

**Supplementary Table 1**

Alternative Splicing Event (ASE)	C25Cl48 d3-diff (%)	skeletal muscle <sup>a</sup> (%)	predicted impact on the reading frame
del E71	37.32	1.80	in frame
del E78	27.30	2.48	elongated C-term
PE1a	12.69	3.06	out of frame
del E38	4.93	ND	In frame
del E37	2.97	0	In frame
del E6-41	2.18	0	in frame
3'ss exon 54 (-3 nt)	1.75	1.12	in frame
del E9	1.55	0.63	in frame
del E2	1.01	ND	out of frame
PE51X	0.56	0.21	in frame
del E71-74	0.42	ND	in frame
del E39	0.43	ND	in frame
3'ss exon 78 (-4 nt)	0.26	0.43	out of frame
del E17-44	0.33	0	in frame
del E41	0.38	ND	in frame
del E73	0.28	0.32	in frame
del E19-44	0.27	0	in frame
del E56-78	0.26	0	in frame
3'ss exon 76 (-60 nt)	0.32	0.33	in frame
del E68	0.25	ND	out of frame
PE12X	0.25	0	in frame
PE2a	0.12	ND	out of frame