Reviewer's report

**Title:** Water extract of the fruits of Alpinia oxyphylla inhibits osteoclast differentiation and bone loss

**Version:** 1  **Date:** 22 July 2014

**Reviewer:** Soo Young Lee

**Reviewer's report:**

The authors showed that WEAO inhibits osteoclastogenesis by suppressing RANKL-induced c-Fos and NFATc1 expression. They also showed that WEAO suppressed expression of negative regulator, such as Id2 and MafB. Consistently, WEAO blocked RANKL-induced bone destruction in mice. Overall, they clearly demonstrated effects of WEAO on osteoclasts in vitro as well as in vivo. These observations are interesting, and overall results are supported by the data in the present study. One minor issue is as following:

1. In Fig. 4B, include statistical analysis.

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests.