

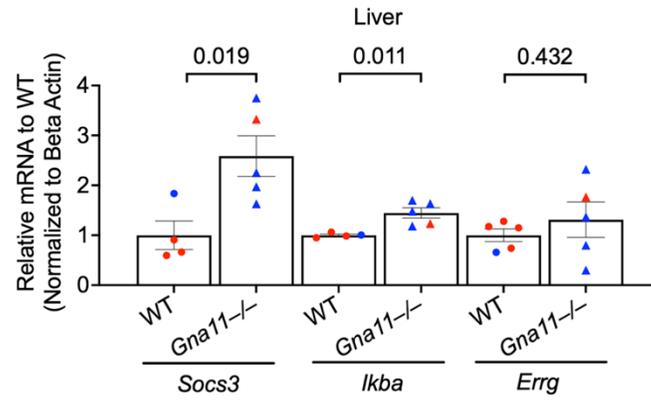
Supplementary Information

G α_{11} deficiency increases fibroblast growth factor-23 levels in a mouse model of Familial Hypocalciuric Hypercalcemia

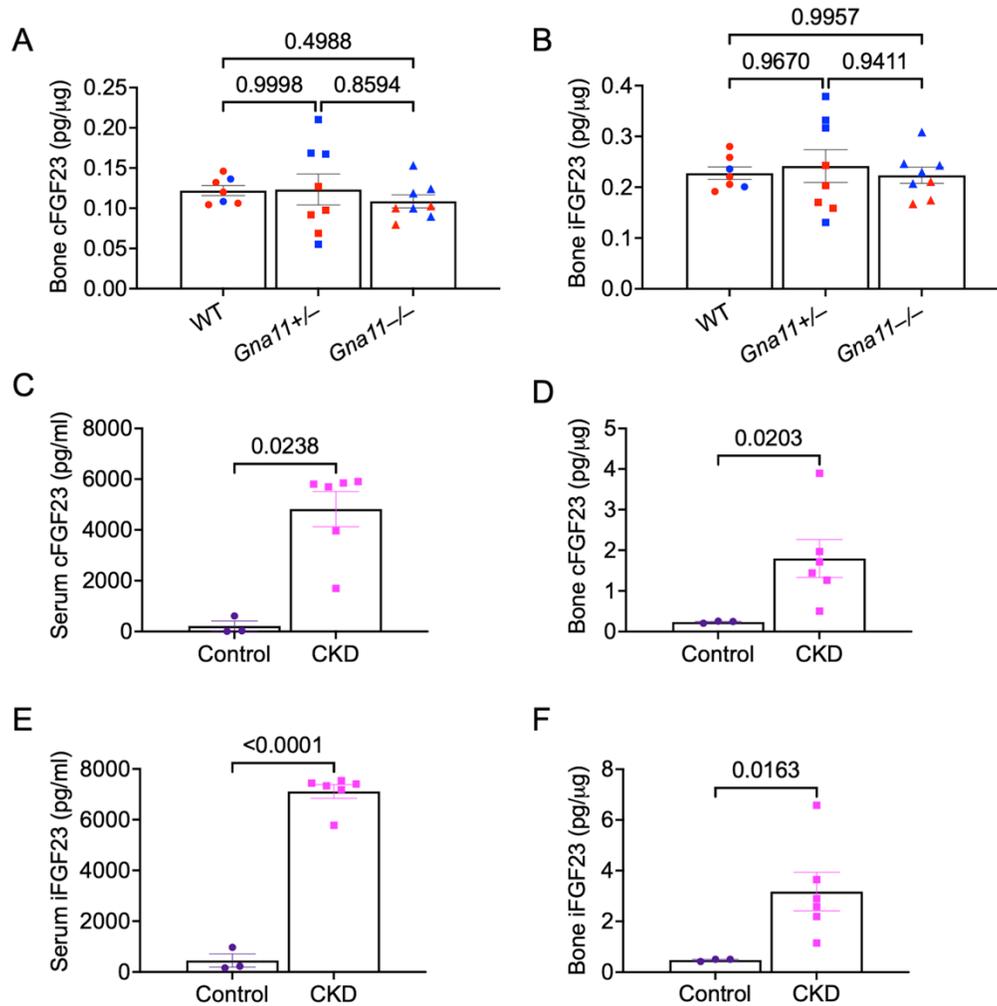
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Supplementary Table S1. Sequences of primer pairs used in qRT-PCR.

Gene	Forward (5'→3')	Reverse (5'→3')
<i>Acta2</i>	TGAAGAGGAAGACAGCACAGC	GCCCATTC CAACCATTACTCC
<i>Cyp24a1</i>	GTGCGGATTTCTTTGTGAT	GGGATTCCGGGATAGATTGT
<i>Cyp27b1</i>	CAAATGGCTTTGTCCCAGAT	GGCTGTCTTCCGAATGGTTA
<i>Errg</i>	AAGATCGACACATTGATTCCAGC	CATGGTTGAACTGTA ACTCCCAC
<i>Fam20c</i>	GCTCATCATGACCTTCCAGA	CGCATTGTGCCTCTCATAGT
<i>Furin</i>	GGAGCCAGTTTTGACGTGAA	CTACGCCACAGACACCATTG
<i>Galnt3</i>	GAATTTCTCTGCACCGGGAC	CGTGGACCATGCTTCATTGT
<i>Gna11</i>	GGTCGATGTGGAGAAGGTCA	CCACGTCCGTCAAGTAGTACT
<i>Gnaq</i>	CAGACAATGAGAACCGCATG	TCGACTAGGTGGGAATACATGA
<i>Icam1</i>	CTGTTTGAGCTGAGCGAGAT	GCTCCACACTCTCCGGAAA
<i>Ikba</i>	GAAAGCTGGCTGTGATCCTG	GCGTCAAGACTGCTACACTG
<i>Il1b</i>	AGTTGACGGACCCCAAAGA	GCTCTTGTTGATGTGCTGCT
<i>Il6</i>	TGAACAACGATGATGCACTTG	ACTCCAGAAGACCAGAGGAA
<i>Klotho</i>	AGACCTCCCGATGTATGTGAC	GTCCAACACGTAGGCTTTCA
<i>Lcn2</i>	CATTTGTTCCAAGCTCCAGGG	CATGGCGAACTGGTTGTAGTC
<i>Mcp1</i>	AGGTGTCCCAAAGAAGCTGT	GATCTCATTTGGTTCCGATCCA
<i>Socs3</i>	CCTCCTTTTCTTTGCCACCC	GCTCAGTACCAGCGGAATCT
<i>Tnfa</i>	CCACCACGCTCTTCTGTCTA	GGTCTGGGCCATAGA ACTGA
<i>Actb</i>	GATCTGGCACCACACCTTCT	GGGGTGTGTAAGGTCTCAA



Supplementary Figure 1. Expression levels of cytokine target genes, *Soccs3*, *Ikba*, and *Errg*, in the liver of *Gna11*^{-/-} mice. Two-tailed Student's t-test, mean \pm SEM, n = 4-5 mice. Blue: Males, Red: Females.



Supplementary Figure 2. Bone FGF23 concentrations of *Gna11* KO mice along with serum and bone FGF23 measurements of CKD mice. (A) Bone cFGF23 and (B) bone iFGF23 of *Gna11* KO mice, (C) Serum cFGF23, (D) bone cFGF23, (E) serum iFGF23, and (F) bone iFGF23 concentrations in CKD mice. A and B: One-Way ANOVA followed by Tukey's multiple comparisons, mean \pm SEM, n = 7-8 mice/group, Blue: Males, Red: Females, C-F: Two-tailed Student's t-test, mean \pm SEM, n = 3-6 mice/group.