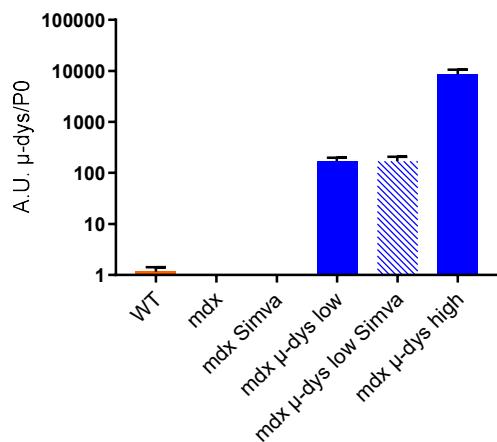


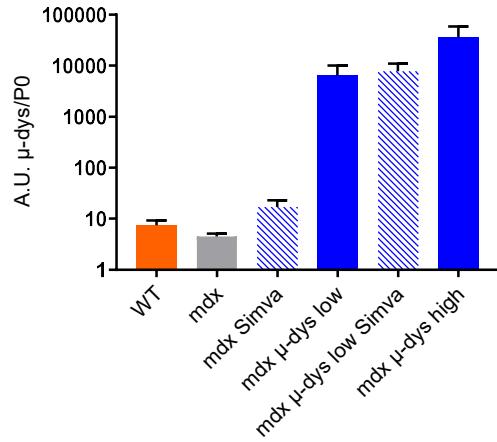


# Supplemental Figures

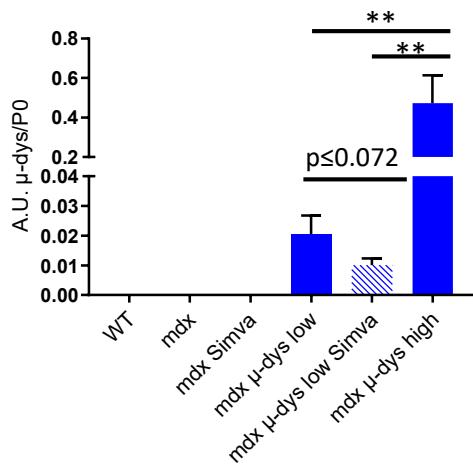
**Fig-Sup-1a.**  
**Microdystrophin VCN GA**



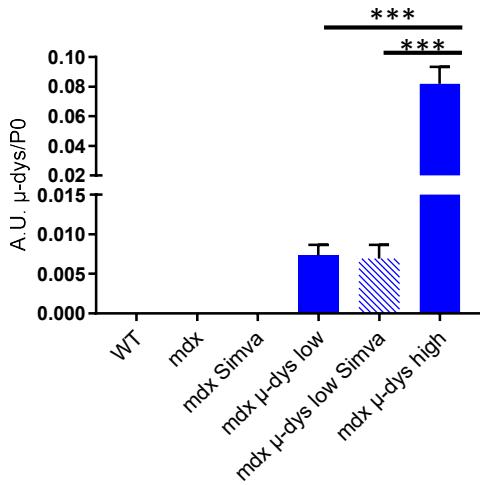
**Fig-Sup-1b.**  
**Microdystrophin VCN Diaphragm**



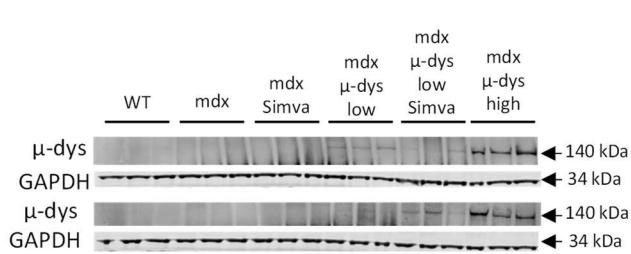
**Fig-Sup-1c.**  
**Microdystrophin mRNA GA muscle**



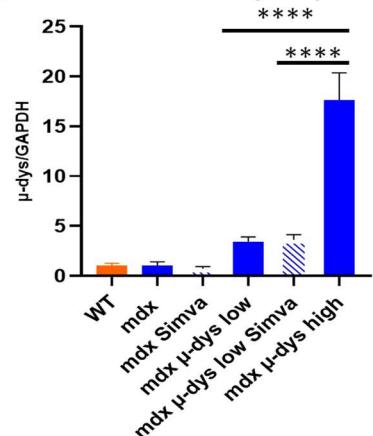
**Fig-Sup-1d.**  
**Microdystrophin mRNA Diaphragm**



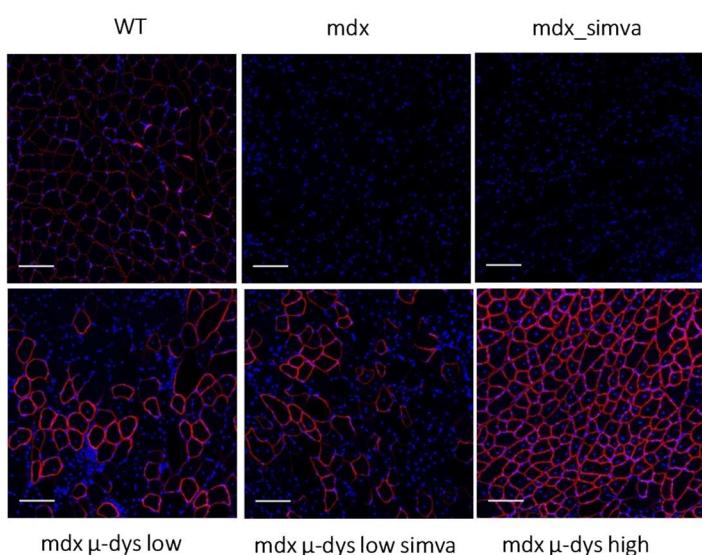
**Fig-Sup-1e.**  
**Microdystrophin protein GA muscle**



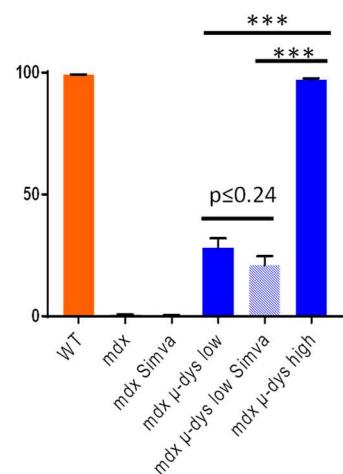
**Fig-Sup-1f.**  
**Quantification microdystrophin GA muscle**



**Fig-Sup-1g.**  
**Microdystrophin positive fibers GA muscle**



**Fig-Sup-1h.**  
**Microdystrophin positive fibers (%) GA muscle**



**Supplemental Figure S1. Transgene expression.** (Sup-1a, 1b). Vector copy number (VCN), normalized to the genomic *Rplp0* (P0) was evaluated in the GA (1a), and diaphragm (1b) muscles. (Sup-1c, 1d). mRNA expression of the microdystrophin ( $\mu$ -dys) in the GA (1c), and diaphragm (1d) muscles was quantified by RT-qPCR. (Supp-1e, f). The expression of the microdystrophin in the GA muscles was quantified by a Western blotting (1e), and presented graphically in (1f) after normalization to GAPDH. (Supp-1g, h). Transversal sections of the GA muscles were stained for dystrophin expression (1g, scale bar = 100 $\mu$ m), and presented graphically in 1h.