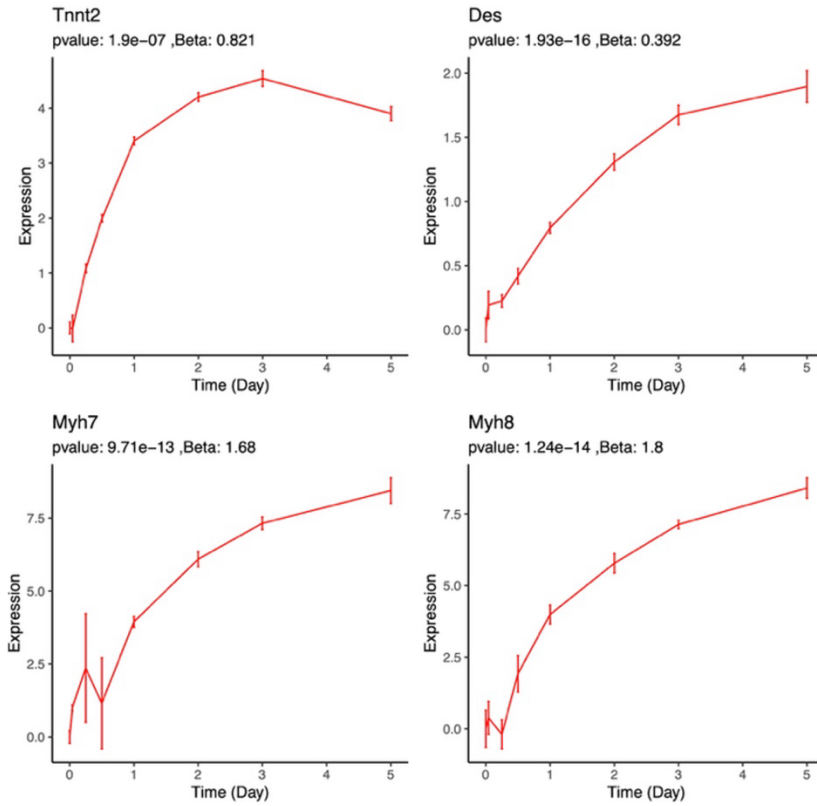
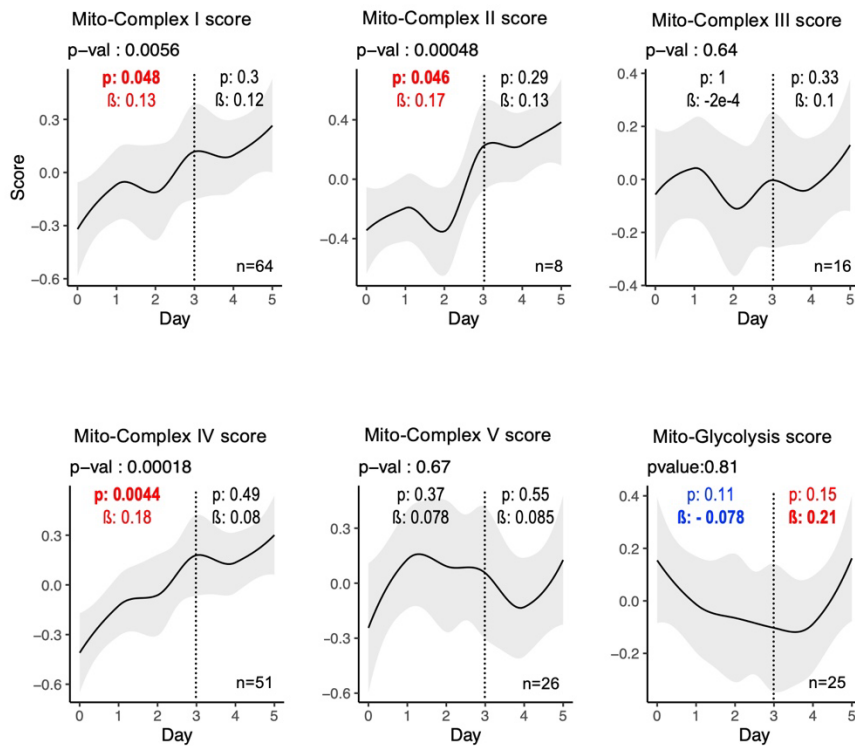


**a**



**b**



**Supplementary Material 5. Proteomic muscle marker of differentiation from another study dataset and mitochondrial transcriptomic score dynamics during human muscle**

**differentiation.** a) Protein expression of four myogenesis markers from an in-vitro mouse model study (Xiao et al., 2022). Time points in the x-axis: 0, 1, 6, 12 hours, then 1, 2, 3, 5 days (day 4 is not present). P-value of linear regression and relative beta value is provided. b) Scores were derived from the MitoCarta 3.0 Dataset over days 0 to 5 of differentiation, with subtitles showing p-values associated with each score. Early (days 0 to 3) and late (days 3 to 5) phases are analyzed separately. Blue color for p represents negative trends, while red indicates positive trends.

Xiao, D., Caldow, M., Kim, H. J., Blazej, R., Koopman, R., Manandi, D., Parker, B. L., & Yang, P. (2022). Time-resolved phosphoproteome and proteome analysis reveals kinase signaling on master transcription factors during myogenesis. *iScience*, 25(6), 104489. <https://doi.org/10.1016/j.isci.2022.104489>