

 $\begin{tabular}{ll} \textbf{Supplementary information, Figure S1} & \textbf{Retinal stem cell lines express different levels of M\"{u}ller cell} \\ & \textbf{markers.} \\ \end{tabular}$

3 B6 (A-C) and 2 CD1 (D and E) cell lines are analyzed for GS (green) and GFAP (red) expression. The CD1-4 cell line has very low GS and GFAP expression. B6-5 cell line only expresses GS and no GFAP. The other three cell lines express different levels of GFAP and GS. For the B6-5 cell line, GS is mainly located in the nuclei, different from the other 4 cell lines with equal distribution in the cytoplasm and nuclei.