

SUPPLEMENTARY DATA

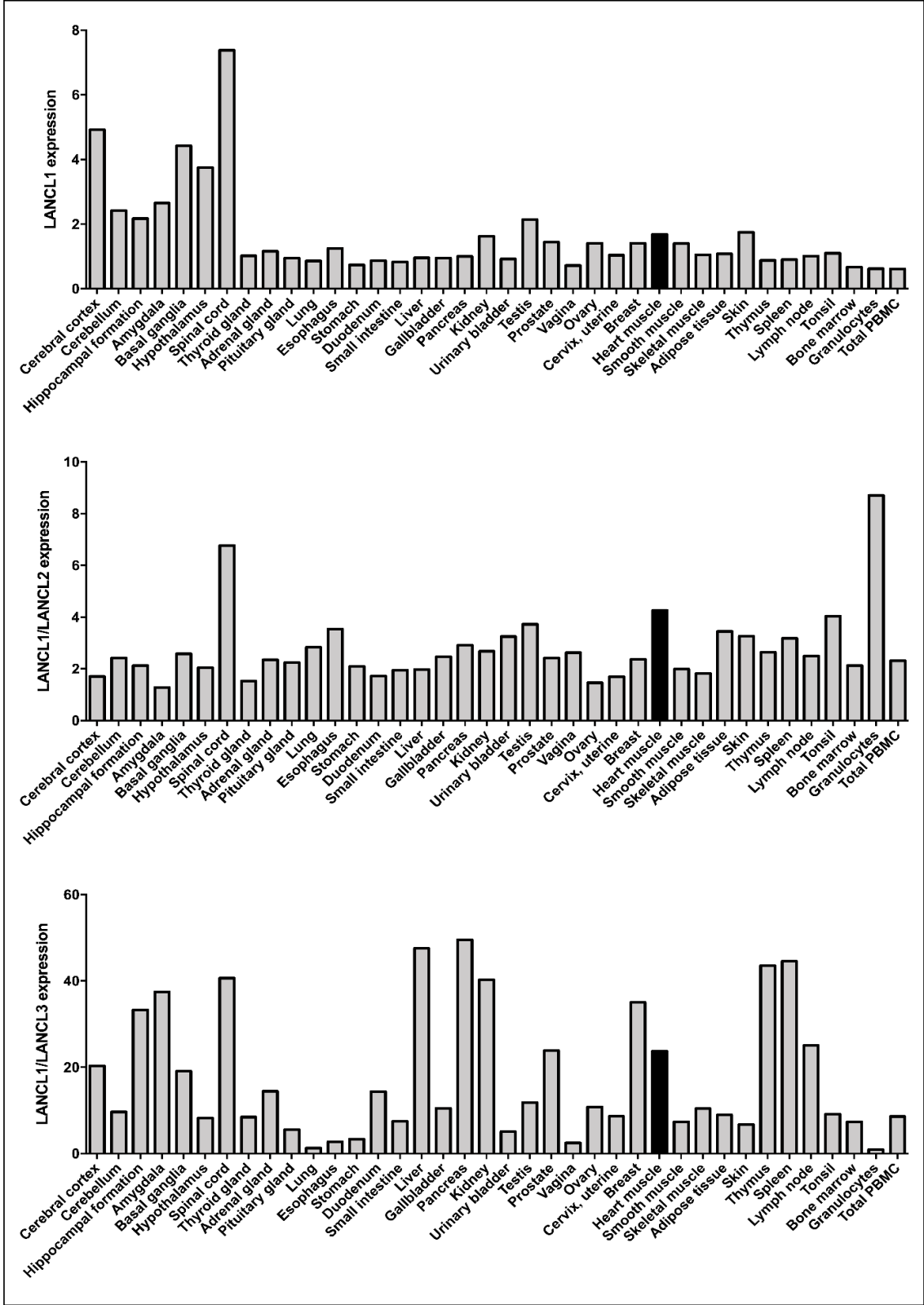


Figure S1. Tissue expression levels of LANCL proteins could mediate a tissue-specific function.

Table S1. Primer sequences used to amplify rat target genes.

Rat genes	Accession N.	Forward Primer 5'-3'	Reverse Primer 5'-3'
Lanc1	NM_053723	TCTTGCTCCTCATCCTGCTCATC	CACTGTACTCGCCGAAGG TCTC
Lanc2	NM_001014187	GGTGCCACGGTGCTCCAG	CCTCGCTGCCAAATCACA TCAC
Prkaa2	NM_019142	AGAAGCAGAAGCACGACGG	GAAGGTGCCGACGCCC
Ppargc1a	NM_031347	GCACACATCGCAATTCTCCC	CTCTGCGGTATTCGTCCCT C
Sirt1	NM_001372090	CAGTGTCATGGTTCCTTTGC	CACCGAGGAACTACCTGA T
Nampt	NM_177928	TCGGTTCTGGTGGAGGTTTGCTAC	TCCCTGCTGGCGTCCTATG TAAAG
Hprt1	NM_012583	TTGGTCAAGCAGTACAGCCC	TGGCCTGTATCCAACACTT CG
Tbc1d1	XM_032917081	AGTCAGGACCCGAGCTACTT	CTGCCGGATGGAGCTAAT
Nos1	NM_052799	AGAGGAGGACGCTGGTGTAT	GA
Nos2	NM_012611	GGAGAAAACCCCAGGTGCTA	AAGGCGGTTGGTCACTTC AT TGAGGAACTGGGGGAAA CCA
Nos3	NM_021838	AGGCCTTGGTATTGGTGGTG	TAGGGGCCCCGACATTTCC AT
Gch1	NM_024356	GCGTCGGGGTAGTGATTGAA	AGCATGGTGCTAGTGACA GT
Arg2	U90887	AAAAGGCAGAGGCCAATCCA	TCCCCCTACAACAGGGGT TC
Slc7a2	NM_001134686	TCCCTCTGCGCCTTATCAAC	TTTGAAAAGCAACCCATC CTCC
Nadk2	NM_001044252	AAGAGCGCACGATGAAAGGT	GCTACAGCCCAACAATAA GGC

Table S2. Primary and secondary antibodies used for Western blot.

Primary Antibody	Host	Concentrations	Manufacturer
Anti-LANCL1	Rabbit	1:250	Novus Biologicals
Anti-LANCL2	Mouse	1:1000	Reference [19]
Anti-AMPK tot	Rabbit	1:1000	Cell Signaling Technology, Danvers, MA
Anti-pAMPK P-Thr172	Rabbit	1:1000	Cell Signaling Technology, Danvers, MA
Anti-vinculin	Rabbit	1:1000	Cell Signaling Technology, Danvers, MA
Anti-Akt tot	Rabbit	1:1000	Cell Signaling Technology, Danvers, MA
Anti-pAkt P-Ser473	Rabbit	1:1000	Santa Cruz Biotechnology Inc., California
Anti-eNOS tot	rabbit	1:1000	Cell Signaling Technology, Danvers, MA
Anti-peNOS P-Ser1177	rabbit	1:1000	Cell Signaling Technology, Danvers, MA
Anti- α tubulin	rabbit	1:200	Cell Signaling Technology, Danvers, MA
Secondary Antibody	Concentrations		Manufacturer
Anti-Mouse	1:2000		Santa Cruz Biotechnology Inc., California
Anti-Rabbit	1:1000		Santa Cruz Biotechnology Inc., California