Supplemental figure 1: 25(OH)D levels at baseline and after 12 weeks in the placebo group. Paired student’s T-test was used for comparisons of 25(OH)D levels at baseline and follow-up.

Figure 1a: All subjects (n=96), p<0.001

Figure 1b: Subjects with a baseline 25(OH)D level <40 nmol/l (n=16), p=0.051
Figure 1c: Subjects with a baseline 25(OH)D level ≥40 nmol/l (n=80), p<0.001

Figure 1d: Subjects with a BMI <25 kg/m² (n=32), p=0.008
Figure 1e: Subjects with a BMI $\geq 25$ kg/m$^2$ (n=64), $p<0.001$

![Boxplot showing 25(OH)D levels at baseline and 12 weeks](image)

Figure 1f: Subjects with a baseline TT level <10.41 nmol/l (n=47), $p<0.001$

![Boxplot showing 25(OH)D levels at baseline and 12 weeks](image)
Figure 1g: Subjects with a baseline TT level $\geq 10.41$ nmol/l ($n=49$), $p=0.001$