

Interferon- γ Contributes to HLA-B27-associated Unfolded Protein Response in Spondyloarthropathies

Feng Y, Ding J, Fan CM, Zhu P. Interferon- γ contributes to HLA-B27-associated unfolded protein response in spondyloarthropathies. *J Rheumatol* 2012;39:574-82. The labels describing graphs of Figure 5 were incorrect; the figure with correct labeling is given below. We regret the error.

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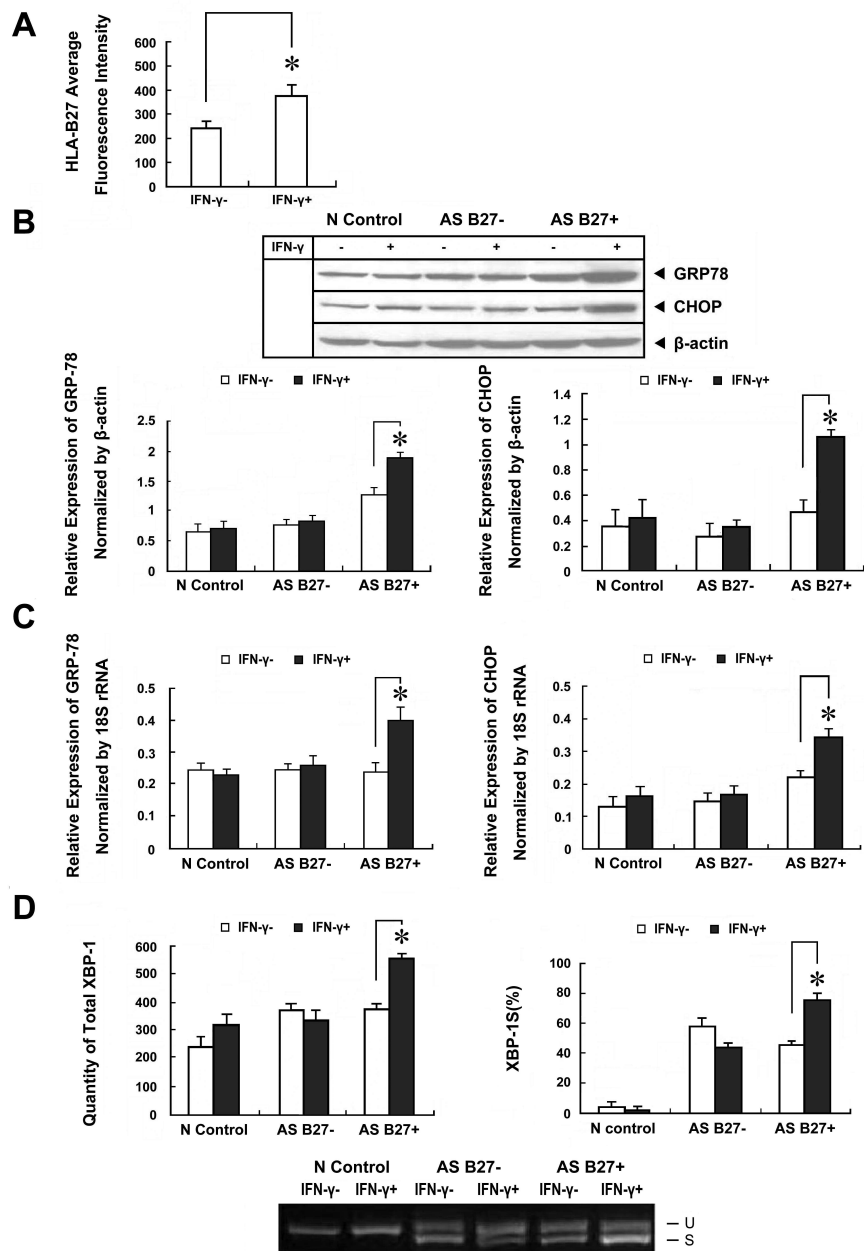


Figure 5. IFN- γ can induce expression of UPR-associated proteins in PBMC of HLA-B27-positive AS patients. Healthy controls (N Control) and PBMC of 5 HLA-B27-negative AS patients (AS B27-), and 15 HLA-B27-positive AS patients (AS B27+) were incubated with (IFN- γ +) or without (IFN- γ -) interferon- γ for 24 hours. **A.** HLA-B27 expression of HLA-B27-positive AS patients was detected by flow cytometry. **B.** GRP78 and CHOP protein extracts from cells were subjected to Western blot analysis with antibodies against GRP78, CHOP, and β -actin. The intensity of the protein bands was quantified by densitometry and normalized against β -actin serving as internal loading control. Relative levels of GRP78 under each condition are plotted below the autoradiograms. **C.** Expression of GRP78 and CHOP mRNA in PBMC was detected by quantitative PCR. Data are presented as relative expression normalized by 18S rRNA. **D.** Total XBP-1 and the XBP-1 splice variant were analyzed using semiquantitative PCR. XBP-1 spliced (S) is expressed as a percentage of total XBP-1 unspliced (U). Data are shown as means \pm SD of 3 independent experiments. *Significant differences ($p < 0.05$) compared to control group.