

SUPPLEMENTAL MATERIAL

Figure S1

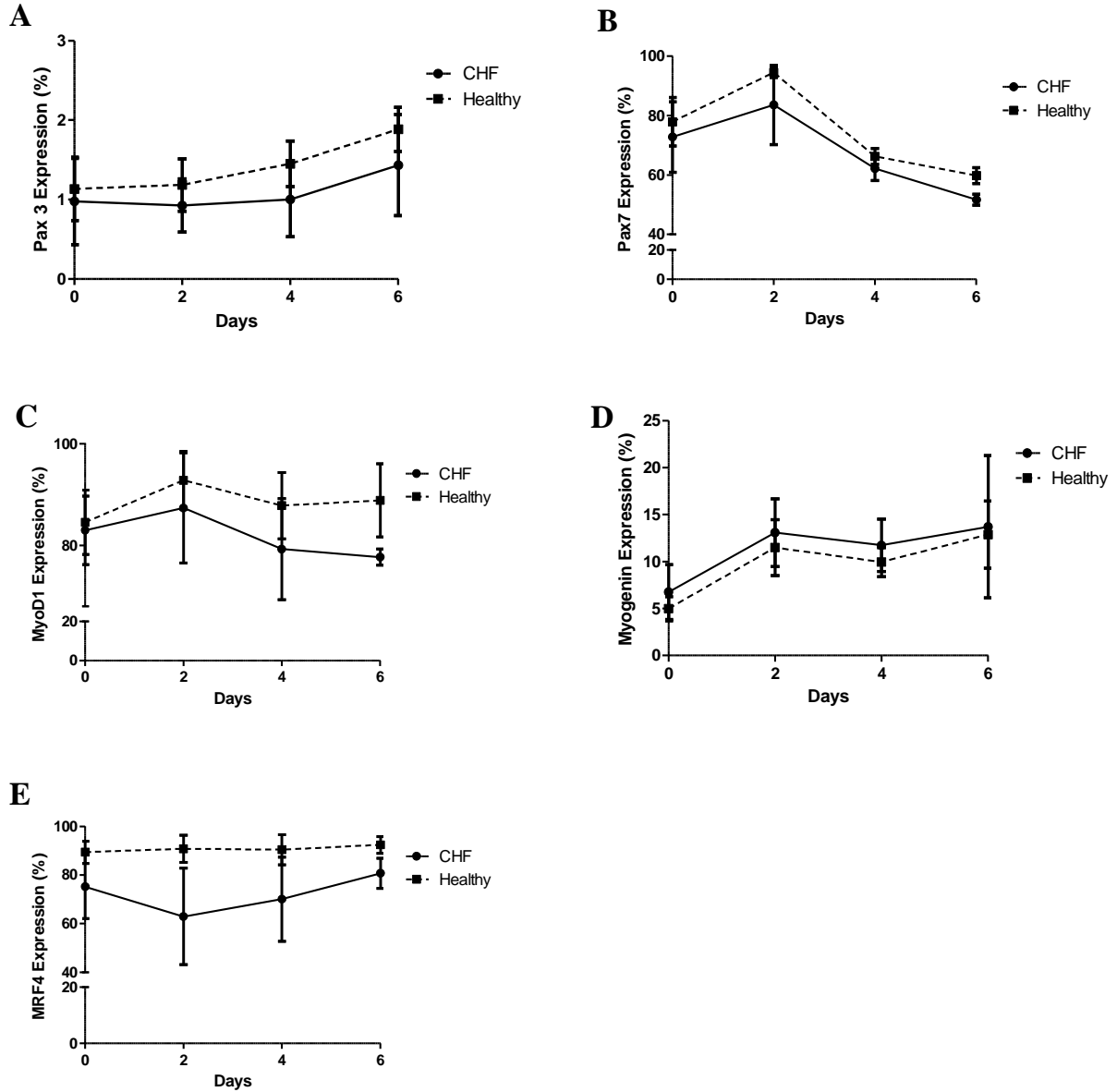


Figure S1. Representative graphs showing the expression pattern of Pax3 (A), Pax7 (B) and myogenic regulatory factors MyoD (C), Myogenin (D) and MRF4 (E) in muscle cells obtained from CHF patients and control subjects following six days in differentiation medium. Satellite cell marker Pax3 (A) showed a low expression in both myoblasts cultures, indicating the relatively absence of satellite cells. A slightly increased Pax7 expression was observed within 48h after having changed the proliferation medium to

differentiation medium **(B)**. As the cultures matured, the level of the Pax7 transcription factor gradually decreased whereby the reduction in Pax7 expression was more pronounced in CHF myoblasts. Expression of transcription factors MyoD and MRF4 remained stable over time during myogenesis **(C, E)**. A steady increase in myogenin expression within 48 h after the change from proliferation to differentiation medium was detected in both groups with levels reaching 3-fold of those found on day 0 **(D)**. Data are mean \pm SEM. (N=6)