenol  | Antioxidant-metabolite of norepinephrine |
| **LB7 grown with****1,5M NaCL** | A  | 101.2  | Unknown  | -  | -  | - |
| A  | 135.2  | Unknown  | -  | -  | - |
| A  | 186.05  | Unknown  | -  | -  | - |
| A  | 208.1  | Trihomomethionine by-product  | 164650  | Organic sulfur  | Glucosinolate precursor |
| A  | 223.05  | Imidazole-acetol phosphate by-product  | 22677  | Azole  | Histidine production |
| A  | 226.1  | Amide biotine by-product  | 261939  | Carboxamide  | Antioxidant, antibacterial |
| A  | 232.05  | Phosphophosphinate by-product  | 566860  | Acid Anhydride acyclic phosphorus  | Chelator |
| A  | 240.1  | Flavone by-product  | 231654  | Flavonoid  | Antioxidant, anti inflammatory, anti-mutagenesis |
| A  | 249.1  | Cryptolepine by-product  | 569935  | Alkaloid  | Cytotoxic, antimalarial |
| **LB7 grown****at 37°C** | A  | 101.2  | Unknown  | -  | -  | - |
| A  | 134.75  | Unknown  | -  | -  | - |
| A  | 155.15  | Unknown  | -  | -  | - |
| A  | 156.15  | Unknown  | -  | -  | - |
| A  | 186.05  | Unknown  | -  | -  | - |
| A  | 208.1  | Trihomomethionine by-product  | 164650  | Organic sulfur  | Glucosinolate precursor |
| A  | 223.05  | Amide bioteine by-product  | 22677  | Azole  | Histidine precursor |
| A  | 232.05  | Phospho Phosphinate by product  | 566860  | Acid Anhydride acyclic phosphorus  | Chelator |
| A  | 234  | Unknown  | -  | -  | - |
| A  | 236.05  | Thiabendazole by-product  | 481409  | Thiazole  | Anti-fungal |
| A  | 240.1  | Flavone by-product  | 231654   | Flavonoid  | Antioxidant, anti inflammatory, anti-mutagenesis |
| A  | 249.1  | Cryptolepine by-product  | 569935  | Alkaloid  | Cytotoxic, antimalarial |
| B  | 276.15  | 2-phenyl-1(1,2,4-triazol-1-yl)-3-trimethylsilyl propan-2-ol  | 478904  | Thiazole  | Antibacterial and antifungal |
| B  | 336.05  | By-product of Mersalilic Acid (KEGG)  | 661414  | Carboxylic acid  | Metabolism |
| B  | 430.95  | Unknown  | -  | -  | - |
| B  | 554.6  | Unknown  | -  | -  | - |
| C  | 155.2  | Unknown  | -  | -  | - |
| C  | 457.3  | Unknown  | -  | -  | - |