

Description of Additional Supplementary Files

Supplementary Data 1: List of pseudotime dependent genes along the differentiation trajectory from isthmus progenitor cells to pit cells in dataset 2

Supplementary Data 2: List of pseudotime dependent genes along the differentiation trajectory from isthmus progenitor cells to pit cells in dataset 1

Supplementary Data 3: List of pseudotime dependent genes along the differentiation trajectory from isthmus progenitor cells to neck cells in dataset 2

Supplementary Data 4: List of pseudotime dependent genes along the differentiation trajectory from isthmus progenitor cells to neck cells in dataset 1

Supplementary Data 5: List of pseudotime dependent genes along the differentiation trajectory from isthmus progenitor cells to parietal cells in dataset 2

Supplementary Data 6: List of the pseudotime dependent transcription factors in dataset 2

Supplementary Data 7: List of the pseudotime dependent transcription factors in dataset 1