**Description of datasets:**

1. **FB\_clean\_taged\_2.h5ad:** H5ad file of pre-filtered, tagged cells derived from single-cell RNA sequencing of primary foetal fibroblasts isolated from human hearts. This data was analysed using the codes inserted in the Appendix A and the data was exposed in Chapter 3 of the PhD thesis entitled: “Investigating the role of NR2F2 in fibroblast during human heart development”.
2. **CRISPR\_clean\_taged.h5ad:** H5ad file of pre-filtered, tagged cells derived from single-cell RNA sequencing of primary foetal fibroblasts isolated from human hearts and MRC-5 cell line, after submitted to gene editing in *NR2F2* gene loci using CRISPR/Cas9 method. This data was analysed using the codes inserted in the Appendix C and the data was exposed in Chapter 6 of the PhD thesis entitled: “Investigating the role of NR2F2 in fibroblast during human heart development”.