

**Table S1: Association of baseline deoxycholic acid greater than 58 ng/mL (median level) with baseline bone mineral density (n = 59)**

	$\beta$ -estimate (95% CI)	P-value
Unadjusted	1.11 (-6.06 to 8.28)	0.8
Model 1	0.95 (-6.54 to 8.44)	0.8
Model 2	3.24 (-4.62 to 11.10)	0.4
Model 3	3.64 (-4.47 to 11.75)	0.4
Model 4	3.67 (-4.99 to 12.33)	0.4
Model 5	3.52 (-5.69 to 12.73)	0.5

Model 1: unadjusted model + age

Model 2: model 1 + sex, race, body mass index, diabetes, hypertension, coronary artery disease

Model 3: model 2 + eGFR

Model 4: model 3 + calcium, phosphate

Model 5: model 4 + intact parathyroid hormone, fibroblast growth factor 23, treatment group (active vs. placebo)