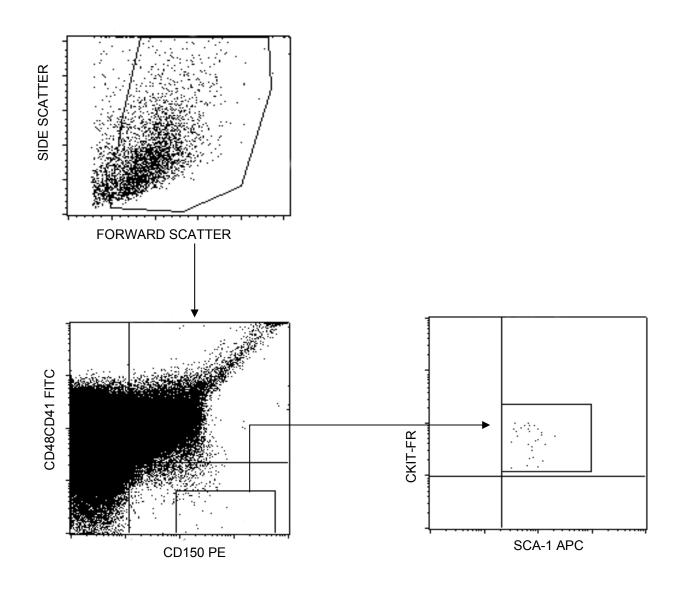
derived from sham treated animals responded to a hematopoietic stress by generating a BMP-2 response. The data are presented as fold change normalized to GAPDH, where the expression level of derived from the non-stressed animals was set as the standard. * *p < 0.05 versus the non-stressed animals (Krusal-Wallis test, and Dunn's multiple comparisons test).

Supplemental Figure 1: FACs profile of SLAM family isolated HSCs.

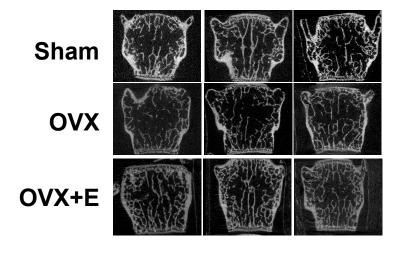
HSCs were isolated by flow cytometry as Sca-1⁺cKit⁺CD150⁺CD41⁻CD48⁻ cells. The CD150⁺CD41⁻ CD48⁻ cells were gated from the whole bone marrow with CD150 and CD48 and CD41 markers. They isolation was further confirmed by their double positivity for both Sca-1 and c-Kit.

Supplemental Figure 2: Radiographic evaluation of ovariectomized animals.

Radiographic images of lumbar vertebrae of mice were either sham operated (n=10), ovariectomized (OVX, n=10), or treated with OVX with hormone replacement (β -estradiol or E, n=10).



Supplemental Figure 1



Supplemental Figure 2