

Mruk et al., <http://www.jgp.org/cgi/content/full/jgp.201311140/DC1>

Tables S1 and S2 are available for download as Excel files.

	S1	S2	S3
Motif Score	04AAACZZZZZZZZZZC885	36ACCEZZZZZZZZFFB883	022588ACCCBBB9960000
Residue	98 AFVYHVFIFLLVFSCLVLSVL 118 132	LLILEFVMIVVFGLEYIVRVW 152 173	PFCVIDFIVFVASVAVIAAGT 193
1-10	1222234556655543221	12333333444433333221	1112234444333221
1-5-10	12222345555444432111	1222222221	112333333221
1-12	11112334555544443221	112223445666554443221	111111111111111
1-14	111123333333322221	1112223333333222111	111111111111111
1-8-14	1111111111111111	1112222222222111	111111111111111
1-5-8-14	1111111111111111	111111111111111	111111111111111
1-16	122233333333332111	122233333333332111	1111111111111111
	S4	S5	S6
Motif Score	0111111223322333333333	4777CCDDFZZZFEBBBA422	03666666779776443333
Residue	202 ALRSMRFLQILRMVMDRRGGTW 224 238	LITAWYIGFLVLI FASFLVYL 258 297	RVLAAGFALLGISFFALPAGI 317
1-10	1111111111 1111111111	122233334544443333211	1111111121111111111
1-5-10		111122234333322221	1111111121111111111
1-12		1222233344432222111	1111111222211111111
1-14	1111111111111111	11112222222221111	111111111111111
1-8-14		111111111111111	111111111111111
1-5-8-14		111111111111111	
1-16	1111111111111111	1111111111111111	1111111111111111

Figure S1. A positive charge discriminator excludes most KCNQ4 transmembrane domains from being predicted as CaM-binding domains. Depiction of the canonical CaM-binding motifs within each transmembrane domain (S1–S6) of KCNQ4 channels. Totals (in hexadecimal) for each residue are shown. Values greater than F are scored as “Z.” Yellow highlighted residues denote the meta-analysis predictions.