Supplemental Data for *Molecular Pharmacology* article:

Title: Structural Determinants for the Selectivity of the Positive KCa3.1 Gating Modulator 5-Methylnaphtho[2,1-d]oxazol-2-amine (SKA-121)

Authors: Brandon M. Brown, Heesung Shim, Miao Zhang, Vladimir Yarov-Yarovoy, Heike Wulff

Journal Title: *Molecular Pharmacology*

This file contains:

1 Supplemental Figure showing that the K_{Ca}3.1-R362S mutation also significantly reduces the potency of SKA-31 and SKA-111.

PDB file 1

K_{Ca}3.1 CaM-BD/CaM without SKA-121 in the interface

PDB file 2

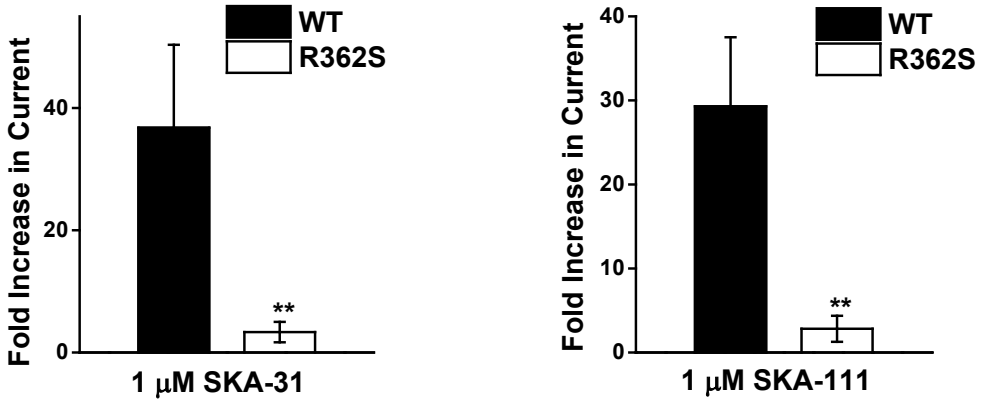
K_{Ca}3.1 CaM-BD/CaM with SKA-121 in the interface

PDB file 3

K_{Ca}2.3 CaM-BD/CaM without SKA-121 in the interface

PDB file 4

K_{Ca}2.3 CaM-BD/CaM with SKA-121 in the interface



Supplemental Figure 1:

The K_{Ca}3.1-R362S mutation also significantly reduces the potency of SKA-31 and SKA-11. Shown are fold increases in current (mean ± SD) compared to WT control at 250 nM free internal [Ca^{2+}] from = 3-5 independent cells per condition (two sample t-test assuming equal variance). * = $P < 0.05$, ** = $P < 0.01$, *** = $P < 0.001$.