|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Function** | **GenBank #** | **GenBank %\*10** | **BLAST #** | **BLAST %\*10** | **Adjustment** |
| *actin filament* | 11 | 0.40 | 4 | 0.19 | 2.15 |
| *alpha-galactosidase activity* | 4 | 0.15 | 0 | 0 | *∅* |
| *alternative oxidase activity* | 6 | 0.22 | 4 | 0.19 | 1.17 |
| *ammonium transmembrane transport* | 8 | 0.29 | 7 | 0.33 | 0.89 |
| *aspartic-type endopeptidase activity* | 17 | 0.62 | 93 | 4.37 | 0.14 |
| *ATP:ADP antiporter activity* | 5 | 0.18 | 6 | 0.28 | 0.65 |
| *ATPase activity* | 188 | 6.91 | 369 | 17.34 | 0.40 |
| *beta-galactosidase activity* | 19 | 0.70 | 12 | 0.56 | 1.24 |
| *beta-glucanase activity* | 0 | 0 | 0 | 0 | *∅* |
| *chitinase activity* | 15 | 0.55 | 29 | 1.36 | 0.40 |
| *cinnamyl-alcohol dehydrogenase activity* | 17 | 0.62 | 11 | 0.52 | 1.21 |
| *cyclic-nucleotide phosphodiesterase activity* | 1 | 0.04 | 0 | 0 | *∅* |
| *cysteine-type peptidase activity* | 64 | 2.35 | 122 | 5.73 | 0.41 |
| *endonuclease complex* | 0 | 0 | 0 | 0 | *∅* |
| *formate dehydrogenase complex* | 0 | 0 | 0 | 0 | *∅* |
| *fructose-bisphosphate aldolase activity* | 9 | 0.33 | 7 | 0.33 | 1.01 |
| *glucosidase complex* | 0 | 0 | 0 | 0 | *∅* |
| *glutathione transferase activity* | 46 | 1.69 | 22 | 1.03 | 1.64 |
| *lipase activity* | 63 | 2.32 | 22 | 1.03 | 2.24 |
| *lipid transport* | 146 | 5.37 | 57 | 2.68 | 2.00 |
| *methylammonium channel activity* | 0 | 0 | 0 | 0 | *∅* |
| *peroxidase activity* | 113 | 4.15 | 73 | 3.43 | 1.21 |
| *phosphatase activity* | 31 | 1.14 | 42 | 1.97 | 0.58 |
| *phospholipase activity* | 11 | 0.40 | 6 | 0.28 | 1.43 |
| *polygalacturonase activity* | 71 | 2.61 | 70 | 3.29 | 0.79 |
| *polygalacturonase inhibitor activity* | 2 | 0.07 | 2 | 0.09 | 0.78 |
| *protein homodimerization activity* | 141 | 5.18 | 139 | 6.53 | 0.79 |
| *ribonuclease activity* | 25 | 0.92 | 25 | 1.17 | 0.78 |
| *serine-type carboxypeptidase activity* | 55 | 2.02 | 36 | 1.69 | 1.19 |
| *sodium ion transmembrane transporter activity* | 0 | 0 | 0 | 0 | *∅* |
| *superoxide dismutase activity* | 5 | 0.18 | 0 | 0 | *∅* |
| *symplast* | 0 | 0 | 0 | 0 | *∅* |
| *thioglucosidase activity* | 8 | 0.29 | 1 | 0.05 | 6.26 |
| *water channel activity* | 39 | 1.43 | 14 | 0.66 | 2.18 |
| *xylanase activity* | 0 | 0 | 0 | 0 | *∅* |
| *heat shock protein activity* | 16 | 0.59 | 9 | 0.42 | 1.39 |
| None of the Above | 26091 | 959.02 | 20126 | 945.86 | *-* |
| Total Carnivorous | 1115 | 40.98 | 1152 | 54.14 | *-* |
| Total | 27206 | - | 21278 | - | 1.28 |