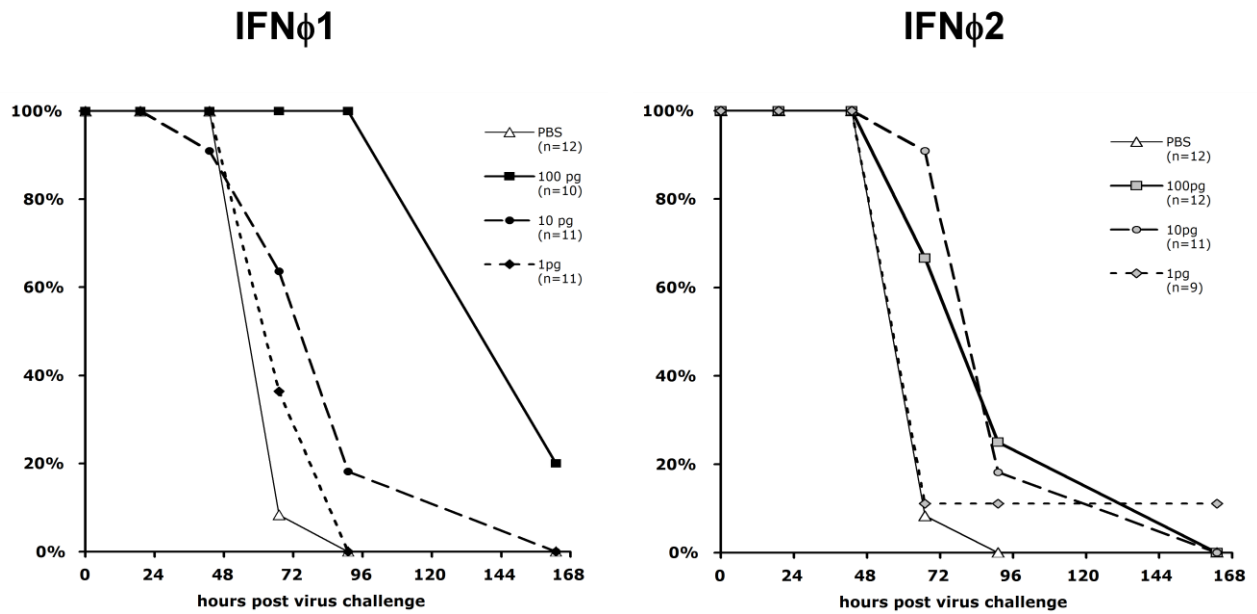
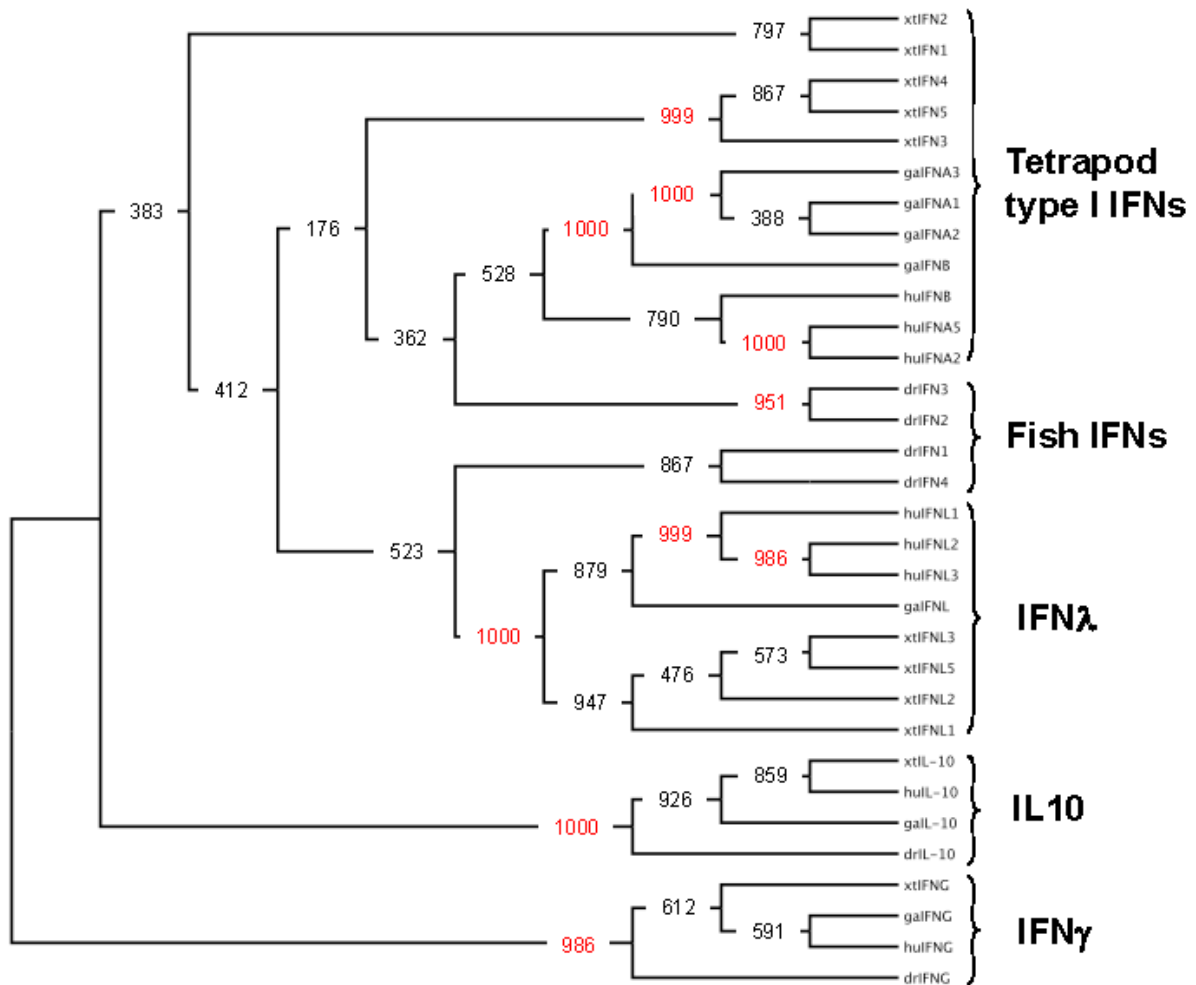


Figure S1. Biological activity of IFN ϕ 1 and IFN ϕ 2



FigS1. Bioactivity of recombinant zebrafish IFNs demonstrated by increased survival to a viral challenge, using the method described in ref (2). 60hpf zebrafish larvae were injected intravenously with the indicated amount of recombinant IFN diluted in PBS (left panel, IFN ϕ 1; right panel, IFN ϕ 2). After 6 hours of incubation at 28°C, they were challenged by intravenous inoculation of 60 pfu of IHN25 virus. Larvae were then distributed in individual wells and incubated at 24°C, and their survival was regularly monitored with a stereomicroscope. With this assay, the specific activity of recombinant IFN ϕ 1 appears roughly 3 times higher than that of recombinant IFN ϕ 2.

Figure S3



Supplementary figure 3: Phylogenetic tree based on the sequence alignment shown in Supplementary figure 2