

Description of Additional Supplementary Files

Supplementary Data 1. Cluster gene lists for D29 after batch-correction (representative line: ThF)

Supplementary Data 2. Table of cell-cycle genes

Supplementary Data 3. Random forest gene lists

Supplementary Data 4: Cluster gene lists for iPSC after batch-correction (representative line: AS)

Supplementary Data 5. Table of germ layer signatures

Supplementary Data 6. Cluster gene lists for D7 after batch-correction (representative line: AS)

Supplementary Data 7. Cluster gene lists for D15 after batch-correction (representative line: ThF)

Supplementary Data 8. Cluster gene lists for joint D0,D7, D15 after batch-correction (representative line: ThF)

Supplementary Data 9. Table of kidney disease genes with references

Supplementary Data 10. Cluster gene lists for joint D29, D32, D51 after batch-correction (line: ThF)

Supplementary Data 11. Cluster gene lists for D32 transplanted organoid (line: ThF)