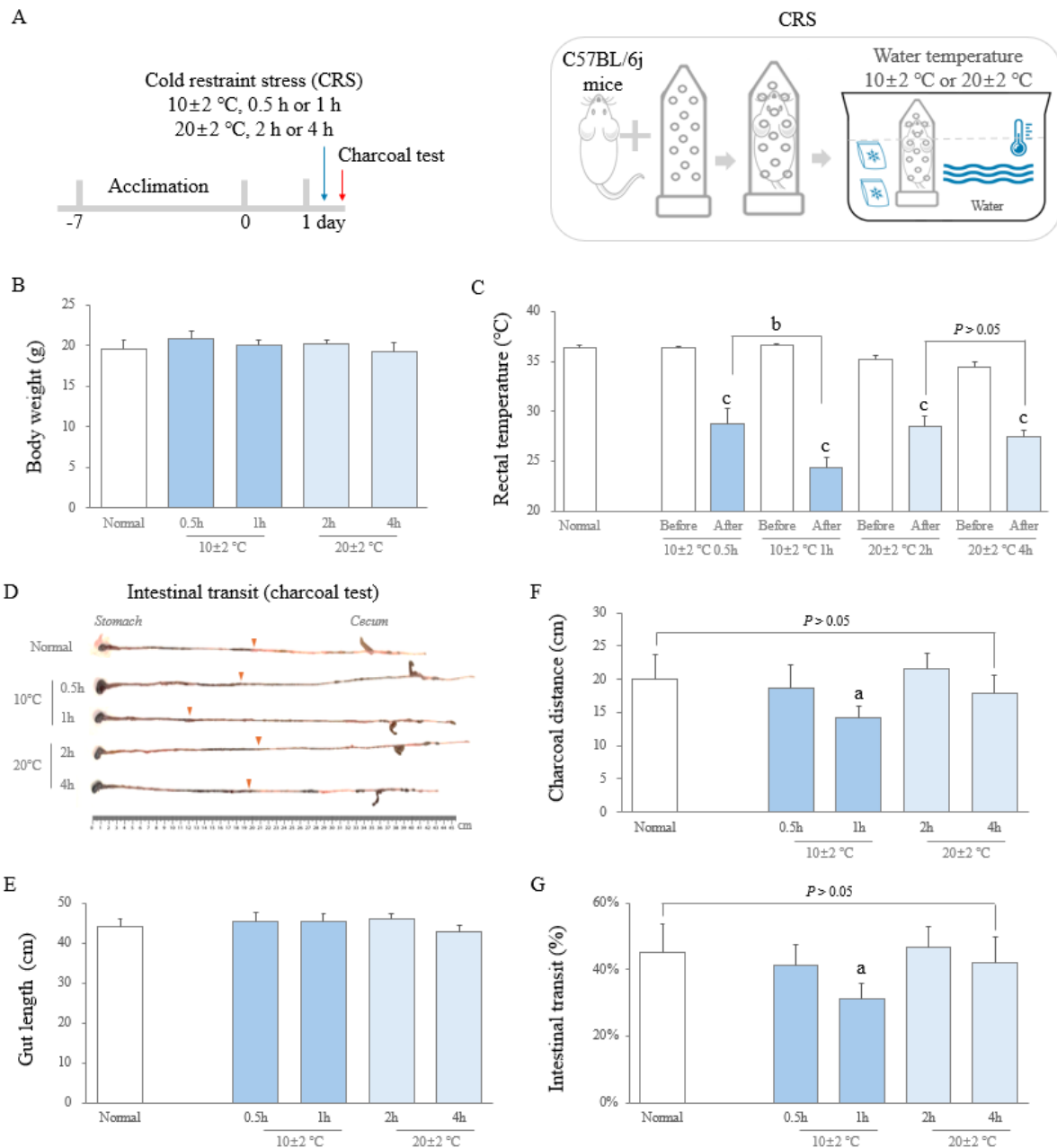




Supplementary Figure 1 Cold Sensitivity Surpasses Restraint Stress in Suppressing Intestinal Transit in Mice. (A) Experimental schedule and schematic of the cold restraint stress (CRS) model. (B) Comparison of mean body weight on the final experimental day. (C) Difference in rectal temperature between the start and 30 minutes after cold restraint stress. (D) Morphology of the stomach and intestine after intragastric administration of charcoal. ^a $p < 0.05$ compared with the normal group; ^c $p < 0.01$ compared with the start. ^b $p < 0.01$ for comparison between 0.5 h and 1 h after CRS stimulation.

Supplementary Table 1 Step gradient method for paeoniflorin (RT : 17.66 min) and Shihosogan-tang

Retention (min)	time	Solvent A (Water + 0.1% formic acid) [%]	Solvent B (MeCN + 0.1% formic acid) [%]
0		90	10
2		90	10
4		85	15
6		85	15
8		84	16
10		84	16
12		83	17
14		83	17
16		82	18
18		82	18
20		81.5	18.5
22		81.5	18.5
24		81	19
26		81	19
28		80.7	19.3
30		80.7	19.3
32		80.5	19.5
34		80.5	19.5
36		80.3	19.7
38		80.3	19.7
40		80	20
42		80	20
44		79.5	20.5
46		79.5	20.5
48		0	100

58	0	100
58.1	90	10
63	90	10

Supplementary Table 2 Step gradient method for liquiritin (RT : 13.81 min), Yijung-tang and Pyeongwi-san

Retention (min)	time	Solvent A (Water + 0.1% formic acid) [%]	Solvent B (MeCN + 0.1% formic acid) [%]
0		90	10
2		90	10
4		80	20
6		80	20
8		77	23
10		77	23
14		76	24
16		76	24
18		75.5	24.5
20		75.5	24.5
22		75	25
24		75	25
26		73	27
28		73	27
30		70	30
32		70	30
34		68	32
36		68	32
38		65	35
40		65	35

42	60	40
44	60	40
48	0	100
58	0	100
58.1	90	10
63	90	10

Supplementary Table 3 Details and Information on Mouse qPCR Primers

Gene ID	Sequence (5'~ 3')	Product size (bp)	AT (°C)	PrimerBank ID (Ref)
<i>GA</i>	F:	123	57	679937a1
<i>PDH</i>	AGGTCGGTGTGAACGGATT G R: TGTAGACCATGTAGTTGAGG TCA			
<i>PGC</i>	F: CCACCTACTACACTCAAGGG C R: AACTCCTGGTTAGGGACCTGG	118	59	42375746c1
<i>PGA</i>	F: TTAAGTCCATGCGTGAAAACC T R: CACGGCTTCGAGGGTACTTC	75	55	262231749c1
5 <i>LIPF</i>	F: TGTGCTATCTGCATTGAGG R:	156	57	13385836a1

		ACCCCCAGAATGTAGCCATCT			
5HT	F:		72	59	7305175a1
3R		ACCCAGGAGGATACCACCC			
	R:				
		CCCCTTCTTGTAGTTAGCCAG			
		G			
5HT	F:		105	57	145966722c1
4R		GATGCTAATGTGAGTTCCAAC			
		GA			
	R:				
		CAGCAGGTTGCCCAAGATG			
GPR	F: CATGTGGTGGGCTATGTC		176	55	doi:10.7150/thn
41	R:				.56598
		TGAGTCCAAGGCACACAAG			
GPR	F:		185	55	doi:10.7150/thn
43		ACCATCGTCATCATCGTTCA			.56598
	R:				
		ACGAAGCGCCAATAACAGA			
GLP-	F:		117	57	11024690a1
1R		ACGGTGTCCCTCTCAGAGAC			
	R:				
		ATCAAAGGTCCGGTTGCAGA			
		A			
TNF-	F:		166	60	doi: 1
a		CGGGCAGGTCTACTTTGGAG			10.1007/s12035-
	R:				023-03842-6
		ACCCTGAGCCATAATCCCCT			
IL-1 β	F:		138	60	oi:
		TGCCACCTTTTGACAGTGATG			10.1073/pnas.170
	R:				5491114

TGATGTGCTGCTGCGAGATT

AT, Annealing temperature; GAPDH: Glyceraldehyde-3-phosphate dehydrogenase, PGC: Pepsinogen C; PGA5: Pepsinogen A5, LIPF: Lipase F, gastric type, 5HT3R: 5-Hydroxytryptamine receptor 3, 5HT4R: 5-Hydroxytryptamine receptor 4, GPR41: G Protein-Coupled Receptor 41, GPR43: G Protein-Coupled Receptor 43, GLP-1R: Glucagon-Like Peptide-1 Receptor, TNF- α : Tumor Necrosis Factor Alpha,, IL-1 β : Interleukin 1 Beta