**S4 Table:** Percentage depletion of pyrethroid insecticides by various recombinant CYP6P9a and CYP6P9b proteins

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Recombinant Proteins** | **Permethrin** | **Bifenthrin** | **Deltamethrin** | **λ-cyhalothrin** | **Etofenprox** |
| **FANGCYP6P9a** | 29.0±1.42 | 16.6±5.41 | 18.11±2.15 | 15.46±4.43 | 7.28±1.53 |
| **UGANCYP6P9a** | 60.71±0.92\* | 50.31±3.8\* | 57.9±2.74\* | 47.74±1.5\* | 42.55±1.03\* |
| **BENCYP6P9a** | 66.42±2.23\* | 51.02±0.75\* | 59.54±5.11\* | 52.45±1.74\* | 41.22±1.54\* |
| **MALCYP6P9a** | 65.38±1.5\* | 60.48±2.65\*\* | 68.38±1.83\*\* | 75.41±1.72\* | 46.04±1.26\* |
| **FANGCYP6P9b** | 13.7±4.23 | 22.38±5.08 | 6.2±1.5 | 15.49±3.13 | 16.88±3.06 |
| **UGANCYP6P9b** | 88.58±3.48\*\* | 88.8±1.61\*\* | 62.53±4.04\*\* | 78.76±1.31\*\* | 57.91±1.55\* |
| **BENCYP6P9b** | 89.63±0.63\*\* | 89.19±1.01\*\* | 62.03±1.14\*\* | 49.35±4.41\* | 37.15±4.15\* |
| **MALCYP6P9b** | 91.6±2.5\*\* | 81.6±0.25\*\* | 81.69±2.27\*\* | 86.51±1.14\*\* | 71.59±1.42\*\* |

Values are mean ± S.D. of three replicates compared with negative control (-NADPH); \* and \*\* significantly different from FANGCYP6P9a or FANGCYP6Pbat p<0.05 or p<0.01 respectively.