

**Fig. S1.** Identification of a pig with few active acceptor loci. **a.** Twenty-six F1 pigs were generated from a male pig (F0, #60) with multiple SBT/floxedUbi-GIN insertions. The transgene copy number in #60 and its F1 progeny was determined by qPCR on genomic DNA using primers amplifying part of *Neo*<sup>7</sup>. The individual pig number is written below each column and beneath that the estimated transgene copy number. **b.** Seven of the twenty-six F1 pigs with transgene copy numbers less than 10 were analyzed for GFP mRNA expression by RT-qPCR on cDNA made from RNA isolated from fibroblasts. The mRNA expression level observed for pig #2772 was normalized to the value of one. Pigs with number marked with \* died within a couple of weeks after birth. **c.** Fibroblasts from pig #2772 analyzed by epifluorescence microscopy to reveal GFP expression. *Left side*, fibroblasts viewed under normal light. *Right side*, fibroblasts viewed under blue light.