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| --- | --- | --- |
| 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.