**WORMBASE – NEMATODE BIOLOGY AND GENOMES**

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**WormBase www.wormbase.org**

WormBase is the major public online database resource for the Caenorhabditis community. The database was developed primarily for the nematode C. elegans but expanded to host genomes and biological data from other closely related nematode species including C. briggsae, C. remanei, C. brenneri, C. japonica and Pristionchus pacificus. WormBase has developed tools to mine the data held within the database and compare the hosted species. Over the years we have developed a variety of curation pipelines which often begin in a “first-pass” literature curation step. This involves a brief overview of the literature before directing it to specialised data curators who extract all relevant information. Curators focus on particular data types or experimental techniques such as gene structure changes (see the Sequence curation poster), variations, phenotypes or RNAi and their expertise in these fields make curation efficient. WormBase works with many other groups and consortia to validate, process and integrate both large and small scale data resources. WormBase also provides data that will be of interest to the wider biomedical and bioinformatics communities allowing researchers to utilise the information and techniques offered by nematodes to study wider aspects including medicine and disease.