

Table S2 – Resources

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Bacterial and Virus Strains		
AAV1.Syn.GCaMP6f.WPRE.SV40	UPenn Vector Core	Lot # v38077; https://www.addgene.org/100837/#100837-AAV1
Deposited Data		
Experimental Models: Organisms/Strains		
C57BL/6J mice	Jackson Laboratory	Cat#000664; RRID:SCR_004633; https://www.jax.org/index.html
Software and Algorithms		
MATLAB	Mathworks	https://www.mathworks.com/products/matlab/ ; RRID:SCR_001622
Prairie View 5.4	Bruker	https://www.bruker.com/
CNMF-E	GitHub	https://github.com/zhoup/cnfmf_e
Suite2p	(Pachitariu et al., 2017)	https://github.com/MouseLand/suite2p
Scikit-learn (Python)	(Pedregosa et al., 2011)	https://scikit-learn.org
CellReg	(Sheintuch et al., 2017)	https://github.com/zivlab/CellReg
NoRMCorre	(Pnevmatikakis and Giovannucci, 2017)	https://github.com/flatironinstitute/NoRMCorre
Illustrator	Adobe	https://www.adobe.com/products/illustrator.html ; RRID:SCR_010279
Python (2.7)	Jupyter	https://jupyter.org/
SciPy	(Virtanen et al., 2020)	https://scipy.org/
BioRender	BioRender	https://biorender.com/
CoolTerm	CoolTerm	https://coolterm.en.lo4d.com/windows
Other		
Mouse brain atlas	(Paxinos and Franklin, 2019)	The Mouse Brain in Stereotaxic Coordinates, 5th Edition