



## Supplementary

**Table S1.** Patient characteristics and lumbar and total hip bone mineral density prior to denosumab therapy.

Characteristic	Case 1	Case 2
Age (years)	73	48
Gender	Male	Female
Ethnicity	Japanese	Japanese
Glucocorticoids (mg/day)	20	20
Lumbar1-4 BMD (L-BMD) (g/cm <sup>2</sup> )	1.091	0.766
T score of L-BMD	-0.7	-2.9
Total hip BMD (H-BMD) (g/cm <sup>2</sup> )	0.894	0.664
T score of H-BMD	-0.4	-2.3