

Analysis of Expressed Sequence Tags of the Firefly,
Pyrocoelia rufa

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We have constructed cDNA library from the larvae whole body of the firefly, *Pyrocoelia rufa*. Single direct partial sequencing of anonymous cDNA clones was performed to obtain genetic information on the firefly *P. rufa* of which genetic information is currently not available. This expressed sequence tags (EST) analysis revealed 54 clones (54%) had significant homologies to known genes in GenBank. Of these clones, twenty-four are related to known insect genes, but the clones were not matched to previously identified firefly genes. Putative functional categories of these clones showed that the most abundant genes were involved in gene expression and that the next abundant genes were associated with energy metabolism.