



*Post hoc analysis*

Sample	Comparison	Difference	Lower CI	Upper CI	Adjusted <i>P</i> -value
TAO 144	15-0	-6.0861	-9.8760	-2.2962	0.0022
TAO 144	30-0	-7.9287	-11.7186	-4.1388	0.0002
TAO 144	30-15	-1.8426	-5.6325	1.9473	0.4366
TAO 172	15-0	-3.6581	-7.2862	-0.0299	0.0480
TAO 172	30-0	-9.1238	-12.7520	-5.4956	0.0000
TAO 172	30-15	-5.4657	-9.0939	-1.8376	0.0037

**Supplemental Fig. S3.** Interleukin 6 (IL-6) response to hypoxia-inducible factor (HIF)-1 $\alpha$  inhibition under hypoxia. (A) The figure displays box plots of IL-6 expression levels under hypoxic conditions for thyroid-associated ophthalmopathy (TAO) samples at different IDF-11774 concentrations (0, 15, and 30  $\mu$ M). The observations indicate a decrease in IL-6 expression with increasing IDF-11774 concentration for both cell lines, suggesting a dose-dependent response under hypoxic conditions. (B) *Post hoc* analysis reveals significant differences in IL-6 expression between certain IDF-11774 concentrations, with adjusted *P* values indicating statistical significance. CI, confidence interval.