**Table S1: GO terms for biosynthetic process, lipid biosynthetic process and isoprenoid biosynthetic process.**

|  |
| --- |
| **Biosynthetic process (GO: 0009058) 3339 sequences (3.75%)** |
| Macromolecule biosynthetic process  | 1964 sequences (2.20%)  |
| Cellular biosynthetic process  | 1222 sequences (1.37%)  |
| **Lipid biosynthetic process**  | **434 sequences (0.49%)**  |
| Regulation of biosynthetic process  | 69 sequences (0.08%)  |
| Cuticle hydrocarbon biosynthetic process  | 8 sequences (0.01%)  |
| Peptidyl-diphthamide biosynthetic processfrom peptidyl-histidine  | 2 sequences (0.00%)  |
|  **Lipid biosynthetic process (GO: 0008610) 434 sequences (0.49%)**  |
|
| **Fatty acid biosynthetic process**  | **153 sequences (0.17%)**  |
| **Isoprenoid biosynthetic process**  | **113 sequences (0.13%)**  |
| Membrane lipid biosynthetic process  | 112 sequences (0.13%)  |
| Steroid biosynthetic process  | 25 sequences (0.03%)  |
| Glycerolipid biosynthetic process  | 21 sequences (0.02%)  |
| Neutral lipid biosynthetic process  | 21 sequences (0.02%)  |
| Sulfolipid biosynthetic process  | 5 sequences (0.01%)  |
| Lipopolysaccharide biosynthetic process  | 4 sequences (0.00%)  |
| Regulation of lipid biosynthetic process  | 4 sequences (0.00%)  |
|  |  |
| **Isoprenoid biosynthetic process (GO: 0008299) 113 sequences (0.13%)** |
| Terpenoid biosynthetic process | 53 sequences (0.06%) |
| Isopentenyl diphosphate biosynthetic process | 16 sequences (0.02%) |
| Prenol biosynthetic process | 2 sequences (0.00%) |
| Others | 42 sequences (0.04%) |

**GO term > biological process >metabolic process >biosynthetic process > lipid biosynthetic process > fatty acid biosynthetic process /** **Isoprenoid biosynthetic process**