

Description of Additional Supplementary Files

Supplementary Data 1. Transcriptional profile of CIN brains: list of genes (related to Figure 5) Excel file containing the list of genes upregulated or downregulated in CIN brains when compared to controls with the corresponding fold changes and statistical parameters.

Supplementary Data 2. Transcriptional profile of CIN and trisomic brains: Gene set enrichment analysis (related to Figure 5) Excel file containing the list of GO and KEGG pathways upregulated or downregulated in CIN brains when compared to controls with the corresponding fold changes and statistical parameters, and the total list of existing GO and KEGG pathways with the corresponding fold changes and statistical parameters in CIN and trisomic brains when compared to their corresponding experimental controls (see Materials and Methods for details). NES analysis of trisomy of the X (CDXX) and 2L (T2L) was performed before (original values) or after normalization per chromosome (see Materials and Methods for details).

Supplementary Data 3. Transcriptional profile of CIN brains: list of genes within GOs and KEGGs (related to Figure 5) Excel file containing the list of genes of each of the GOs and KEGGs upregulated or downregulated in CIN brains when compared to controls with the corresponding fold changes and statistical parameters.

Supplementary Data 4 Key resources table. Table containing the list of reagents, chemicals, fly strains and software programs used in this work.