

Table S1

Study-specific Designation	Common Name	Jax #	SMN2 Copy #	SMA genotype	Breeding Strategy	Median survival untreated SMA	Primary outcome measures	Secondary outcome measures	Reference	% SMA pups/litter
5058-Hemi-FVB/N	Taiwanese Hemizygous	#005058	2	$Tg(SMN2)2Hung^{tg/0}; Snn^{tm1Hung/tm1Hung}$	♂: $Snn^{tm1Hung/Wt}$ (FVB/N) X ♀: $Tg(SMN2)2Hung^{tg/tg}; Snn^{tm1Hung/tm1Hung}$	9 days	Survival, righting reflex	Weight	Hsieh-Li et al., 2000; Gogliotti et al., 2010	50%
5058-Hemi-Hybrid	N/A	#006146 #005058	2	$Tg(SMN2)2Hung^{tg/0}; Snn^{tm1Hung/tm1.1Jme}$	♂: $Snn^{tm1.1Jme/Wt}$ (C57BL/6J-congenic) X ♀: $Tg(SMN2)2Hung^{tg/tg}; Snn^{tm1Hung/tm1Hung}$	22 days	Survival, Pedal edema	Weight, ECG, NMJ Pathology	Current Study	50%
5058-Homozygous	Taiwanese Homozygous	#005058	4	$Tg(SMN2)2Hung^{tg/0}; Tg(SMN2)2Hung^{tg/0}; Snn^{tm1Hung/tm1Hung}$	♂: $Tg(SMN2)2Hung^{tg/tg}; Snn^{tm1Hung/tm1Hung}$ X ♀: $Tg(SMN2)2Hung^{tg/tg}; Snn^{tm1Hung/tm1Hung}$	WT survival	Protein and RNA Analyses	N/A	Hsieh-Li et al., 2000; Gogliotti et al., 2010	100%

**Table S1** SMA models utilized in this study. The table outlines the 3 SMA mouse models used in the present study, including the various nomenclatures, genotype, breeding strategy, median survival, and outcome measures of each mouse strain.