Text of the abstract

The present invention discloses use of at least one of *Lactobacillus plantarum* GKM3 and *Lactobacillus paracasei* GKS6 in the manufacture of a medicament for treating, preventing or relieving a bone disease, particularly osteoporosis. Said bone disease may be identified by a bone parameter being a blood calcium concentration, a bone volume density (BV/TV), a trabecular number (Tb.N), a trabecular thickness (Tb.Th), a trabecular spacing (Tb.Sp), or a combination thereof, and the medicament improves said bone parameter.