

# Supplementary Material: *FOX01*

November 4, 2025

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**Table S1** Chemicals, reagents and kits used

| <b>Name</b>   | <b>Catalogue no.</b> | <b>Company</b>          |
|---|----------------------|-------------------------|
| Advanced DMEM/F-12                                  | 12634010             | Gibco                   |
| Accutase  | A1110501             | Gibco                   |
| DMEM F12 (1X)                                       | 313230-038           | Gibco                   |
| DMSO  | D12345               | Invitrogen              |
| DPBS  | 14040117             | ThermoFisher Scientific |
| Essential 8 Flex Medium Kit                         | A2858501             | Gibco                   |
| Fetal Bovine Serum                                  | 0010                 | ScienCell               |
| Geltrex   | A1413302             | ThermoFisher Scientific |
| iScript cDNA Synthesis Kit                          | 1708890              | Bio-Rad                 |
| Neurobasal Medium                                   | 21103-049            | Gibco                   |
| Neural Induction Medium                             | A1647801             | Gibco                   |
| Neural Induction Supplement                         | A1647801             | ThermoFisher Scientific |
| NucBlue Live ReadyProbes Reagent<br>(Hoechst 33342) | R37605               | Invitrogen              |
| Paraformaldehyde (PFA)                              | J19943.K2            | ThermoFisher Scientific |
| PBS pH 7.4 (1X)                                     | 10010023             | Gibco                   |
| ReliaPrep RNA Clean-Up kit                          | Z1071                | Qiagen                  |
| RNeasy Plus Mini Kit                                | 74134                | Qiagen                  |
| Triton X-100  | 8c0147147            | PanReac AppliChem       |
| Trypan Blue   | T10282               | Invitrogen              |
| Y-27632, ROCK inhibitor                             | 72302                | Stemcell                |

**Table S2** Scientific Instruments

| <b>Name</b>                | <b>Company</b>                            |
|----------------------------|---|
| AxioObserver Z1 microscope | Zeiss                                     |
| Centrifuge                 | VMR, Mega Star 1.6R                       |
| CFX384 thermal cycler      | Bio-Rad                                   |
| Mr. Frosty                 | Sigma-Aldrich                             |
| Multimode Reader           | Berthold technologies, Mitras-2 LB<br>943 |
| Nanodrop                   | ThermoFisher Scientific                   |
| IX81 microscope            | Olympia                                   |

**Table S3** qPCR primers used

| <b>Primer</b> | <b>Company</b> |
|---------------|----------------|
| ACTB          | Qiagen         |
| C5orf18       | Qiagen         |
| GAPDH         | Qiagen         |
| FOXG1         | Qiagen         |
| GAD1          | Qiagen         |
| MAP2          | Qiagen         |
| SLC17A6       | Qiagen         |

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**Table S3** (continued)

| <b>Primer</b> | <b>Company</b> |
|---------------|----------------|
| TPH1          | Qiagen         |