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(54) **Title:** METHOD OF MONITORING RETINOPATHY

(57) **Abstract:** There is presently provided methods of monitoring retinopathy in a live transgenic, non-human animal, the methods comprising providing a live transgenic non-human animal having a retinal pathology or a pre-disposition for a retinal pathology, wherein a nucleic acid molecule encoding a fluorescent protein under control of a GFAP promoter is integrated into the genome of the transgenic non-human animal; and detecting *in vivo* in the retinal glia of the transgenic non-human anhnal fluorescence levels of the fluorescent protein.

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