**Table S4**: Known zebrafishclock-controlled genes that are considered to form accessory loops of the molecular circadian oscillator. The temporal pattern of each gene, as determined usingRNA-seq, is compared to previously reported experimental data.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Previously reported experimental data | | | |  | RNA-seq of the pineal gland | | Clock controlled genes |
| References | Tissue |  | Expression peak |  | Expression peak | Temporal pattern |
| [1] | Muscle | CT6 (DD) | |  | Not identified | Not identified | *roraa* |
| [1] | Muscle | CT22 (DD) | |  | CT2 | Circadian | *rorab* |
|  |  | Not reported | |  | CT6-CT10 | Circadian | *rorca* |
| [1] | Muscle | CT22 (DD) | |  | CT22 | Circadian | *nr1d1 (reverba)* |
| [1] | Muscle | CT22 (DD) | |  | Not identified | Not identified | *nr1d2a (reverbb1)* |
| [1] | Muscle | CT22-CT2 (DD) | |  | CT22-CT2 | Circadian1 | *nr1d2b (reverbb2)* |
|  |  | Not reported | |  | CT10 | Circadian | *nfil3 (e4pb4)* |
| [2] | Embryos pineal gland | CT10-CT18 (DD) | |  | CT10 | Circadian | *nfil3-2 (e4pb4-2)* |
| [2] | Embryos pineal gland | CT10-CT14 (DD) | |  | CT10 | Circadian1 | *nfil35 (e4pb4-5)* |
| [2] | Embryos pineal gland | CT2 (LD) | |  | CT6 | Circadian | *nfil3-6 (e4pb4-5)* |
| [2] | Embryos pineal gland | CT22 (DD) | |  | CT22 | Circadian1 | *dbpa* |
| [2] | Embryos pineal gland | CT22 (DD) | |  | CT22 | Circadian | *dbpb* |
| [3] | BRF41 cells | CT2-CT6 (DD) | |  | CT22 | Circadian1 | *bhlhe40 (dec1)* |
| [3] | BRF41 cells | CT22-CT2 (DD) | |  | CT22 | Circadian1 | *bhlhe41 (dec2)* |

1These genes were also identified using the DNA microarray data

References:

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