S1 Table. Differentially expressed genes in aphids TEST and Ck groups.

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| --- | --- | --- | --- | --- | --- |
| Gene | log2FC(TEST/Ck) | Regulation | FDR | Significant | Transcript\_ID |
| *CYP6A14* | 2.46 | up | 0.0049 |  yes |  ACYPI064758 |
| *CYP6A13* | 1.84 | up | 1.0000 |  No |  ACYPI000619 |
| *CYP307A1* | -1.65 | down | 1.0000 |  No |  ACYPI001519 |
| *CYP6A2* | 0.01 | up | 0.9925 |  No |  ACYPI000990 |
| *CYP303A1* | 0.31 | up | 0.8577 |  No |  ACYPI003371 |
| NADH dehydrogenase | 2.52 | up | 0.0461 |  yes |  ACYPI008219 |
| NADH dehydrogenase | 1.72 | up | 0.0093 |  yes |  ACYPI31567 |
| Fatty acid synthase | 1.63 | up | 0.04719 |  yes |  ACYPI007475 |
| Fatty acid synthase | 2.24 | up | 0.0031 |  yes |  ACYPI008540 |
| Jhbp X2 | 0.52 | up | 0.6724 |  No |  ACYPI006428 |
| Jhbp | 6.84 | up | 0.5268 |  no |  ACYPI084038  |
| Ecdysone-induced protein 75 | -1.44 | down | 0.0390 |  yes |  ACYPI007773 |
| Ecdysone-induced protein 78C | -1.30 | down | 0.1472 |  no |  ACYPI002307 |