A

Plus strand

Scrambled ASO
7SK 5' ASO
7SK 3' ASO

< Nr4a2

Minus strand

Scrambled ASO
7SK 5' ASO
7SK 3' ASO

57,108,000   57,112,000   57,116,000   57,120,000   57,124,000

B

sequence-specific DNA binding
cell morphogenesis involved in neuron differentiation
neuron projection morphogenesis
multicellular organismal process
sequence-specific DNA binding transcription factor activity
axonogenesis
transcription from RNA polymerase II promoter
nucleic acid binding transcription factor activity
regulation of transcription from RNA polymerase II promoter
neuron development
nervous system development

0   1   2   3   4
-log10(Adjusted P Value)

Supplementary Figure 2
(a) Ensembl genome browser screenshot showing normalized RNA-seq read coverage (mean of the two biological replicates) at the *Nr4a2* (*Nurr1*) locus. Plus (green) and minus (blue) strand reads are displayed in separate tracks.
(b) Gene ontology terms associated with 7SK-regulated genes. Enrichment *P*-values were adjusted using the Benjamini and Hochberg multiple testing correction method.