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**Protein Kinase C Downregulation Enhanced Ca^{2+}_e -Induced Relaxation of Isolated
Mesenteric Arteries from Aged Dahl Salt-Sensitive Rats**

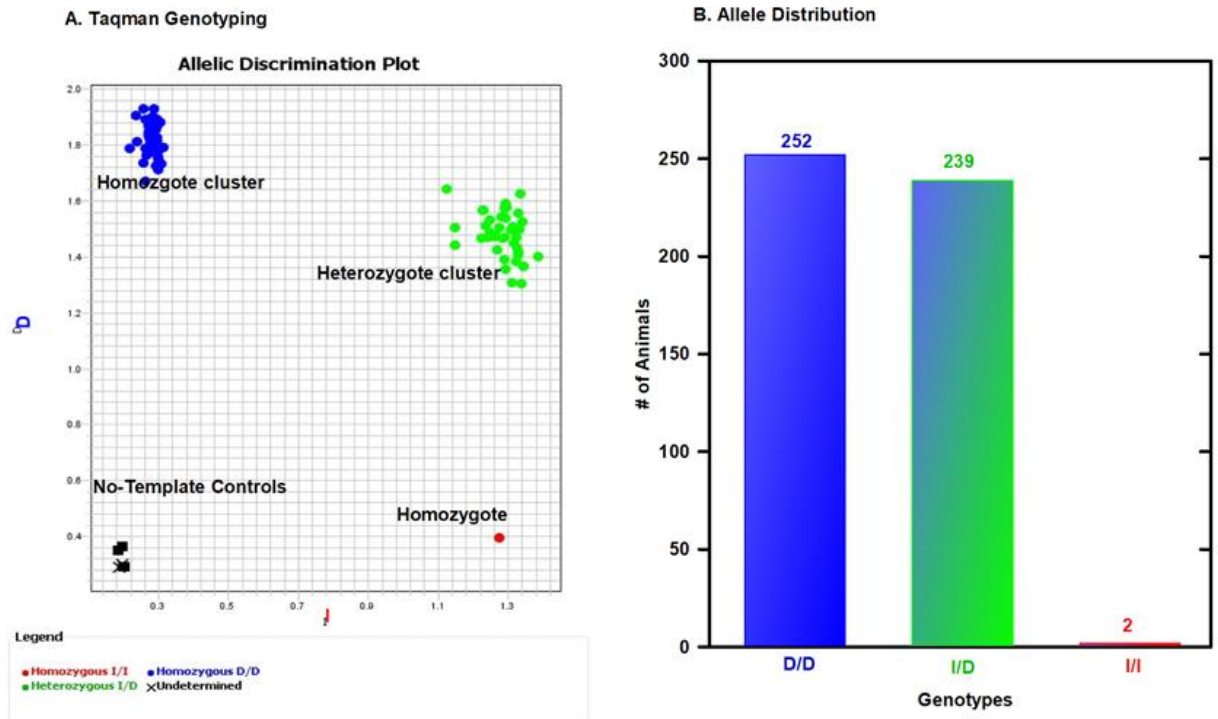
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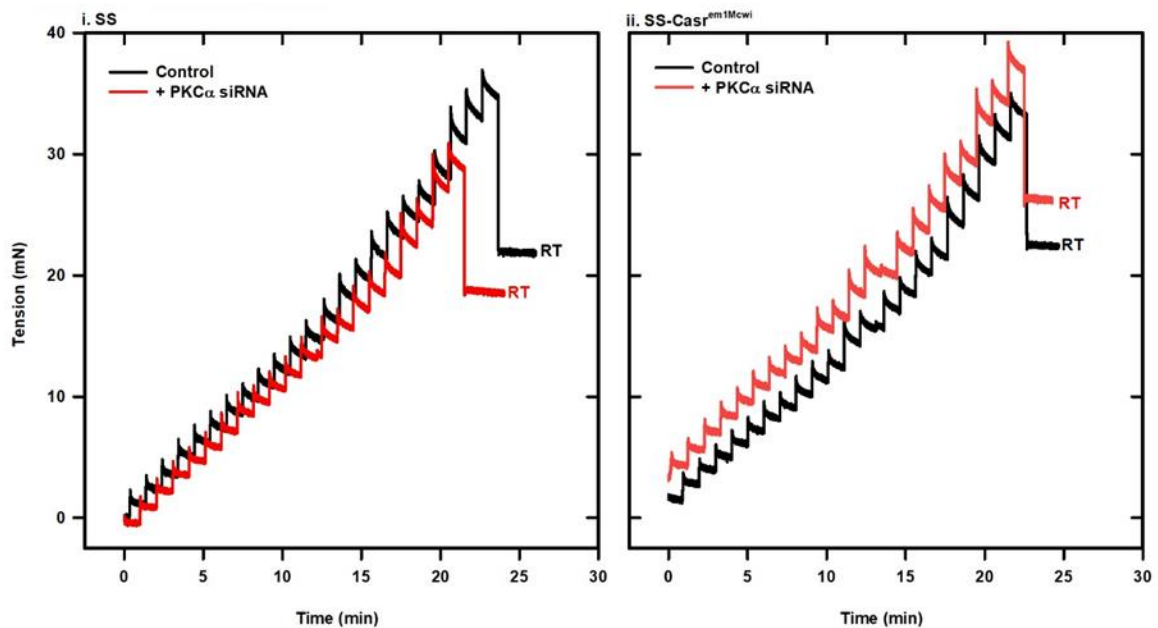
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Supplemental Figure 1

Genotyping of SS-Casr^{em1M^{cwi}} rats. **A.** A representative SNP Genotyping Assay of tail DNA samples from 493 rats. **A.** Allelic discrimination plot for offspring obtained from breeding experiments. DNA was extracted from tail samples from animals with the DNeasy® Kit (Valencia, CA) and analyzed by a Custom Taqman® SNP Genotyping Assay. **D/D** = Homozygous dominant (Wild Type), **I/D** = Heterozygous, **I/I** = Homozygous recessive. **B.** Bar chart showing the allelic distribution in animals obtained from breeding of heterozygous male and female SS-Casr^{em1M^{cwi}} rats to establish a colony containing wild type and mutant rats for the studies.



Supplemental Figure 2

Effects of CaSR and PKC α Downregulation on Normalized and Phenylephrine Tensions in Mounted Mesenteric Arteries from SS and SS-Casr^{em1M}cwi rats.

Normalization of untreated and PKC α siRNA-treated vessels from SS (i) and SS-Casr^{em1M}cwi (ii) rats. Segments (2 mm) of isolated mesenteric arteries were mounted in a wire myograph chamber in PSS medium (containing 1 mM Ca²⁺ and 100 μ M ascorbic acid), equilibrated at 37°C and gassed with a mixture of 95% air and 5% CO₂. Vessel segments were normalized by step-wise increases in passive force until a resting tension (RT) was achieved.