A. Night tSNE Projection (n=7,940)

α-Microglia

α-Pinealocyte

VLMCs

β-Astrocyte

α-Astrocyte

γ-Astrocyte

Endothelial

β-Microglia

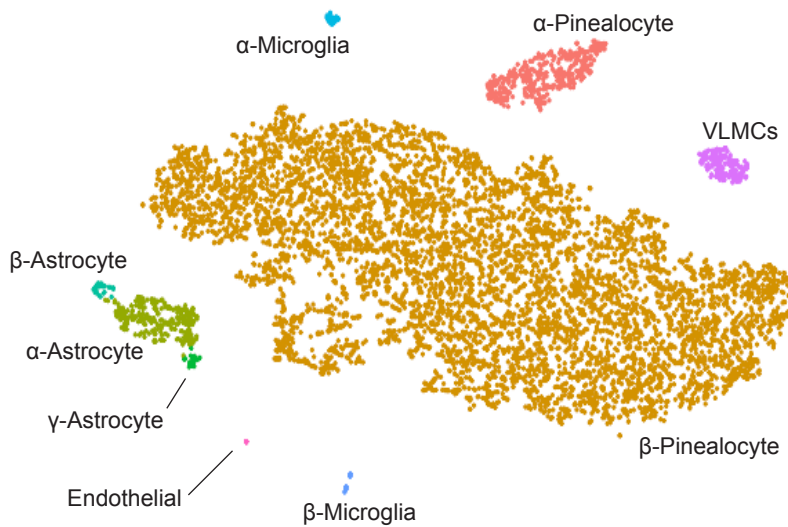β-Pinealocyte

S24 Fig. Transcriptomic characterization of nighttime pineal gland, batch effects, and QC. (A) tSNE visualization of 7,940 nighttime rat pineal gland cells profiled by scRNA-seq. The same cell types and proportions were found as in the daytime cell samples (Figure 1). **(B-C)** tSNE visualization of daytime and nighttime cells, color coded by sample batch. The generally even distribution of sample batches indicates a lack of strong batch effects. **(D)** Violin plots showing the distribution of UMI and genes detected per cell across cell types and conditions.

B.

tSNE_2

Day

Sample 1
Sample 2

tSNE_1

C.

tSNE_2

Night

Sample 1
Sample 2

tSNE_1

D.

Number of UMIs per Cell

Number of Genes per Cell

Treatment
Day
Night

α-Pinealocyte
β-Pinealocyte
α-Astrocyte
β-Astrocyte
γ-Astrocyte
α-Microglia
β-Microglia
VLMCs
Endothelial