

Table Supplement 3. Phosphorylation sites, phosphopeptides and site-discriminating ions identified in co-immunoprecipitated Na_v α subunits from Sham and TAC mouse left ventricles using MS

Na _v α subunit	Phosphorylation site(s)	Phosphopeptide sequence	m/z (charge)	-10lgP	b ion	Phospho b ion	y ion	Phospho y ion	TAC/Sham ratio
Na _v 1.4	S522 + S525	512-GPPRPSCSAE(pS)AI(pS)DAMEELEEAAHQK	861.889 (+4)	48.1	b10 (+2)	b12	y11	(-)	1.0 ± 0.01 (n=2)
Na _v 1.4	S525	512-GPPRPSCSAESA(pS)DAMEELEEAAHQK	841.893 (+4)	60.3	b13 (+2)	b15 (+2)	y10 (+2)	(-)	1.0 ± 0.07 (n=2)
Na _v 1.4	S900	899-S(pS)IEMDHLNFNNPYLTIHVPIASEESDLEMPTEETDTFSEPEDIK	1486.948 (+4)	54.2	b1	b2	(-)	(-)	1.3 (n=1)
Na _v 1.4	S1819	1790-EKDSTEDAGPTTEVTAPSSSDTALTPPPP(pS)PPPPSSPPQGQTVRPGVK	927.474 (+6)	52.0	(-)	(-)	y18 (+2)	y19 (+2)	0.7 ± 0.17 (n=2)
Na _v 1.3	S658	656-AM(pS)IASILTNTMEELEESR	817.386 (+3)	64.0	b2	b5	(-)	(-)	0.7 (n=1)

The site-discriminating ions observed in MS/MS spectra of each annotated Na_v1.4 and Na_v1.3 phosphopeptide support the assignment of the indicated phosphorylation site(s). The -10lgP scores attest quality of peptide identification. The manually verified charge state of unphosphorylated and phosphorylated site-discriminating b and y ions is reported in parentheses. The (-) symbol indicates that the ion was not detected. Mean ± SEM phosphopeptide abundance ratios in TAC LV (n=5) versus Sham LV (n=4) mdNa_vPAN-IPs were calculated from n phosphopeptide(s). No significant differences between TAC and Sham IPs were observed.