**Figure 3-source data file 1:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Baseline** | **Amplitude** | **Phase-Shift** | **R2** |
| **PSPC1** | 76.88 | 16.47 | 0.837 | 0.798 |
| **RBM14** | 65.24 | 20.57 | 0.00250 | 0.781 |
| **Neat1** | 63.5 | 25.08 | 1.142 | 0.616 |

**Figure 3-source data file 1:** **Cosinor analysis of the rhythmic expression pattern of paraspeckle components in GH4C1 cells**: PSPC1, RBM14 protein levels and Neat1 RNA levels displayed a rhythmic pattern in GH4C1 cells that could be fitted with a non-linear sine wave equation (Y = Baseline + Amplitude \* sin (Frequency\*X  Phase-shift) in which the period value (2pi/Frequency) was constrained to the circadian period value 24h. Presented are the best-fit values obtained with a R2>0.55.