Supplementary Table S1. Primer sequences used for reverse transcription–polymerase chain reaction

Gene name	Forward primer (5′–3′)	Reverse primer (5′–3′)	Tm	No. cycles
CYP27B1	gggcctatctgtgcttgacc	tgtcagtgaacactgtaagcatgg	60	35
Megalin	aacggtcagtgtattccgagcgaa	ttggcagtcgtcatctccatcaca	55	35
Cubilin	agggacacaaggaacctttgccta	gtctttgctgcagtcattgtggct	55	40
GAPDH	aagagagaggccctcagttg	ctcctgttgttatggggtctg	55	35
Osteopontin	ctgtctcccggtgaaagtg	gtcatccgtttcttcagagg	60	20
Osteocalcin	ctgcattctgcctctctgacct	gccggagtctattcaccacctt	58	35
Sox9	acggctccagcaagaacaag	ttgtgcagatgcgggtactg	55	30
BMP-7	agacgccaaagaaccaagag	gctgtcgtcgaagtagagga	60	35

Tm, annealing temperature; CYP27b1, cytochrome P450 family 27 subfamily B polypeptide 1; GAPDH, glyceraldehyde-3-phosphate dehydrogenase; Sox9, SRY-box containing gene 9; BMP-7, bone morphogenetic protein 7.

Supplementary Table S2. Bone mineral density of adenine-fed rats

	AC	Transplanted	Normal
tBMD (mg/cm^3)	373.5 ± 19.0[a]	371.5 ± 24.9[a]	476.4 ± 4.5
CBT (μm)	599 ± 13[b]	611 ± 14	604 ± 9

Data are the mean ± s.d. [a]$P < 0.0001$ compared with the corresponding normal group; [b]$P < 0.05$ compared with the corresponding transplanted group. Differences between adenine control (AC) and Transplanted groups were tested by unpaired *t*-test.

tBMD, total bone mineral density; CBT, cortical bone thickness.