**Supplementary File 3 – Relates to Figures 5, 7, 8**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Comparisons among wild type, *nhr-23******(∆LCS)* and *let-7(n2853)*** | | | | | | | | | | | | | |
| **Transcript:** | ***nhr-23*** | | | | | | | | | | | | |
|  |  |  | | | |  | | |  | | |  |  |
|  | **Replicate 1** | | | | | | | | | | | | |
| Stage | L3 | | | | | | | | | L4 | | | |
| Genotype | wild type | *nhr-23 (∆LCS)* | | | | wild type | | | *let-7 (n2853)* | wild type | *nhr-23 (∆LCS)* | wild type | *let-7 (n2853)* |
| Amplitude | 0.4 | 1.1 | | | | 0.5 | | | 0.9 | 0.3 | 0.4 | 0.1 | 0.8 |
| Phase | 3.2 | 2.4 | | | | 3.2 | | | 3.0 | 0.4 | 3.2 | 0.04 | 3.8 |
| Rising Slope | 0.19 | 0.46 | | | | 0.15 | | | 0.71 | 0.19 | 0.21 | 0.11 | 0.26 |
| Falling Slope | 0.50 | 0.49 | | | | 0.36 | | | 0.45 | 0.21 | 0.19 | 0.20 | 0.38 |
| Peak Value | 1.78 | 2.93 | | | | 1.69 | | | 2.84 | 1.14 | 1.81 | 1.18 | 2.65 |
|  |  |  | | | |  | | |  |  |  |  |  |
|  | **Replicate 2** | | | | | | | | | | | | |
| Stage | L3 | | | | | | | | | L4 | | | |
| Genotype | wild type | *nhr-23 (∆LCS)* | | | | wild type | | | *let-7*  *(n2853)* | wild type | *nhr-23*  *(∆LCS)* | wild type | *let-7*  *(n2853)* |
| Amplitude | 0.3 | 0.4 | | | | 0.2 | | | 0.3 | 0.2 | 0.7 | 0.1 | 0.3 |
| Phase | 3.1 | 2.1 | | | | 4.5 | | | 2.0 | 5.3 | 4.0 | 4.5 | 4.8 |
| Rising Slope | 0.12 | 0.30 | | | | 0.17 | | | 0.33 | 0.11 | 0.40 | 0.05 | 0.25 |
| Falling Slope | 0.14 | 0.17 | | | | 0.10 | | | 0.14 | 0.24 | 0.39 | 0.12 | 0.19 |
| Peak Value | 1.31 | 1.57 | | | | 1.17 | | | 2.02 | 1.30 | 2.43 | 0.94 | 2.25 |
|  |  |  | | | |  | | |  |  |  |  |  |
| **Transcript:** | ***fbn-1*** | | | | | | | | | | |
|  |  |  | | | |  | | |  |  |  |
|  | **Replicate 1** | | | | | | | | | | |
| Stage | L3 | | | | | | | | L4 | | |
| Genotype | wild type | *nhr-23*  *(∆LCS)* | | | | *let-7*  *(n2853)* | | | wild  type | *nhr-23*  *(∆LCS)* | *let-7*  *(n2853)* |
| Amplitude | 1.4 | 3.0 | | | | 2.1 | | | 1.2 | 1.7 | 1.9 |
| Phase | 2.1 | 2.4 | | | | 2.8 | | | 3.6 | 2.9 | 2.9 |
| Rising Slope | 0.73 | 1.56 | | | | 1.85 | | | 0.78 | 1.45 | 2.35 |
| Falling Slope | 0.64 | 1.59 | | | | 1.02 | | | 0.60 | 1.00 | 0.91 |
| Peak Value | 3.65 | 7.15 | | | | 5.19 | | | 4.24 | 6.63 | 5.94 |
|  |  |  | | | |  | | |  |  |  |
|  | **Replicate 2** | | | | | | | | | | |
| Stage | L3 | | | | | | | | L4 | | |
| Genotype | wild type | *nhr-23*  *(∆LCS)* | | | | *let-7*  *(n2853)* | | | wild  type | *nhr-23*  *(∆LCS)* | *let-7*  *(n2853)* |
| Amplitude | 0.7 | 0.6 | | | | 0.5 | | | 0.6 | 0.8 | 0.7 |
| Phase | 2.2 | 1.5 | | | | 1.6 | | | 6.3 | 4.6 | 5.2 |
| Rising Slope | 0.33 | 0.33 | | | | 1.10 | | | 0.30 | 0.37 | 0.20 |
| Falling Slope | 0.70 | 0.70 | | | | 0.50 | | | 0.40 | 1.35 | 0.28 |
| Peak Value | 1.90 | 2.10 | | | | 1.70 | | | 2.00 | 2.90 | 1.50 |
|  |  |  | | | |  | | |  |  |  |
| **Transcript:** | ***mlt-10*** | | | | | | | | | | |
|  |  |  | | | |  | | |  |  |  |
|  | **Replicate 1** | | | | | | | | | | |
| Stage | L3 | | | | | | | | L4 | | |
| Genotype | wild type | *nhr-23*  *(∆LCS)* | | | | *let-7*  *(n2853)* | | | wild  type | *nhr-23*  *(∆LCS)* | *let-7*  *(n2853)* |
| Amplitude | 1.0 | 2.3 | | | | 2.2 | | | 1.0 | 2.8 | 2.4 |
| Phase | 5.4 | 4.9 | | | | 5.1 | | | 6.2 | 5.0 | 4.9 |
| Rising Slope | 0.46 | 1.95 | | | | 1.76 | | | 0.51 | 1.91 | 2.10 |
| Falling Slope | 0.88 | 0.95 | | | | 0.65 | | | 0.30 | 0.69 | 0.63 |
| Peak Value | 3.95 | 4.36 | | | | 4.56 | | | 1.92 | 4.31 | 5.17 |
|  |  |  | | | | | | | |  |  |
|  | **Replicate 2** | | | | | | | | | | |
| Stage | L3 | | | | | | | | L4 | | |
| Genotype | wild type | *nhr-23*  *(∆LCS)* | | | | *let-7*  *(n2853)* | | | wild  type | *nhr-23*  *(∆LCS)* | *let-7*  *(n2853)* |
| Amplitude | 0.8 | 0.9 | | | | 0.2 | | | 0.8 | 1.0 | 0.6 |
| Phase | 2.7 | 1.5 | | | | 2.8 | | | 8.6 | 6.6 | 6.3 |
| Rising Slope | 0.28 | 0.58 | | | | 0.40 | | | 0.37 | 0.45 | 0.38 |
| Falling Slope | 0.60 | 0.60 | | | | 0.23 | | | 0.38 | 0.40 | 0.35 |
| Peak Value | 1.80 | 3.20 | | | | 1.90 | | | 2.80 | 2.60 | 2.50 |
|  |  |  | | | |  | | |  |  |  |
| **Transcript:** | ***lin-42*** | | | | | | | | | | |
|  |  |  | | | |  | | |  |  |  |
|  | **Replicate 1** | | | | | | | | | | |
| Stage | L3 | | | | | | | | L4 | | |
| Genotype | wild type | *nhr-23*  *(∆LCS)* | | | | *let-7*  *(n2853)* | | | wild  type | *nhr-23*  *(∆LCS)* | *let-7*  *(n2853)* |
| Amplitude | 0.6 | 1.7 | | | | 1.5 | | | 0.8 | 1.6 | 1.2 |
| Phase | 4.5 | 3.9 | | | | 4.2 | | | 5.4 | 4.8 | 4.7 |
| Rising Slope | 0.20 | 0.93 | | | | 0.78 | | | 0.27 | 0.70 | 0.53 |
| Falling Slope | 0.30 | 0.86 | | | | 0.78 | | | 0.37 | 0.52 | 0.44 |
| Peak Value | 2.12 | 4.15 | | | | 3.88 | | | 2.50 | 3.48 | 2.94 |
|  |  |  | | | |  | | |  |  |  |
|  | **Replicate 2** | | | | | | | | | | |
| Stage | L3 | | | | | | | | L4 | | |
| Genotype | wild type | | *nhr-23*  *(∆LCS)* | | | | *let-7*  *(n2853)* | | wild type | *nhr-23*  *(∆LCS)* | *let-7*  *(n2853)* |
| Amplitude | 0.4 | | 0.6 | | | | - | | 0.6 | 0.8 | 0.7 |
| Phase | 1.9 | | 0.3 | | | | - | | 6.20 | 4.10 | 5.00 |
| Rising Slope | 0.33 | | 0.80 | | | | - | | 0.20 | 0.80 | 0.20 |
| Falling Slope | 0.48 | | 0.30 | | | | - | | 0.65 | 0.28 | 0.30 |
| Peak Value | 2.30 | | 2.50 | | | | - | | 2.00 | 2.30 | 2.10 |
|  |  |  | | | |  | | |  | | |
| **Comparisons between vector and *nhr-23(RNAi)*** | | | | | | | | | |
| **Transcript:** | ***fbn-1*** | | | | | | | | |
|  |  | | |  | | |  | |  |
| Stage | L3 | | | | | | L4 | | |
| RNAi | mock | | | *nhr-23*  *(RNAi)* | | | mock | | *nhr-23*  *(RNAi)* |
| Amplitude | 0.7 | | | 0.2 | | | 1.0 | | 0.2 |
| Phase | 2.0 | | | 2.0 | | | 1.9 | | 2.1 |
| Rising Slope | 0.68 | | | 0.14 | | | 0.40 | | 0.30 |
| Falling Slope | 0.21 | | | 0.15 | | | 0.42 | | 0.12 |
| Peak Value | 1.85 | | | 0.90 | | | 2.80 | | 1.20 |
|  |  | | |  | | |  | |  |
| **Transcript:** | ***mlt-10*** | | | | | | | | |
|  |  | | |  | | |  | |  |
| Stage | L3 | | | | | | L4 | | |
| RNAi | mock | | | *nhr-23*  *(RNAi)* | | | mock | | *nhr-23*  *(RNAi)* |
| Amplitude | 0.7 | | | 0.5 | | | 0.7 | | 0.5 |
| Phase | 5.9 | | | 6.1 | | | 4.9 | | 4.9 |
| Rising Slope | 0.36 | | | 0.08 | | | 0.40 | | 0.10 |
| Falling Slope | 0.58 | | | 0.20 | | | 0.33 | | 0.15 |
| Peak Value | 2.10 | | | 0.80 | | | 1.90 | | 0.80 |
|  |  | | |  | | |  | |  |
| **Transcript:** | ***lin-42*** | | | | | | | | |
|  |  | | |  | | |  | |  |
| Stage | L3 | | | | | | L4 | | |
| RNAi | mock | | | *nhr-23*  *(RNAi)* | | | mock | | *nhr-23*  *(RNAi)* |
| Amplitude | 0.7 | | | 0.5 | | | 0.6 | | 0.2 |
| Phase | 3.2 | | | 5.3 | | | 4.8 | | 4.1 |
| Rising Slope | 0.35 | | | 0.15 | | | 0.60 | | 0.10 |
| Falling Slope | 0.33 | | | 0.25 | | | 0.50 | | 0.15 |
| Peak Value | 2.10 | | | 1.30 | | | 1.80 | | 0.70 |
|  |  | | |  | | |  | |  |
| **Comparisons among wild type, *nhr-23(aaa20)* and *mir-48 mir-241(nDf51); mir-84(n4037)*** | | | | | | | | |
| **Transcript:** | ***nhr-23*** | | | | | | | |
|  |  | | |  | | |  | |
| Stage | L2 | | | | | | | |
| Genotype | wild type | | | | *nhr-23 (∆LCS)* | | | *mir-48  mir-241*  *(nDf51);  mir-84*  *(n4037)* |
| Amplitude | 0.7 | | | | 1.6 | | | 0.6 |
| Phase | 1.8 | | | | 2.0 | | | 1.6 |
| Rising Slope | 0.38 | | | | 1.64 | | | 1.10 |
| Falling Slope | 0.39 | | | | 2.00 | | | 0.21 |
| Peak Value | 2.20 | | | | 5.10 | | | 2.60 |
|  |  | | | |  | | |  |