**Enriched pathways during Biofilm t1 (Pellicle Early).**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Subsystem | Fold change | Adjusted *P*-value | Number of genes | Genes |
| L-α-aminoadipic acid biosynthesis | 3.92 | 0 | 1 | *BB28\_RS18260* |
| Redox metabolism | 3.83 | 0.02 | 5 | *BB28\_RS12850, BB28\_RS12855, BB28\_RS12860, BB28\_RS12865, BB28\_RS17655.* |
| Glyoxylate metabolism | 3.80 | 0.03 | 1 | *BB28\_RS15360* |
| Lipid metabolism | 2.32 | 0.03 | 2 | *BB28\_RS24120, BB28\_RS24125.* |
| Mycolic acid biosynthesis | 6.30 | 0.02 | 3 | *BB28\_RS03100, BB28\_RS06770, BB28\_RS06780.* |
| Membrane metabolism | -2.47 | 3.85E-06 | 5 | *BB28\_RS10375, BB28\_RS10385, BB28\_RS10390, BB28\_RS10395, BB28\_RS11045* |
| Mycobactin biosynthesis | -2.50 | 3.33E-12 | 6 | *BB28\_RS10375, BB28\_RS10385, BB28\_RS10390, BB28\_RS10395, BB28\_RS11045, BB28\_RS11050.* |
| Transport | -3.32 | 4.43E-07 | 3 | *BB28\_RS04470, BB28\_RS04495, BB28\_RS13025.* |

**Enriched pathways during Biofilm t2 (Pellicle Late).**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Subsystem | Fold change | Adjusted *P*-value | Number of genes | Genes |
| L-α-aminoadipic acid biosynthesis | 4.73 | 0 | 1 | *BB28\_RS18260* |
| Arginine proline metabolism | -2.28 | 1.72E-06 | 5 | *BB28\_RS11445, BB28\_RS11450, BB28\_RS11455, BB28\_RS11460, BB28\_RS11465.* |
| Mycobactin biosynthesis | -2.45 | 0.006 | 3 | *BB28\_RS10385, BB28\_RS10390, BB28\_RS10395.* |
| Transport | -2.88 | 4.43E-07 | 15 | *BB28\_RS04470, BB28\_RS04490, BB28\_RS04495, BB28\_RS13025, BB28\_RS20340, BB28\_RS20920, BB28\_RS20925, BB28\_RS20930, BB28\_RS20935, BB28\_RS20940, BB28\_RS20945, BB28\_RS20950, BB28\_RS20955, BB28\_RS22830, BB28\_RS23005.* |