

Figure S1. Transfection efficiency of TUG1 (A) KD and (B) OE in mouse podocyte clonal cells. RT-qPCR analysis indicated that transfection did not affect the expression of TUG1. Each experiment was repeated at least three times, and data are presented as the mean \pm SD. P-values were calculated using one-way ANOVA followed by Tukey's post hoc test. ^{ns}P>0.05 vs. WT group; ^{***}P<0.001 vs. si-NC group; ^{###}P<0.001 vs. NC-AAV group. WT, wild-type; TUG1, taurine-upregulated gene 1; KD, knockdown; OE, overexpression; NC, negative control, si, small interfering RNA; AAV, adeno-associated virus.

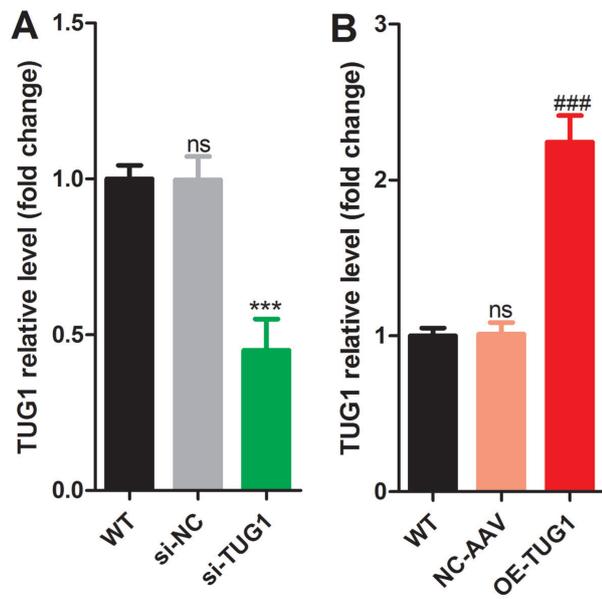


Figure S2. Transfection efficiency of (A) the miR-9-mimic and (B) the miR-9-inhibitor. RT-qPCR analysis indicated that transfection did not affect the expression of miR-9. Each experiment was repeated at least three times, and data are presented as the mean \pm SD. P-values were calculated using one-way ANOVA followed by Tukey's post hoc test. ^{ns}P>0.05 vs. WT group; ^{aaa}P<0.001 vs. mimic-NC group; ^{bbb}P<0.001 vs. inhibitor-NC group. NC, negative control; miR, microRNA; WT, wild-type.

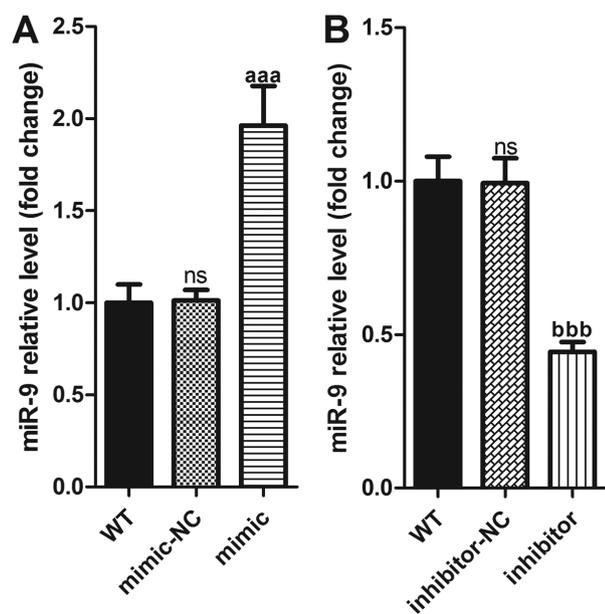


Figure S3. Transfection efficiency of SIRT1 overexpression in mouse podocyte clonal cells. Each experiment was repeated at least three times, and data are presented as the mean \pm SD. P-values were calculated using one-way ANOVA followed by Tukey's post hoc test. ^{ns}P>0.05 vs. WT group; ^{###}P<0.001 vs. NC-AAV group. SIRT1, sirtuin 1; WT, wild-type; NC, negative control; AAV, adeno-associated virus.

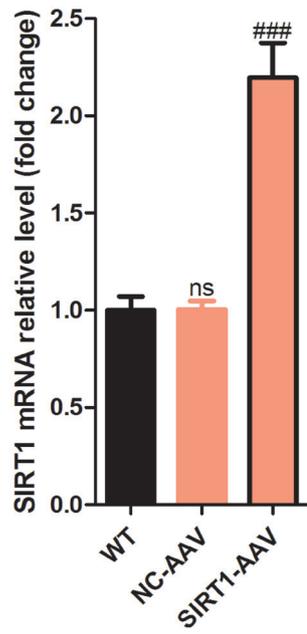


Figure S4. Representative MitoSOX™ staining images (magnification, x800). SIRT1, sirtuin 1; TUG1, taurine-upregulated gene 1; KD, knockdown; OE, overexpression; HG, high glucose.

