|  |  |  |
| --- | --- | --- |
| Kegg Pathways | **CP male up-regulated genes** | **CP male down-regulated genes** |
| **Olfactory transduction** | * cyclic nucleotide gated channel alpha 3
* cyclic nucleotide gated channel alpha 4
* guanylate cyclase activator 1B
* olfactory receptors
 |  |
| **Steroid hormone biosynthesis** | * cytochrome P450, family 3, subfamily a, polypeptide 23/polypeptide 1;
* cytochrome P450, family 3, subfamily a, polypeptide 73
* cytochrome P450, subfamily 11B, polypeptide 2
* cytochrome P450, subfamily 11B, polypeptide 3
* hydroxysteroid (17-beta) dehydrogenase 3
* sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring-like 1; sulfotransferase family 2A,
* dehydroepiandrosterone (DHEA)-preferring, member 2
 |  |
| **Circadian rhythm** |  | * basic helix-loop-helix family, member e41
* period homolog 2 (Drosophila)
* period homolog 3 (Drosophila)
 |

Table S2. Male CP differentially expressed genes associated with KEGG pathway analysis using DAVID.