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ABBREVIATIONS

Abbreviations	Term
A	Adenosine base
BLAST	Basic local alignment search tool
BMD	Bone mineral density
BMC	Bone mineral content
bp	Base pair
C	Cytocine base
°C	Degree celsius
<i>COL2A1</i>	Collagen type 2 alpha 1
<i>COL10A1</i>	Collagen type 10 alpha 1
DNA	Deoxyribonucleic acid
DXA	Dual energy X-ray absorptiometry
dATP	Deoxyadenosine triphosphate
dCTP	Deoxycytidine triphosphate
ddNTP	Dideoxynucleotide triphosphate
dGTP	Deoxyguanosine triphosphate
dTTP	Deoxythymidine triphosphate
dNTP	Deoxynucleotide triphosphate
<i>E. coli</i>	<i>Escherichia coli</i>
EDTA	Ethylenediamine tetraacetic acid
G	Guanine base
GAGs	Glycosaminoglycans
hr	Hour
<i>IGF-1</i>	Insulin-like growth factor-1
<i>IL-1</i>	Interluekin-1
kb	Kilobase

ABBREVIATIONS (Continued)

Abbreviations	Term
<i>MGP</i>	Matrix Gla protein
<i>MMP3</i>	Matrix metalloproteinase-3
min	Minute
mRNA	Messenger ribonucleic acid
ng	Nanograms
OA	Osteoarthritis
OD	Optical density
OC	Osteochondrosis
OCD	Osteochondritis
PCR	Polymerase chain reaction
PGs	Proteoglycans
pmole	Picomole
rpm	Round per minute
sec	Second
SDS	Sodium dodecyl sulfate
SNP	Single nucleotide polymorphism
T	Thymine base
TBE	Tris-Boric acid-EDTA buffer
TE	Tris-EDTA buffer
<i>TGFβ1</i>	Transforming growth factor β1
<i>TIMPs</i>	Tissue inhibitors of metalloproteinases
<i>TNF</i>	Tumor necrosis factor
μg	Micrograms
μl	Microliter