

Korean black soybean A63 extract ameliorates atopic dermatitis-like skin inflammation in an oxazolone-induced murine model.

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Supplementary material

Fig.S1. DPPH assay (A) and Liver cell protective assay (B) result.

Plant sampling and DPPH and liver cell protective assay were performed according to previous method of Xue et al (2017). Sample concentration of black soybean extracts were 0.25 mg/ml for DPPH assay and 0.1 mg/ml for Liver cell protective assay.

Fig.S2. UV Chromatogram of major components of A63 and ST.

HPLC and UV detector used for isoflavone detection. Wavelength for isoflavone was 254 nm. Detected compounds were numbered as following:

1. Daidzin, 2. 6-Malonyldaidzin, 3. 6-Malonylgenistin, 4. Daidzein, 5. Genistin.

Fig.S3. Full length western blot images of Fig.5

Fig.S4. Full length western blot images of Fig.6

Table S1. List of Primers.

Table S2. Comparing of dietary contents in various species of soybean extract

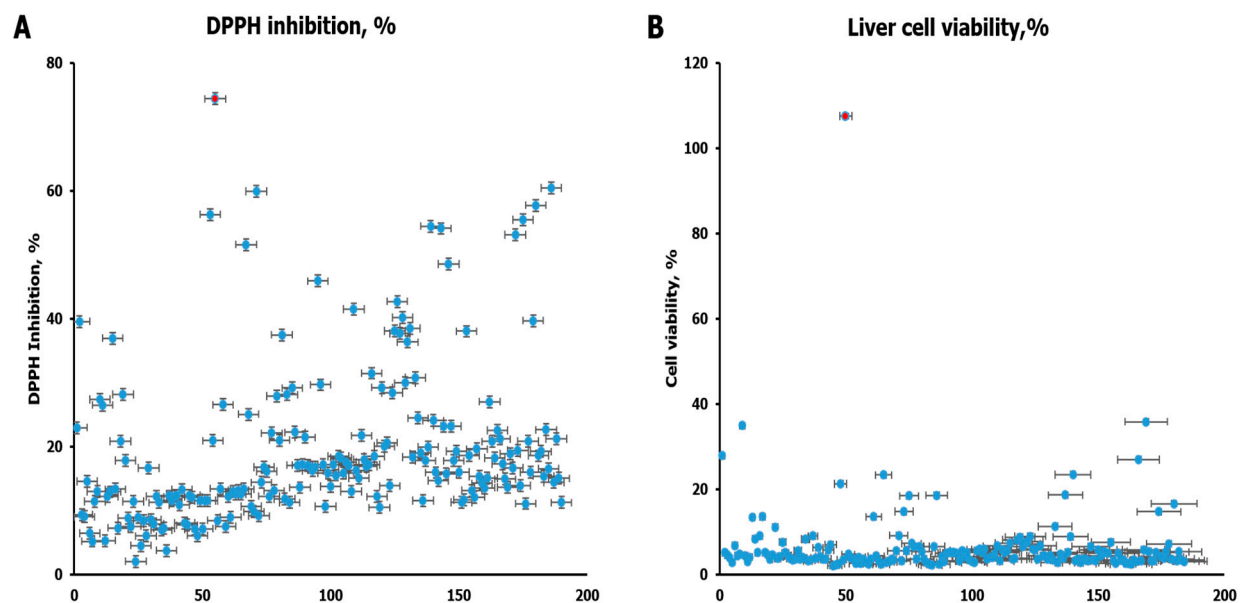


Figure S1. DPPH assay (A) and Liver cell protective assay (B) results.

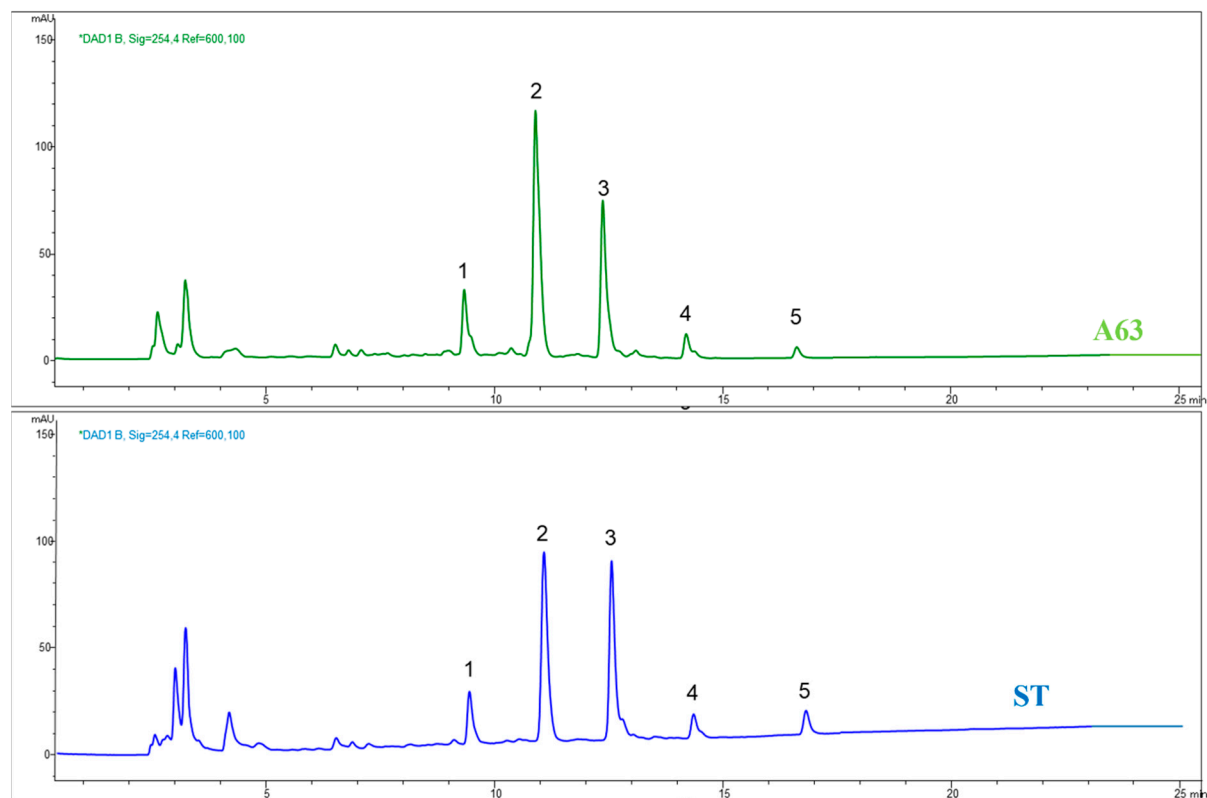


Figure S2. UV Chromatogram of major components of A63 and ST.

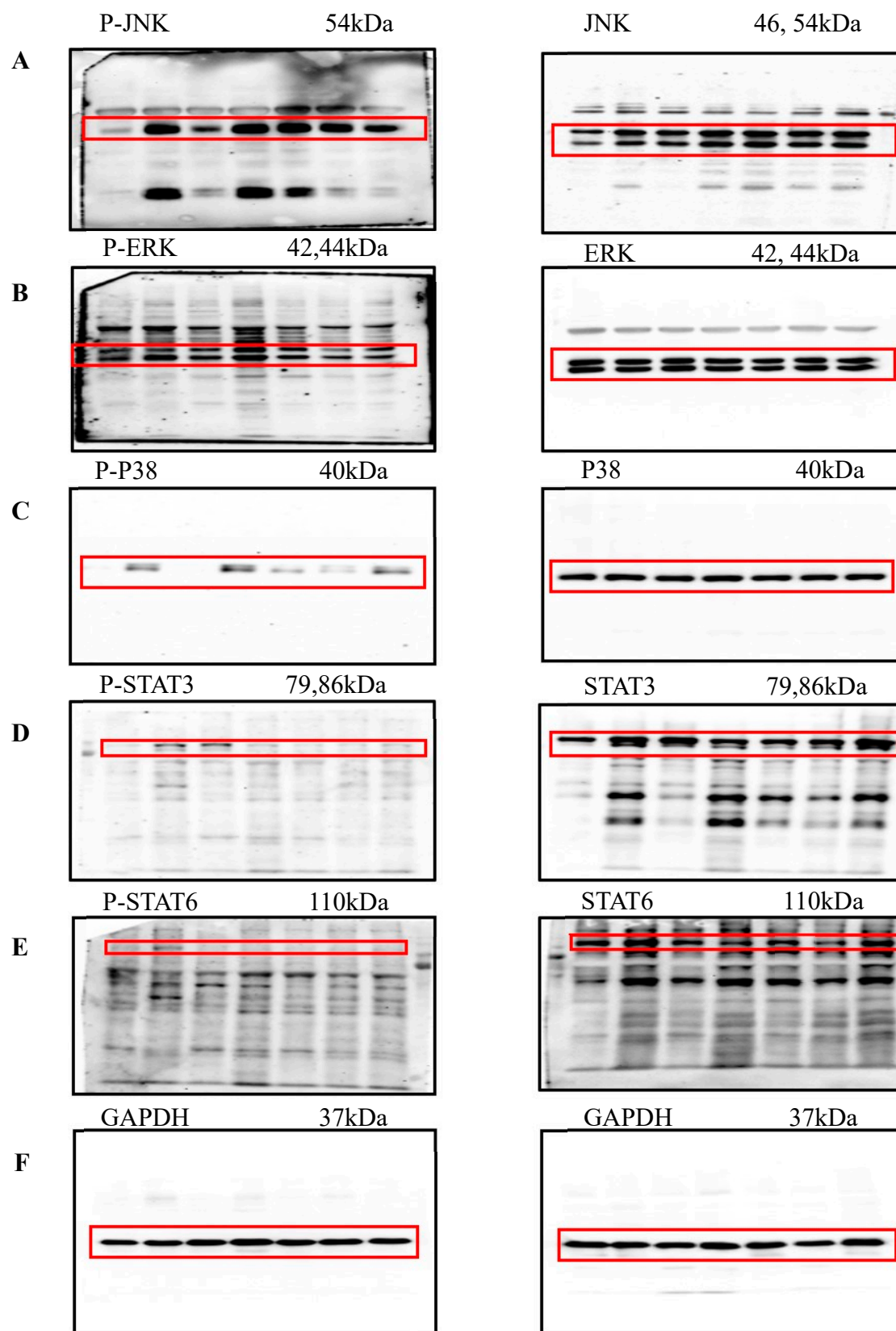


Figure S3. Full length western blot images of Figure 5.

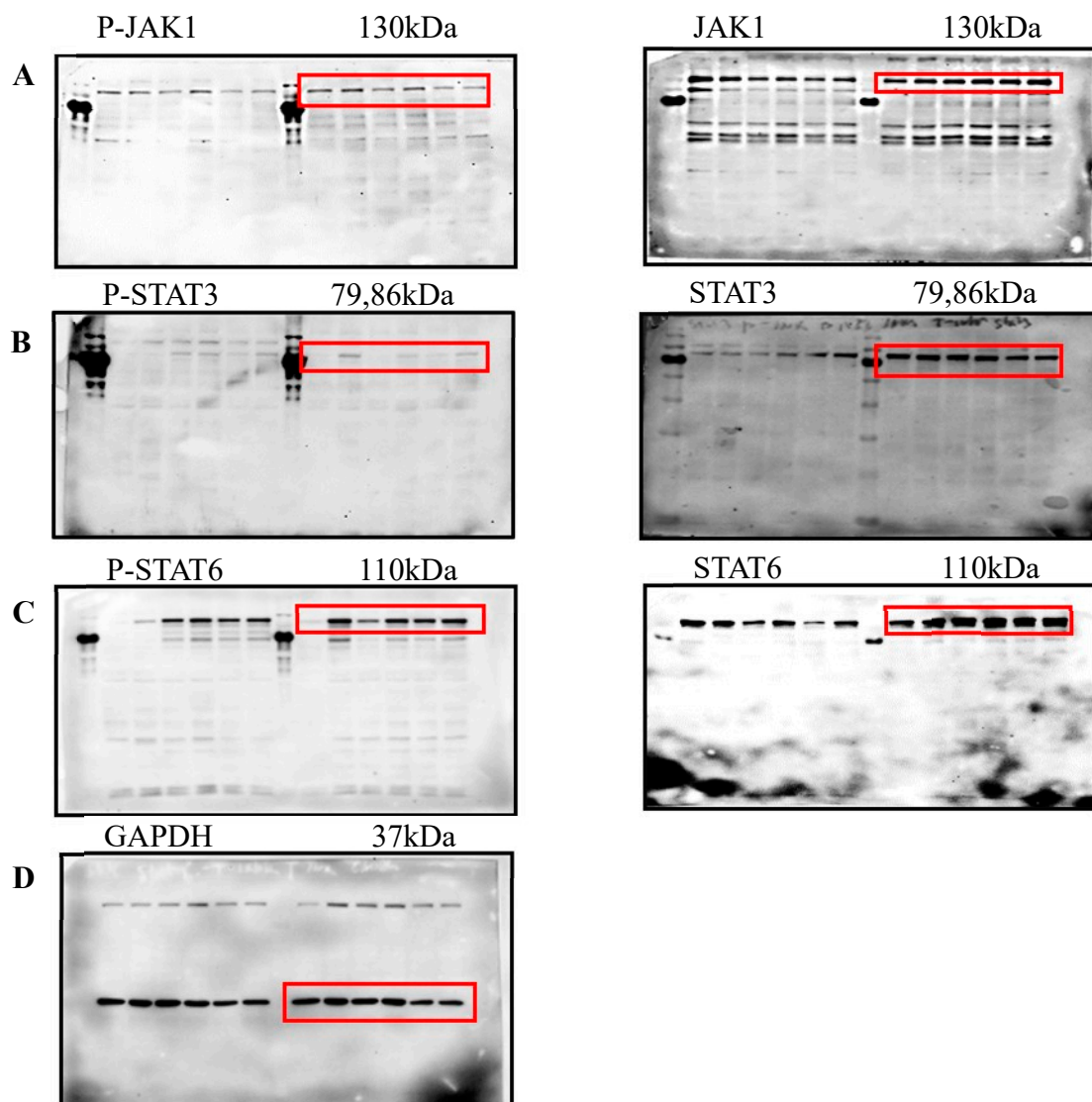


Figure S4. Full length western blot images of Figure 6.

Table S1. List of Primers.

Primer name	Sequence
M_IL-4_F	ATGGATGTGCCAAACGTCCT
M_IL-4_R	AAGCACCTTGGAAGCCCTAC
M_IL-5_F	CGTGGGGGTACTGTGGAAT
M_IL-5_R	AATCCAGGAATGCCTCGTC
M_CCL17_F	AATGTAGGCCGAGAGTGCTG
M_CCL17_R	TGCCCTGGACAGTCAGAAAC
M_CCL26_F	GTCCTGCTGCCCTAATTCA
M_CCL26_R	TCACTGGTGCAGCTCTTGTC
H_CCL26_F	CCTCCTGAGTCTCCACCTTG
H_CCL26_R	GGATGGGTACAGACTTTCTTGC
M_GAPDH_F	CATGGCCTTCCTGTTCTTA
M_GAPDH_R	ACTTGGCAGGTTCTCCAGG

Table S2. Comparing of dietary contents in various species of soybean extract

	Contents (mg/g)							
	Anthoc	Pro-anthoc	Flavonols	Isoflavonols				
	yanins	yanidins						
	*Cyani din-o-gl ucoside	*Procyanid in B2	*Epicatec hin	#Daidzi n	#6-Malon yl daidzin	#6-Malon ylgenistin	#Daidze in	#Genistin
SCEL-1 (A6 3)	4.99	0.41	13.4	1.25-1. 36	5.74-6.38	3.45-3.70	0.27-0.5 3	0-0.16
Seritae (ST)	2.67	0.11	1.28	0.73-0. 94	4.18-4.43	4.26-4.52	0.08-0.3 8	0.09-0.38

* Mass spectrometry analysis # High performance liquid chromatography analysis