Table S4 Biological function identified by IPA in overlap genes which are significantly changed in both young and old TauTKO muscle.

Category	Diseases or Functions	p-Value	z-score	Molecules
	Annotation			
Amino Acid	uptake of neutral amino	4.67E-05		EDN1, SLC38A2, SLC6A9
Metabolism	acid			
	quantity of L-aspartic	1.49E-02		PRODH
	acid			
Cellular	formation of connective	4.40E-03	0.152	BIRC5, FRZB, SFRP2, SFRP4
Growth and	tissue cells			
Proliferation				
	colony formation of	8.47E-03	1.097	ANKRD1, BIRC5, EDN1, GADD45G,
	cells			HSPA1A/HSPA1B, LOXL4, RUNX1,
				SFRP2, TP63
Protein	expression of protein	3.39E-03	1.134	APLP1, HSPA1A/HSPA1B, IGF2BP2,
Synthesis				IGHM, SRCIN1, TP63, YBX2
Lipid	synthesis of dinoprost	3.47E-03		EDN1, IGHM
Metabolism				
	quantity of steroid	1.02E-02	1.116	CES1D, CYP27A1, EPHX2, MCHR1,
				SHBG, SRGAP3, TIMP1, TNFRSF12A,
				WNT4
Protein	refolding of protein	4.08E-03		DNAJA4, HSPA1A/HSPA1B
Folding				