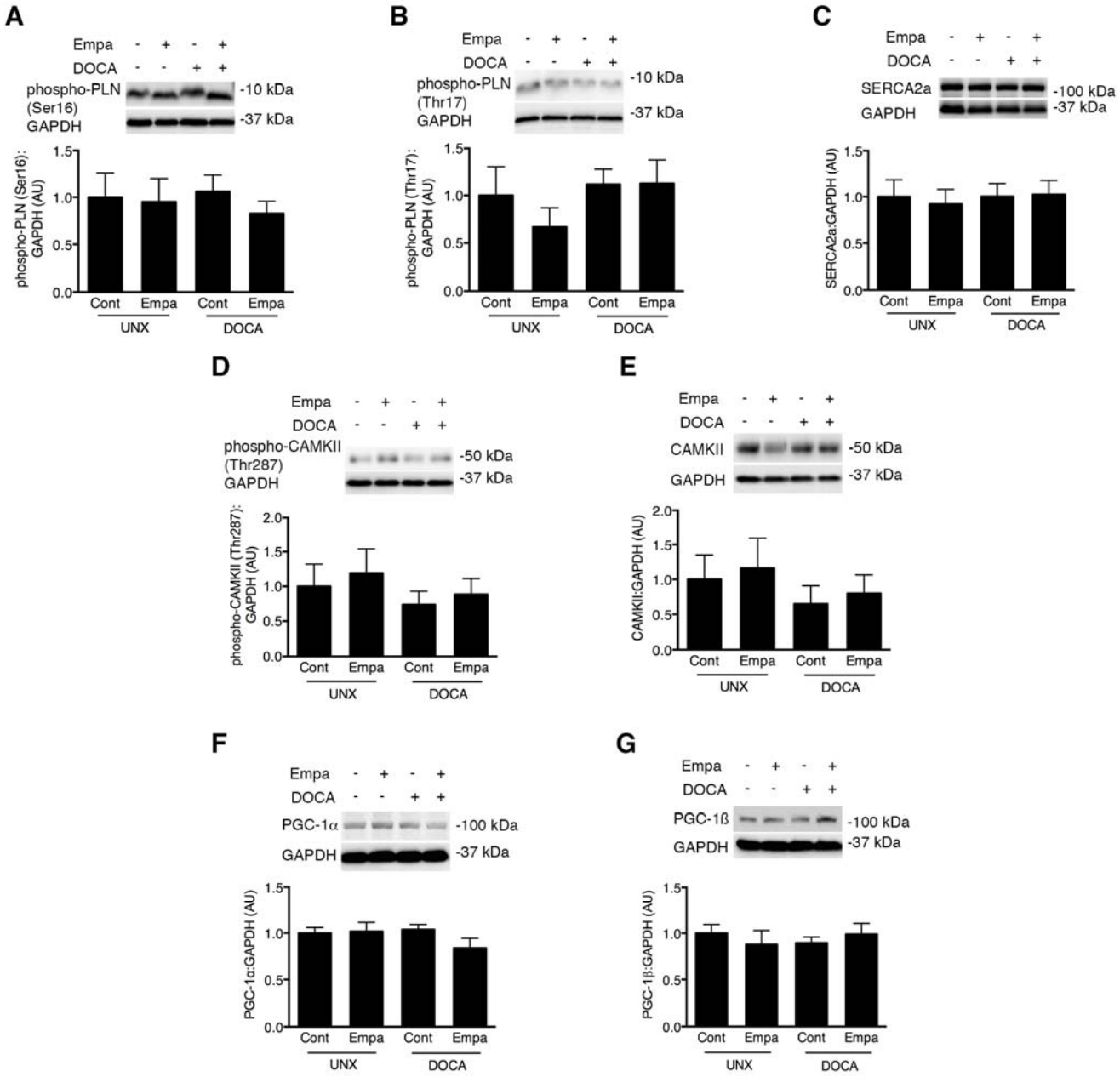
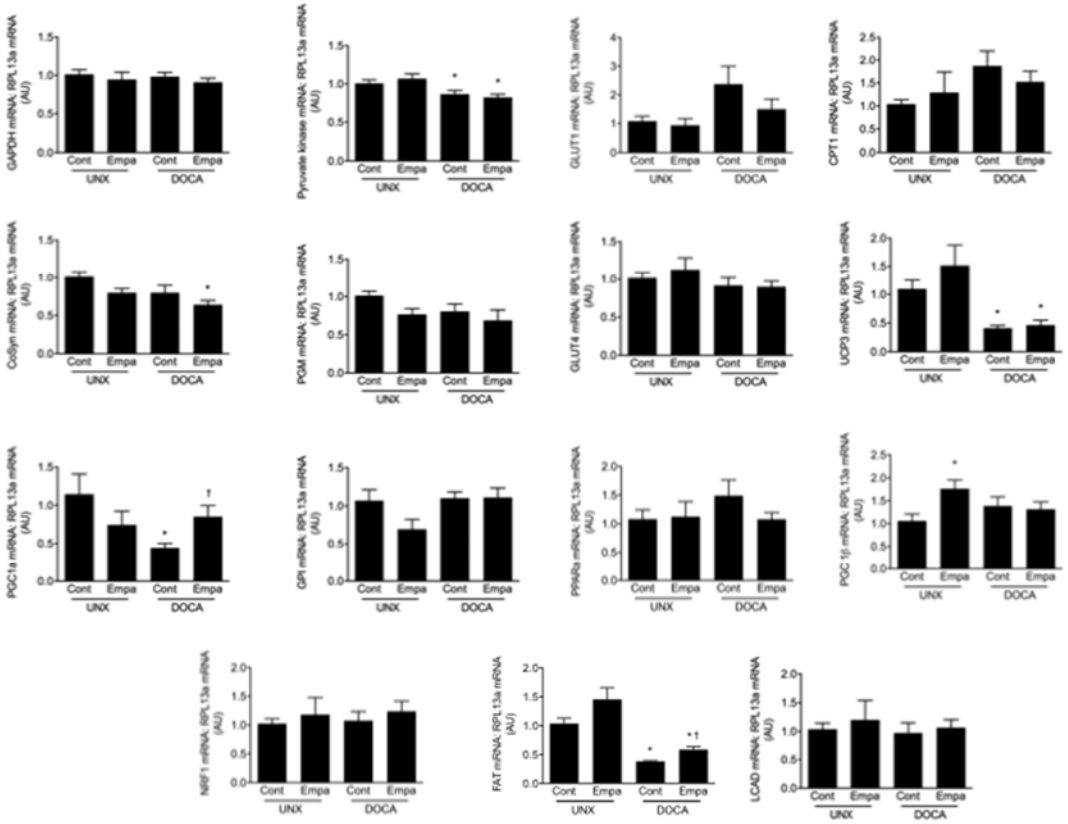
Supplementary Figure 1:

Immunoblotting for phosphorylated and total levels of key proteins involved in cardiac hypertrophy and calcium signalling. Although there was considerable between sample heterogeneity, there were no consistent differences, with either DOCA salt or empagliflozin therapy, in the levels of any of the protein or phospho-proteins probed for. N=6 per group.



Supplementary Figure 2:

Assessment of key metabolic genes involved in fat and glucose transport, oxidation and mitochondrial biogenesis. DOCA Salt animals demonstrated reductions in UCP3, PGC1alpha, Fatty acid protein/ CD36 and pyruvate kinase. Empagliflozin therapy improved PGC1alpha mRNA only. * $p<0.05$ compared to UNX control animals. † $p<0.05$ compared to DOCA control animals. See supplementary table 1 for primers and full list of genes assessed. N= 8 for Control UNX, N=7 for UNX EMPA, N=14 for Control DOCA, N=13 for EMPA DOCA.



Primers:

18SrRNA-F	21	AGTCCCTGCCCTTTGTACACA
18SrRNA-R	19	CGATCCGAGGGCCTCACTA
Rat Glut-1 F	20	CCCCAGAAGGTAATTGAGGA
Rat Glut 1 R	20	GATTAACAAAGAGGCCCACA
Rat Glut 4 F	20	TGGCATGGGTTTCCAGTATG
Rat Glut 4 R	20	GGTTTCACCTCCTGCTCTAA
Rat Hexokinase type II F	20	CACTCCAGATGGCACAGAGA
Rat Hexokinase type II R	19	TAACCTCCGTGGGATGGAG
Rat GPI F	18	ACTCTCCATCGCACTGCA
Rat GPI	18	ACTGGTCATAGGGCAGCA
Rat PFK 1 F	20	GTGGAAACCCAACTCCCTTT
Rat PFK 1 R	20	CCCCAGAACACAACCTGAGT
Rat GAPDH F	20	GGATGCAGGGATGATGTTCT
Rat GAPDH R	22	GAAGGGCTCATTGACCACAGTT
Rat PGM F	18	TGGCTGGTTTGATGCAGA
Rat PGM R	18	ACCCACATTTGGTCCGTA
Rat Pyruvate kinase F	20	GGAAGGTCCTGGGAGAGAAG
Rat Pyruvate kinase R	20	AATCTCAATGCCCAGGTCAC
Rat PDH E1a F	20	ACAGTGCTCACCAGAGAGGA
Rat PDH E1a R	20	CAGGCTTCCTGACCATCACA
Rat FAT F	19	GACCATCGGCGATGAGAAA
Rat FAT R	20	CCAGGCCCAGGAGCTTTATT
Rat Acyl-CoA synthetase F	20	AACACGTCAGTGAAGCGATG
Rat Acyl-CoA synthetase R	20	AACACATTTGCCCCTTTCAC
Rat CPT 1 F	20	ATGTTTGACCCAAAGCAGTA
Rat CPT 1 R	20	TCATGTAGGAAACCCCGTAT
Rat LCAD F	21	TTTTCCGGGAGAGTGTAAGGA
Rat LCAD R	20	CTCTGCAATGTTGATGCCAA
Rat PPARa F	22	ACCCGAGAGAGTTCCTAAAGAA
Rat PPARa R	20	AATGTCACTGTCATCCAGTT
Rat PGC1a F	21	CACCAAACCCACAGAGAACAG
Rat PGC1a R	21	GCAGTTCCAGAGAGTTCCACA
Rat NRF 1 F	21	TTACTCTGCTGTGGCTGATGG

Rat NRF 1 R	21	CCTCTGATGCTTGCGTCGTCT
Rat Uncoupling protein 3 F	21	GCCGCTTGGTACTTTCCTCAT
Rat Uncoupling protein 3 R	17	CGACCCCTGGGCAGAGA
Rat TFAM F	21	GAAAGCACAAATCAAGAGGAC
Rat TFAM R	21	CTGCTTTTCATCATGAGACAG
Rat ANT F	21	TGCTCAAGTTCACAGGTTCAC
Rat ANT R	20	CTTCTGTTTGCTGTGGAATC
Rat COX-1 F	21	AGCAGGAATAGTAGGGACAGC
Rat COX-1 R	21	TGAGAGAAGTAGTAGGAGGCC
Rat m-creatine kinase F	21	CCACAACAAGTTCAAGCTGAA
Rat m-creatine kinase R	21	AAGATCTCCTCAATCTTCTGC
Rat b-creatine kinase F	17	GCCGCCATGCCCTTCTC
Rat b-creatine kinase R	20	CTTAGACTTGAAGAGATTTC
Rat ANF F	23	CCGATAGATTCTGCCCTCTTGAA
Rat ANF R	20	CCCGAAGCAGCTTGATCTTC
Rat PGC1B F	20	TCTCACACCCCAGTCCAGAA
Rat PGC1B R	20	AGGCTTGTTGACATCCCGTT
Rat rRPL13a F	20	GATGAACACCAACCCGTCTC
Rat rRPL13a R	20	CACCATCCGCTTTTTCTTGT