Supplementary Figure 1. Generation of Sprouty2-deficient mice.
(a) Schematic representation of the targeting construct, wild-type and mutant loci of the Sprouty2 gene. The position of the probe used for Southern blotting is shown. The sizes of the germline and recombinant HindIII restriction fragments are denoted by lines with arrowheads.
(b) Representative Southern blot analysis with HindIII-digested DNA from MEFs obtained from crosses between heterozygous mice. (c) Genotyping of newborn mouse tails by PCR.
(d) Detection of Sprouty2 mRNA in MEFs by RT-PCR. (e) Detection of Sprouty2 protein expression in MEFs by Western blotting. (f) Phosphorylation of ERK1/2 in MEFs from wild-type and Sprouty2-/- mice in response to FGF (50 ng/ml) for the indicated periods.