

[Mouse Models](#)[FXTAS](#)[Publication](#)

?5'UTR FMR1 (CGG)99

IDENTIFICATION

| | |
|-------------------------|--|
| Causal gene(s) | FMR1 |
| Repeat size or mutation | Full human FMR1 5'UTR with 99 expanded CGG expressing only CGG RNA |
| Animal model | Mouse |

MODEL DETAILS

| | |
|---------------|------------|
| Type of model | Transgenic |
|---------------|------------|

TRANSGENIC CONSTRUCT

| | |
|-------------------------------------|--|
| Transgenic construct: sequence type | Full human FMR1 5'UTR with 99 expanded CGG expressing only CGG RNA and not the FMRpolyG protein |
| Transgenic construct: details | Full human FMR1 5'UTR with 99 expanded CGG expressing only CGG RNA and not the FMRpolyG protein with CAG promoter inserted in Rosa26 locus |
| Promoter: gene | CAG |

SOURCE & PUBLICATIONS

| | |
|---|--|
| Originating lab / institution | Institut de Génétique et de Biologie Moléculaire et Cellulaire (IGBMC) |
| Links to publications or public resources | Translation of Expanded CGG Repeats into FMRpolyG Is Pathogenic and May Contribute to Fragile X Tremor Ataxia Syndrome - PubMed https://pubmed.ncbi.nlm.nih.gov/28065649/ |