

Table S1. Total percentage of PRV-labeled cells innervating MWAT, IWAT, and both WAT depots. The percentage values were averaged across hamsters (n=6) and presented in tabular form as means \pm SE. ‡p<0.05 vs. MWAT; *p<0.05 vs. MWAT + IWAT.

	% MWAT	% IWAT	% MWAT + IWAT	Total Mean of All PRV-Labeled Cells
Hindbrain				
12/12N	34.27 \pm 3.10	37.85 \pm 4.96	27.88 \pm 5.90	280.00 \pm 46.15
10 (DMV)	35.90 \pm 2.33*	37.96 \pm 2.56*	26.14 \pm 2.47	652.67 \pm 124.12
A5	26.20 \pm 3.09	37.41 \pm 2.74	36.39 \pm 3.64	99.50 \pm 32.53
Amb	28.61 \pm 2.61	40.08 \pm 2.97*‡	31.31 \pm 2.75	387.33 \pm 78.86
AP	30.11 \pm 1.29	44.04 \pm 3.75*‡	25.85 \pm 3.06	447.33 \pm 104.61
Bar	28.99 \pm 4.66	37.43 \pm 5.93	33.58 \pm 8.76	51.20 \pm 5.63
C3	16.46 \pm 2.71	28.74 \pm 12.21	54.80 \pm 12.44	35.00 \pm 12.64
Cu/Ecu	35.91 \pm 3.50*	41.28 \pm 3.29*	22.81 \pm 2.05	198.00 \pm 38.78
Facial regions	29.00 \pm 3.00	37.17 \pm 1.67	33.83 \pm 4.59	739.83 \pm 211.68
Gigantocellular areas				
DPGi	24.70 \pm 1.89	42.00 \pm 4.27‡	33.29 \pm 3.06	432.17 \pm 49.63
Gi	31.77 \pm 2.93	36.83 \pm 3.27	31.40 \pm 1.60	1006.50 \pm 168.33
GiA	29.94 \pm 3.66	36.56 \pm 2.77	33.49 \pm 3.12	216.00 \pm 71.19
GiV	35.72 \pm 3.52	33.81 \pm 1.15	30.47 \pm 3.68	1061.33 \pm 126.57
LPGi	31.80 \pm 2.76	35.12 \pm 3.42	33.09 \pm 2.88	1150.33 \pm 184.46
In/InM	34.60 \pm 4.22	40.77 \pm 4.04*	24.62 \pm 4.61	78.50 \pm 14.28
LC	35.63 \pm 7.39	37.98 \pm 5.41	26.39 \pm 6.26	126.80 \pm 26.59
Li	26.66 \pm 3.88	42.12 \pm 5.02‡	31.22 \pm 2.52	365.50 \pm 108.57

Table 1 (cont).

	% MWAT	% IWAT	% MWAT + IWAT	Total Mean of All PRV-Labeled Cells
Parabrachial areas				
LPB	26.88 ± 4.00	35.41 ± 6.14	37.71 ± 3.72	202.80 ± 87.89
MPB	26.08 ± 4.70	36.44 ± 6.86	37.48 ± 5.23	101.80 ± 35.98
Ppy	34.36 ± 2.71*	46.39 ± 2.78*‡	19.25 ± 1.44	191.50 ± 32.40
Pr	27.63 ± 2.73	38.88 ± 2.88‡	33.49 ± 1.36	209.50 ± 32.75
Raphe areas				
DR	28.59 ± 3.04	42.87 ± 5.25‡	28.54 ± 3.54	192.33 ± 36.27
RC	35.66 ± 4.19	25.65 ± 8.95	38.69 ± 5.17	183.50 ± 34.86
CLi/RLi	29.76 ± 3.63	45.21 ± 4.23*‡	25.03 ± 2.12	63.67 ± 9.77
MnR	31.76 ± 4.06	39.90 ± 3.80	28.34 ± 5.52	29.33 ± 4.81
PMnR	35.57 ± 4.79	38.20 ± 5.87	26.23 ± 5.24	48.67 ± 6.46
RMg	25.90 ± 4.58	36.11 ± 2.39	37.80 ± 4.66	163.17 ± 39.32
ROb	33.60 ± 3.04	35.23 ± 1.66	31.17 ± 3.80	660.83 ± 121.82
RPa	31.38 ± 1.60*	29.93 ± 2.09*	38.69 ± 2.74	269.67 ± 71.49
Reticular regions				
IRt	28.60 ± 2.55	39.96 ± 3.06	31.44 ± 3.84	1094.83 ± 195.38
LRt/-PC	28.68 ± 2.60	46.22 ± 2.32*‡	25.10 ± 2.64	714.17 ± 334.06
Md-D/V	29.36 ± 2.73	39.40 ± 3.39	31.24 ± 2.92	992.00 ± 180.27
PCRt/-A	32.45 ± 3.86	40.70 ± 3.17*	26.84 ± 3.22	505.83 ± 113.70
PMn	34.34 ± 5.07	40.54 ± 0.96	25.12 ± 4.67	380.50 ± 148.36

Table 1 (cont).

	% MWAT	% IWAT	% MWAT + IWAT	Total Mean of All PRV-Labeled Cells
RVL/C1	29.32 ± 4.43	39.23 ± 5.70	31.45 ± 1.80	566.83 ± 97.08
RO	42.90 ± 8.41	37.32 ± 6.54	19.78 ± 2.89	61.33 ± 10.41
rs	28.39 ± 1.19	36.29 ± 3.06	35.31 ± 2.56	471.33 ± 109.74
Sol	26.42 ± 2.06	42.32 ± 3.32*‡	31.26 ± 2.59	3533.83 ± 586.94
Sub-CD/V	24.04 ± 2.12	35.17 ± 5.91	40.79 ± 6.01	301.50 ± 109.35
Trigeminal areas	32.10 ± 4.02	38.48 ± 2.68	29.43 ± 4.25	758.00 ± 205.03
Vestibular areas	32.01 ± 3.81	41.99 ± 2.21*‡	26.00 ± 2.56	552.00 ± 163.80
vsc	31.28 ± 2.63	40.57 ± 2.46*‡	28.15 ± 2.39	1002.50 ± 166.14
Midbrain				
Posterior commissure	29.46 ± 3.50	46.68 ± 4.56*‡	23.86 ± 3.74	69.67 ± 23.34
CnF	25.97 ± 2.93*	36.27 ± 3.31‡	37.76 ± 3.22	120.83 ± 29.82
Dk	15.78 ± 12.06	45.01 ± 5.49	39.21 ± 8.13	84.50 ± 30.85
DpMe	27.39 ± 4.23	39.65 ± 3.86	32.96 ± 4.88	160.33 ± 36.88
EW	24.66 ± 2.75	44.24 ± 3.89*‡	31.10 ± 3.63	52.83 ± 14.48
InC	40.67 ± 6.45	34.02 ± 4.25	25.31 ± 6.31	95.67 ± 28.42
InCo	25.19 ± 12.51	28.95 ± 4.70	45.86 ± 15.48	28.83 ± 10.53
Lemniscus	28.28 ± 6.13	36.99 ± 3.71	34.73 ± 2.70	19.40 ± 5.07
mlf	29.12 ± 2.79	39.04 ± 2.93‡	31.84 ± 2.18	435.67 ± 71.00
Oculomotor	29.95 ± 3.26	36.07 ± 3.65	33.97 ± 2.06	291.67 ± 76.58
Peri Olivary	28.26 ± 5.51	34.66 ± 3.36	37.08 ± 6.28	65.17 ± 24.31
PAG				

Table 1 (cont).

	% MWAT	% IWAT	% MWAT + IWAT	Total Mean of All PRV-Labeled Cells
PAG anterior	25.88 ± 2.85	37.39 ± 4.69	36.72 ± 5.56	124.00 ± 28.56
DLPAG	29.59 ± 2.69	45.23 ± 3.17*‡	25.17 ± 4.00	117.00 ± 20.56
DMPAG	26.21 ± 2.85	36.76 ± 3.50‡	37.02 ± 4.19	197.50 ± 33.87
LPAG	24.16 ± 2.96*	38.37 ± 2.67‡	37.46 ± 3.78	445.33 ± 83.26
VLPAG	26.82 ± 2.32	37.75 ± 3.58‡	35.44 ± 3.25	282.50 ± 55.14
pn				
PnC	29.04 ± 5.33	42.80 ± 5.04	28.16 ± 3.19	77.17 ± 30.03
PnO	29.93 ± 4.65	30.87 ± 4.55	39.20 ± 6.10	135.33 ± 10.43
PnR	27.50 ± 8.96	52.50 ± 13.58	20.00 ± 13.07	9.00 ± 3.70
PnV	21.03 ± 1.34	57.67 ± 9.56	21.30 ± 8.54	23.75 ± 14.82
pv	27.86 ± 4.87	35.63 ± 2.68	36.51 ± 3.83	68.50 ± 13.42
R	30.01 ± 2.17	36.00 ± 3.23	33.98 ± 3.74	188.17 ± 32.98
Rubral areas	23.60 ± 4.09*	38.28 ± 2.96‡	38.12 ± 4.70	165.00 ± 46.53
scp	28.07 ± 4.59	36.80 ± 4.17	35.13 ± 3.28	157.40 ± 50.52
SN	30.62 ± 6.34	41.20 ± 5.24	28.18 ± 3.77	134.50 ± 36.58
Tegmental areas				
ATg	18.89 ± 10.08	54.19 ± 8.75	26.93 ± 10.97	12.25 ± 3.90
DMTg	28.39 ± 3.01	43.15 ± 5.48	28.45 ± 4.82	97.75 ± 35.97
DTg-C/P	28.12 ± 8.37	52.56 ± 4.19	19.32 ± 6.12	32.20 ± 12.13
LDTg/-V	22.63 ± 4.30*	42.96 ± 3.80‡	34.41 ± 2.87	215.67 ± 84.31
MiTg	23.16 ± 4.56	40.70 ± 10.12	36.13 ± 5.56	22.75 ± 3.92

Table 1 (cont).

	% MWAT	% IWAT	% MWAT + IWAT	Total Mean of All PRV-Labeled Cells
PDTg	38.35 ± 5.85	41.00 ± 2.84	20.65 ± 5.81	30.33 ± 6.06
PPTg	25.88 ± 2.07*	33.37 ± 2.73‡	40.75 ± 2.40	219.17 ± 44.23
RtTg/-P	29.18 ± 5.05	41.58 ± 8.97	29.24 ± 11.21	38.33 ± 10.55
SPTg	27.28 ± 4.10	37.45 ± 3.50	35.27 ± 4.42	44.40 ± 14.77
VLTg	21.39 ± 2.18	29.70 ± 4.65	48.92 ± 6.53‡	61.75 ± 7.60
VTg	23.30 ± 10.33	27.94 ± 9.90	48.77 ± 15.56	27.83 ± 8.32
VTA	25.56 ± 2.95	31.21 ± 6.14	43.22 ± 4.68	159.33 ± 41.45
Forebrain				
<i>Hypothalamic</i>				
AH	38.92 ± 2.83*	41.53 ± 2.48*	19.54 ± 1.56	298.33 ± 74.58
Arc	33.09 ± 2.78	41.90 ± 3.50*	25.00 ± 3.20‡	200.00 ± 51.94
DM	19.77 ± 7.01	35.67 ± 6.62	44.56 ± 12.71	288.83 ± 63.52
DTM	24.44 ± 5.67	42.16 ± 9.34	33.40 ± 11.43	43.60 ± 5.26
LA	35.45 ± 3.18*	45.28 ± 1.24*	19.27 ± 4.02	74.33 ± 15.67
LH				
LH proper	28.42 ± 2.67	38.65 ± 2.60‡	32.94 ± 2.67	617.83 ± 148.17
subZI	33.63 ± 1.35	30.33 ± 2.33	36.04 ± 2.09	241.50 ± 37.07
Pe/AVPe	39.56 ± 1.82*	39.00 ± 2.45*	21.44 ± 1.59	490.50 ± 76.94
PH	28.45 ± 3.08	37.36 ± 4.42	34.19 ± 2.92	198.83 ± 92.70
ADP	34.93 ± 3.03	36.68 ± 4.13	28.39 ± 3.41	66.17 ± 14.60

Table 1 (cont).

	% MWAT	% IWAT	% MWAT + IWAT	Total Mean of All PRV-Labeled Cells
POA				
LPO	29.40 ± 3.97	32.82 ± 4.23	37.78 ± 3.10	244.50 ± 44.24
MnPO	29.17 ± 8.11	36.75 ± 11.72	34.08 ± 9.19	38.40 ± 11.82
MPA	27.28 ± 2.67	38.85 ± 3.62‡	33.87 ± 1.89	473.00 ± 83.49
MPO-C/L/M	31.09 ± 4.03	40.10 ± 3.82*	28.81 ± 1.62	443.83 ± 59.65
StA	46.43 ± 3.57*	33.93 ± 8.93	19.64 ± 5.36	5.50 ± 1.50
VLPO	29.17 ± 2.93	39.28 ± 6.10	31.55 ± 4.17	43.60 ± 15.42
VMPO	39.35 ± 17.11	29.12 ± 10.01	31.54 ± 8.27	14.80 ± 5.89
VOLT	37.00 ± 3.07*	45.71 ± 5.24*	17.29 ± 7.47	16.80 ± 3.85
PVH				
PaAP	39.41 ± 4.29	34.81 ± 6.26	25.77 ± 2.99	76.67 ± 16.75
PaDC	32.54 ± 3.60	32.16 ± 4.90	35.29 ± 6.80	50.67 ± 13.68
PaLM	33.84 ± 3.10	31.95 ± 2.66	34.21 ± 3.11	171.33 ± 29.47
PaMM	38.58 ± 3.21*	34.40 ± 2.00*	27.02 ± 1.88	227.67 ± 34.84
PaMP	36.08 ± 2.58*	36.57 ± 2.45*	27.35 ± 2.05	213.33 ± 34.90
PaPo	30.79 ± 3.44	38.94 ± 3.81	30.28 ± 3.93	112.83 ± 28.14
PaV	37.62 ± 6.31	36.17 ± 8.51	26.21 ± 3.54	69.17 ± 12.77
SPa	42.69 ± 3.18*	37.77 ± 3.86*	19.54 ± 3.64	48.83 ± 9.67
SCh				
SCh anterior	39.88 ± 8.94*	41.44 ± 7.49	18.68 ± 3.73	83.67 ± 16.31

Table 1 (cont).

	% MWAT	% IWAT	% MWAT + IWAT	Total Mean of All PRV-Labeled Cells
SChDM	38.60 ± 9.56	43.72 ± 5.48*	17.68 ± 6.20	36.83 ± 8.40
SChVL	33.74 ± 5.34	42.07 ± 6.49	24.19 ± 5.27	35.67 ± 11.39
VMH	31.20 ± 1.96	42.15 ± 4.64*	26.65 ± 3.54	142.83 ± 36.24
<i>Thalamic</i>				
PF	27.77 ± 5.22	35.06 ± 5.42	37.18 ± 5.71	80.33 ± 31.15
Re/VRe/Xi	36.27 ± 1.81*	37.66 ± 1.62*	26.07 ± 2.71	222.00 ± 46.41
Other forebrain areas				
BST	35.88 ± 2.92*	38.06 ± 3.08*	26.07 ± 3.31	499.50 ± 151.57
Fascicular	29.66 ± 4.52	40.53 ± 3.06	29.81 ± 5.74	74.00 ± 20.36
LS	35.48 ± 5.37	37.69 ± 7.86	26.83 ± 3.05	31.67 ± 6.69
Mammillary bodies	32.23 ± 6.88	35.97 ± 7.72	31.79 ± 8.40	119.33 ± 38.30
PeF	23.10 ± 3.83	45.39 ± 7.20	31.51 ± 8.47	49.00 ± 10.56
PSTh	24.78 ± 5.14	35.98 ± 4.74	39.24 ± 6.17	131.20 ± 49.05
SI	34.04 ± 3.43	39.08 ± 2.89	26.88 ± 3.95	123.67 ± 27.05
TC	32.60 ± 4.39	44.93 ± 7.21*	22.47 ± 5.03	43.00 ± 13.88
VP	31.51 ± 2.94*	45.51 ± 2.51*	22.97 ± 1.61	100.00 ± 65.13
ZI	35.29 ± 1.92	36.03 ± 2.51	28.67 ± 3.22	215.00 ± 52.44

Hindbrain: 12/12N, hypoglossal nucleus; 10 (DMV), dorsal motor nucleus of vagus; A5, A5 noradrenaline cells; Amb, ambiguus nucleus; AP, area postrema; Bar, Barrington's nucleus; C3, C3 adrenaline cells; Cu/Ecu, cuneate nucleus/external cuneate nucleus; DPGi, dorsal

paragigantocellular nucleus; Gi, gigantocellular reticular nucleus; GiA, gigantocellular reticular nucleus, alpha part; GiV, gigantocellular reticular nucleus, ventral part; LPGi, lateral paragigantocellular nucleus; In/InM, intercalated nucleus of the medulla/intermedius nucleus of the medulla; LC, locus coeruleus; Li, linear nucleus of the medulla; LPB, lateral parabrachial nucleus; MPB, medial parabrachial nucleus; Ppy, peripyramidal nucleus; Pr, prepositus nucleus; DR, dorsal raphe nucleus; RC, raphe cap; CLi/RLi, caudal linear nucleus of the raphe/rostral linear nucleus of the raphe; MnR, median raphe nucleus; PMnR, paramedian raphe nucleus; RMg, raphe magnus nucleus; ROb, raphe obscurus nucleus; RPa, raphe pallidus nucleus; IRt, intermediate reticular nucleus; LRt/-PC, lateral reticular nucleus/-parvicellular part; Md-D/V, medullary reticular nucleus-dorsal/ventral parts; PCRt/-A, parvicellular reticular nucleus/-alpha part; PMn, paramedian reticular nucleus; RVL/C1, rostroventrolateral reticular nucleus/C1 adrenaline cells; Ro, nucleus of Roller; rs, rubrospinal tract; Sol, nucleus of the solitary tract; Sub-CD/V, subcoeruleus nucleus-dorsal/ventral parts; vsc, ventral spinocerebellar tract.

Midbrain: CnF, cuneiform nucleus; Dk, nucleus of Darkschewitsch; DpMe, deep mesencephalic nucleus; EW, Edinger-Westphal nucleus; InC, interstitial nucleus of Cajal; InCo, intercollicular nucleus; mlf, medial longitudinal fasciculus; PAG, periaqueductal gray; PAG anterior, periaqueductal gray anterior; DLPAG, dorsolateral periaqueductal gray; DMPAG, dorsomedial periaqueductal gray; LPAG, lateral periaqueductal gray; VLPAG, ventrolateral periaqueductal gray; Pn, pontine nuclei; PnC, pontine reticular nucleus nucleus, caudal part; PnO, pontine reticular nucleus, oral part; PnR, pontine raphe nucleus; PnV, pontine reticular nucleus, ventral part; pv, periventricular fiber system; R, red nucleus; scp, superior cerebellar peduncle; SN, substantia nigra; ATg, anterior tegmental nucleus; DMTg, dorsomedial tegmental area; DTg-C/P, dorsal tegmental nucleus -central/pericentral parts; LDTg/-V, laterodorsal tegmental

nucleus/-ventral part; MiTg, microcellular tegmental nucleus; PDTg, posterodorsal tegmental nucleus; PPTg, pedunclopontine tegmental nucleus; RtTg/-P, reticulotegmental nucleus of the pons/-pericentral part; SPTg, subpeduncular tegmental nucleus; VLTg, ventrolateral tegmental area; VTg, ventral tegmental nucleus; VTA, ventral tegmental area. **Forebrain:** AH, anterior hypothalamus; Arc, arcuate nucleus; DM, dorsomedial hypothalamic nucleus; DTM, dorsal tuberomammillary nucleus; LA, lateroanterior hypothalamic nucleus; LH, lateral hypothalamic area; LH proper, lateral hypothalamic area proper; subZI, sub-zona incerta; Pe/AVPe, periventricular hypothalamic nucleus/anteroventral periventricular nucleus; PH, posterior hypothalamic area; ADP, anterodorsal preoptic nucleus; POA, preoptic area; LPO, lateral preoptic area; MnPO, median preoptic nucleus; MPA, medial preoptic area; MPO-C/L/M, medial preoptic nucleus-central/lateral/medial parts; StA, strial part of the preoptic area; VLPO, ventrolateral preoptic nucleus; VMPO, ventromedial preoptic nucleus; VOLT, vascular organ of the lamina terminalis; PVH, paraventricular nucleus of the hypothalamus; PaAP, paraventricular hypothalamic nucleus, anterior parvicellular part; PaDC, paraventricular hypothalamic nucleus, dorsal cap; PaLM, paraventricular hypothalamic nucleus, lateral magnocellular part; PaMM, paraventricular hypothalamic nucleus, medial magnocellular part; PaMP, paraventricular hypothalamic nucleus, medial parvicellular part; PaPo, paraventricular hypothalamic nucleus, posterior part; PaV, paraventricular hypothalamic nucleus, ventral part; SPa, subparaventricular zone of the hypothalamus; SCh, suprachiasmatic nucleus; SCh, anterior, suprachiasmatic nucleus, anterior; SChDM, suprachiasmatic nucleus, dorsomedial part; SChVL, suprachiasmatic nucleus, ventrolateral part; VMH, ventromedial hypothalamic nucleus; PF, parafascicular thalamic nucleus; Re/VRe/Xi, reuniens thalamic nucleus/ventral reuniens thalamic nucleus/xiphoid thalamic nucleus; BST, bed nucleus of the stria terminalis; LS, lateral septal

nucleus; PeF, perifornical nucleus; PSTh, parasubthalamic nucleus; SI, substantia innominata;
TC, tuber cinereum area; VP, ventral pallidum; ZI, zona incerta.