

Location (abbreviation)	AAV-Cre (serotype)	AAV-Cre (dilution)	Coordinates (A/P), (M/L)	Coordinates (depth)
MO	2/1	1:15-60k	+2.5, +1.5	-0.9, -0.4
			+1.5, +1.5	-0.9, -0.4
			+1.5, +2.5	-0.9, -0.6, -0.3
			+2.3, +1.2	-0.9, -0.4
			+1.4, +0.8	-0.8, -0.3
SUBd	2/1	1:30-60k	-3.6, +2.5	-1.5
			-3.05, +1.5	-1.5, -1.4
			-3.8, +2.5	-1.85
			-3.2, +1.6	-1.6
ANT	2/5	1:20-45k	-0.6, -0.8	-2.4
			-0.7, -0.6	-3.2, -2.7
VAL	2/5	1:20-45k	-1.8, -0.6	-4.1
			-0.95, -1.2	-3.4, -2.9
			+1.4, -0.8	-4.0, -3.5
PVH	2/5	1:20-45k	-0.75, -0.3	-5.0
PLH	2/5	1:20-45k	-0.95, -1.1	-4.4

Table S1. List of viral injection coordinates. Related to Figure 1.

Brains	Delipidation	RI matching	IHC	Viral injections	Reconstructed neurons
2014-06-24	Cubic R1	D-Sorbitol	No	3	48
2015-06-19	Cubic R1	D-Sorbitol	No	2	15
2015-07-11	Cubic R1	D-Sorbitol	No	2	25
2016-04-04	Cubic R1	D-Sorbitol	No	4	17
2016-07-18	Cubic R1	D-Sorbitol	No	2	13
2016-10-25	Cubic R1	D-Sorbitol	No	4	23
2016-10-31	Cubic R1	D-Sorbitol	No	5	31
2017-01-15	Cubic R1	D-Sorbitol	No	5	19
2017-02-22	Cubic R1	D-Sorbitol	No	6	14
2017-04-19	Cubic R1	D-Sorbitol	No	6	22
2017-05-04	Cubic R1	D-Sorbitol	No	5	31
2017-06-10	Cubic R1	D-Sorbitol	Yes	6	19
2017-06-28	Cubic R1	D-Sorbitol	No	6	48
2017-08-10	Cubic R1	D-Sorbitol	No	2 ^a	11
2017-09-11	Adipo-Clear	D-Sorbitol	Yes	5	24
2017-09-19	Adipo-Clear	D-Sorbitol	Yes	5	40
2017-09-25	Adipo-Clear	D-Sorbitol	Yes	5	55
2017-11-17	Adipo-Clear	OptiPrep	Yes	5	62
2018-03-09	Adipo-Clear	OptiPrep	Yes	5	57
2018-04-03	Adipo-Clear	OptiPrep	Yes	5	7
2018-04-13	Adipo-Clear	OptiPrep	Yes	5	144
2018-05-23	Adipo-Clear	OptiPrep	Yes	5	24
2018-06-14	Adipo-Clear	OptiPrep	Yes	5	14
2018-07-02	Adipo-Clear	OptiPrep	Yes	5	154
2018-08-01	Adipo-Clear	OptiPrep	Yes	1 ^b	176

^a Rorb-Cre-1 animal.

^b Sim1-Cre animal.

Table S2. List of imaged brains. Related to Figure 1.