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(54) Title: COMPOSITIONS FOR MITOPHAGY INDUCTION AND USES THEREOF

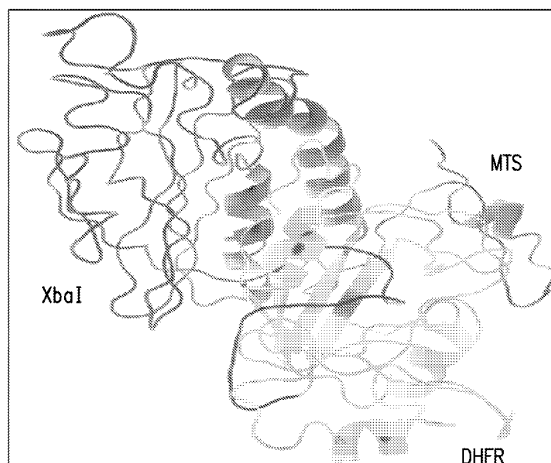


FIG.2

(57) Abstract: Polypeptides having a mitochondrial targeting sequence (MTS), an endonuclease sequence, and a destabilizing domain sequence; nucleic acids encoding same; uses of the polypeptides and nucleic acids to induce mitophagy, increase mitochondrial turnover, and/or induce double strand breaks in mitochondrial DNA in a cell; and therapeutic applications of the foregoing, for example in the treatment of mitochondrial diseases and disorders.

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