

Table 1. Percentage of total PRV labeled SNS neurons innervating IBAT, IWAT, and both fat depots. The percentage values were averaged across hamsters (n=7) and presented in tabular form as means \pm SE. Values that do not share a common superscript are significantly different at $p < 0.05$.

	% of IBAT SNS Neurons	% of IWAT SNS Neurons	% of IBAT + IWAT	Total Mean of All PRV Labeled SNS Neurons
Hindbrain				
7N	37.8 \pm 7.6	31.1 \pm 7.3	31.1 \pm 3.9	58.7 \pm 11.4
10N	39.6 \pm 10.1	37.9 \pm 9.7	22.6 \pm 2.6	95.7 \pm 19.5
12N	37.6 \pm 9.5 ^A	52.7 \pm 12.0 ^A	9.8 \pm 3.8 ^B	42.3 \pm 8.3
A5	38.7 \pm 8.5	29.4 \pm 6.1	31.9 \pm 3.4	61.4 \pm 15.0
AP	40.7 \pm 11.6	38.0 \pm 12.2	21.3 \pm 2.1	58.4 \pm 8.2
Bar	33.1 \pm 7.2	25.3 \pm 6.2	41.6 \pm 4.0	42.9 \pm 9.1
Gi	37.4 \pm 3.7 ^A	42.5 \pm 5.2 ^A	20.1 \pm 2.6 ^B	252.6 \pm 45.9
DPGi	38.2 \pm 2.9 ^A	35.2 \pm 3.0 ^A	26.6 \pm 2.3 ^B	63.6 \pm 14.6
GiA	29.1 \pm 7.3	25.5 \pm 4.9	45.4 \pm 3.8	163.0 \pm 39.8
GiV	38.2 \pm 6.9	27.3 \pm 6.4	34.5 \pm 1.7	114.1 \pm 41.3
LPGi	40.4 \pm 8.4	28.8 \pm 8.4	30.8 \pm 1.0	291.6 \pm 61.0
IRt	43.4 \pm 5.6 ^A	36.44 \pm 5.6 ^A	20.2 \pm 2.1 ^B	209.1 \pm 13.9
KF	47.7 \pm 11.5	19.7 \pm 4.9	32.6 \pm 7.8	14.6 \pm 6.5
LC	26.5 \pm 6.6	28.9 \pm 8.3	44.6 \pm 3.3	136.7 \pm 23.1
Li	42.8 \pm 4.9 ^A	35.3 \pm 5.9 ^A	22.0 \pm 2.7 ^B	36.0 \pm 8.6
LRt	40.3 \pm 8.6	28.0 \pm 8.4	31.8 \pm 1.3	486.3 \pm 54.7
MdD	51.4 \pm 10.3	27.4 \pm 8.7	21.3 \pm 2.3	220.1 \pm 23.1
MdV	41.0 \pm 3.3 ^A	36.8 \pm 3.9 ^A	22.3 \pm 1.6 ^B	176.1 \pm 29.1
Mo5	51.8 \pm 13.5	20.0 \pm 8.9	28.3 \pm 7.6	36.6 \pm 14.5
NTS				
SolC	45.3 \pm 10.3	32.8 \pm 10.1	22.0 \pm 1.0	113.1 \pm 14.1
SolCE	43.2 \pm 12.6	35.6 \pm 15.3	21.3 \pm 6.0	13.0 \pm 5.3
SolDL	37.7 \pm 9.4	30.2 \pm 10.1	32.1 \pm 4.6	101.0 \pm 8.4
SolG	38.5 \pm 10.6	34.6 \pm 11.9	26.9 \pm 1.9	74.3 \pm 9.0
SolI	40.4 \pm 10.0	30.5 \pm 10.4	29.1 \pm 4.5	22.0 \pm 2.9
SolIM	39.4 \pm 8.4	31.0 \pm 9.4	29.6 \pm 1.4	57.7 \pm 6.6
SolM	42.4 \pm 10.6	33.4 \pm 11.1	24.2 \pm 1.9	91.7 \pm 14.8
SolV	43.1 \pm 9.7	31.9 \pm 9.5	25.0 \pm 2.8	54.1 \pm 5.9
SolVL	47.6 \pm 11.6	28.9 \pm 10.6	23.5 \pm 2.5	107.3 \pm 7.5
PCRt/A	45.4 \pm 3.1 ^A	36.3 \pm 3.3 ^A	18.3 \pm 2.0 ^B	99.9 \pm 18.9

	% of IBAT SNS Neurons	% of IWAT SNS Neurons	% of IBAT + IWAT	Total Mean of All PRV Labeled SNS Neurons
PMn	33.1 ± 6.3	34.1 ± 3.8	32.8 ± 3.9	199.3 ± 29.6
Parabrachial Areas				
LPB	52.0 ± 18.3	27.1 ± 9.5	20.9 ± 8.9	14.0 ± 7.7
LPBC	48.6 ± 14.6	37.4 ± 18.2	14.0 ± 5.6	13.9 ± 8.2
LPBV	44.1 ± 12.8	38.9 ± 9.3	17.0 ± 6.3	25.4 ± 8.9
MPB	37.0 ± 6.7	29.8 ± 5.2	33.2 ± 4.9	54.6 ± 10.1
Doral Raphe Areas				
PMnR	46.6 ± 10.7	37.2 ± 8.9	16.1 ± 5.2	13.1 ± 4.4
RC	42.3 ± 8.4	30.7 ± 8.7	27.0 ± 5.0	93.0 ± 13.3
RLi	42.4 ± 12.7	43.4 ± 18.9	20.4 ± 5.4	7.0 ± 2.4
RMg	35.2 ± 9.9	26.6 ± 6.7	38.2 ± 3.6	138.9 ± 29.9
ROb	35.9 ± 8.1	28.7 ± 7.1	35.5 ± 2.5	178.4 ± 16.6
RPa	44.0 ± 7.4 ^A	17.9 ± 5.1 ^B	38.1 ± 3.1 ^A	132.1 ± 18.3
rs	40.0 ± 8.5	30.4 ± 8.1	29.5 ± 1.3	310.9 ± 17.9
RVL/C1	34.8 ± 8.1	36.0 ± 9.7	29.2 ± 2.5	119.1 ± 33.0
SubCD	39.0 ± 7.4	28.7 ± 4.8	32.3 ± 4.5	67.7 ± 15.6
SubCV	39.9 ± 8.3	23.3 ± 7.9	36.8 ± 4.2	81.0 ± 20.0
vsc	42.2 ± 8.5	30.7 ± 7.7	27.1 ± 2.1	359.3 ± 38.1
Midbrain				
Atg	42.8 ± 19.7	41.7 ± 15.0	15.6 ± 8.6	6.3 ± 1.8
CnF	42.6 ± 8.7	35.0 ± 9.4	22.4 ± 3.8	41.4 ± 7.9
Dk	44.1 ± 8.6	28.6 ± 7.8	27.3 ± 2.8	29.3 ± 7.8
DMTg	51.3 ± 7.0 ^A	30.4 ± 7.6 ^B	18.4 ± 4.5 ^B	26.3 ± 8.3
DpMe	41.7 ± 10.8	40.9 ± 12.0	17.4 ± 3.9	55.0 ± 9.2
DPO	22.8 ± 6.1	39.1 ± 7.0	38.1 ± 2.9	38.1 ± 17.2
DpWh	47.4 ± 14.7	27.0 ± 14.8	25.6 ± 9.7	8.9 ± 2.7
EW	51.5 ± 13.3	31.3 ± 11.0	17.2 ± 4.6	12.1 ± 3.1
LDTg	41.8 ± 8.6	32.9 ± 11.0	25.3 ± 5.7	73.1 ± 25.8
LDTg/-V	51.1 ± 7.6	24.0 ± 8.9	24.9 ± 8.9	16.9 ± 6.2
MA3	43.5 ± 9.8	43.9 ± 13.2	12.6 ± 5.7	8.0 ± 2.3
mlf	46.9 ± 9.0	30.7 ± 8.5	22.4 ± 2.3	139.4 ± 14.3

	% of IBAT SNS Neurons	% of IWAT SNS Neurons	% of IBAT + IWAT	Total Mean of All PRV Labeled SNS Neurons
PAG	39.7 ± 9.3	31.5 ± 9.9	28.9 ± 6.0	645.9 ± 137.2
PL	35.9 ± 10.1	23.9 ± 9.3	40.3 ± 5.5	36.9 ± 8.9
PnC	30.7 ± 4.4 ^A	49.4 ± 6.5 ^B	19.9 ± 2.5 ^A	66.6 ± 11.1
PnO	39.1 ± 6.6 ^A	42.0 ± 6.3 ^A	18.9 ± 2.9 ^B	71.0 ± 15.2
PnR	32.2 ± 6.9	39.6 ± 8.6	25.2 ± 6.0	11.3 ± 3.0
PnV	42.0 ± 4.9 ^A	36.2 ± 6.6 ^{AB}	21.8 ± 2.6 ^B	16.1 ± 3.6
PPTg	41.2 ± 7.8	33.5 ± 7.6	25.3 ± 3.3	141.6 ± 24.1
pv	40.4 ± 27.1	39.2 ± 27.5	20.5 ± 0.5	8.3 ± 6.2
RMC/scp	37.8 ± 7.8 ^A	46.7 ± 6.7 ^A	15.6 ± 5.2 ^B	64.1 ± 16.9
RPC/scp	32.6 ± 6.0 ^A	57.2 ± 6.3 ^A	10.2 ± 4.8 ^B	7.9 ± 3.0
RPF	38.0 ± 10.0 ^A	51.1 ± 10.5 ^A	10.9 ± 5.2 ^B	16.3 ± 5.4
RRF/A8	39.5 ± 9.5	39.2 ± 9.0	21.4 ± 2.3	35.0 ± 9.8
RtTg	22.3 ± 6.7 ^A	67.6 ± 8.7 ^B	10.1 ± 5.8 ^{AC}	20.3 ± 6.1
SN	43.5 ± 9.5	33.8 ± 9.3	22.7 ± 3.4	57.1 ± 4.5
Su3/C	46.4 ± 8.2 ^A	32.5 ± 5.9 ^{AB}	21.0 ± 3.4 ^B	138.9 ± 26.4
Su5	58.7 ± 2.9 ^A	17.1 ± 4.6 ^B	24.3 ± 3.9 ^B	31.9 ± 8.9
VLTg	37.4 ± 6.3	33.8 ± 7.4	28.8 ± 4.8	30.1 ± 10.2
VTA	45.6 ± 5.3	28.8 ± 5.8	25.6 ± 6.3	126.3 ± 31.2
Forebrain				
<i>Hypothalamic</i>				
AH	42.7 ± 10.4	39.7 ± 10.5	17.7 ± 2.0	101.1 ± 15.0
Arc	48.2 ± 9.4	29.9 ± 9.2	21.9 ± 3.5	55.0 ± 6.9
DM	43.6 ± 8.8	32.2 ± 4.8	24.2 ± 5.7	177.9 ± 21.9
DMC	55.1 ± 13.2	27.0 ± 9.9	18.0 ± 6.0	29.3 ± 11.3
DMD	43.8 ± 11.6	22.7 ± 6.9	33.5 ± 12.4	54.4 ± 24.2
DMV	58.4 ± 11.6	24.9 ± 11.6	16.7 ± 1.3	27.9 ± 11.6
DTM	54.8 ± 16.8	15.0 ± 10.5	30.2 ± 12.5	11.4 ± 3.8
LA	48.3 ± 17.8	36.5 ± 14.7	15.2 ± 7.8	11.0 ± 3.9
LH				
proper/mfb	47.1 ± 8.2	29.7 ± 6.3	23.3 ± 3.9	272.6 ± 18.1
subZI	42.4 ± 8.9	33.5 ± 6.7	24.2 ± 3.9	84.4 ± 9.9
Pe	38.1 ± 10.6	44.7 ± 11.0	17.2 ± 2.4	126.1 ± 6.7
AVPe	41.2 ± 8.9	38.3 ± 7.4	20.6 ± 4.0	17.1 ± 5.3
PH	53.6 ± 8.5 ^A	24.9 ± 7.3 ^B	21.6 ± 6.1 ^B	51.6 ± 23.6
<i>Preoptic Areas</i>				
LPO	42.9 ± 9.0	34.5 ± 7.3	22.6 ± 2.2	62.7 ± 6.9
MnPO	56.6 ± 0.6	26.3 ± 2.3	17.1 ± 2.9	5.6 ± 3.5
	% of IBAT SNS Neurons	% of IWAT SNS Neurons	% of IBAT + IWAT	Total Mean of All PRV Labeled SNS

	Neurons			
MPA	42.9 ± 8.4	33.2 ± 7.6	23.9 ± 2.7	137.4 ± 35.3
MPOC	42.3 ± 11.3	46.4 ± 12.7	11.3 ± 4.2	4.9 ± 0.6
MPOL	45.2 ± 12.5	35.8 ± 10.2	19.0 ± 2.5	25.3 ± 6.2
MPOM	45.1 ± 8.8	34.1 ± 7.8	20.0 ± 2.5	124.7 ± 15.9
PVH				
PaAP	51.2 ± 14.7	24.5 ± 11.1	24.3 ± 6.3	26.1 ± 11.0
PaDC	39.2 ± 8.9	37.5 ± 6.6	23.3 ± 3.9	33.1 ± 5.0
PaLM	41.0 ± 6.6	31.3 ± 6.8	27.7 ± 2.3	69.4 ± 6.3
PaMM	37.7 ± 6.5 ^A	43.5 ± 6.4 ^A	18.8 ± 2.6 ^B	88.1 ± 5.1
PaMP	36.5 ± 6.5	41.9 ± 7.8	21.6 ± 3.6	90.9 ± 3.3
PaPo	48.4 ± 8.2 ^A	32.7 ± 6.6 ^{AB}	18.9 ± 3.4 ^B	71.9 ± 22.3
PaV	40.2 ± 5.5 ^A	42.1 ± 7.9 ^A	17.7 ± 4.1 ^B	17.1 ± 5.8
RCh	57.3 ± 17.9	27.8 ± 14.5	14.9 ± 5.5	8.1 ± 2.6
SPa	37.0 ± 8.6 ^A	48.1 ± 7.4 ^A	15.0 ± 3.4 ^B	16.6 ± 3.4
SCh	37.0 ± 12.6	43.4 ± 13.1	19.6 ± 8.0	39.1 ± 7.4
VMH	54.7 ± 8.8 ^A	17.5 ± 9.6 ^B	27.8 ± 6.5 ^{AB}	13.7 ± 5.0
VMHC	47.2 ± 14.7	32.6 ± 11.7	20.2 ± 7.0	11.4 ± 3.4
VMHDM	43.1 ± 10.9	34.8 ± 11.6	22.1 ± 7.9	26.6 ± 7.5
VMHVL	38.6 ± 9.8	31.8 ± 9.3	29.6 ± 4.3	15.6 ± 2.9
<i>Thalamic</i>				
PF	53.1 ± 4.8	21.4 ± 10.7	25.5 ± 7.3	17.7 ± 9.2
Re	43.9 ± 8.7	35.4 ± 5.0	20.7 ± 4.7	101.4 ± 25.9
VRe	37.1 ± 7.1	35.6 ± 8.0	27.3 ± 7.4	21.3 ± 5.1
Xi	53.5 ± 12.0 ^A	35.3 ± 9.2 ^{AB}	11.3 ± 2.9 ^B	25.1 ± 7.4
<i>Other forebrain areas</i>				
BST	40.0 ± 11.9	32.2 ± 9.1	27.8 ± 7.4	123.6 ± 38.7
PeF	38.1 ± 8.7	42.2 ± 7.9	19.7 ± 3.3	30.3 ± 9.2
PMD	50.27 ± 16.9	29.9 ± 14.5	19.9 ± 5.9	13.0 ± 5.0
PMV	53.2 ± 17.4	25.5 ± 21.1	21.2 ± 4.3	8.1 ± 4.3
PR/scp	42.8 ± 9.3	33.7 ± 11.3	23.5 ± 4.4	12.7 ± 3.3
PSTh	62.2 ± 3.6 ^A	18.5 ± 5.0 ^B	17.2 ± 2.6 ^B	45.7 ± 18.2
scp	38.2 ± 9.7	42.6 ± 15.0	19.3 ± 3.5	34.9 ± 7.1
TC	31.7 ± 9.1	38.8 ± 19.4	29.5 ± 14.7	7.3 ± 2.7
VP	39.7 ± 13.7	44.3 ± 14.8	16.0 ± 6.0	13.3 ± 4.5
ZI	50.6 ± 7.8 ^A	32.8 ± 7.1 ^B	16.6 ± 1.7 ^C	101.3 ± 15.6