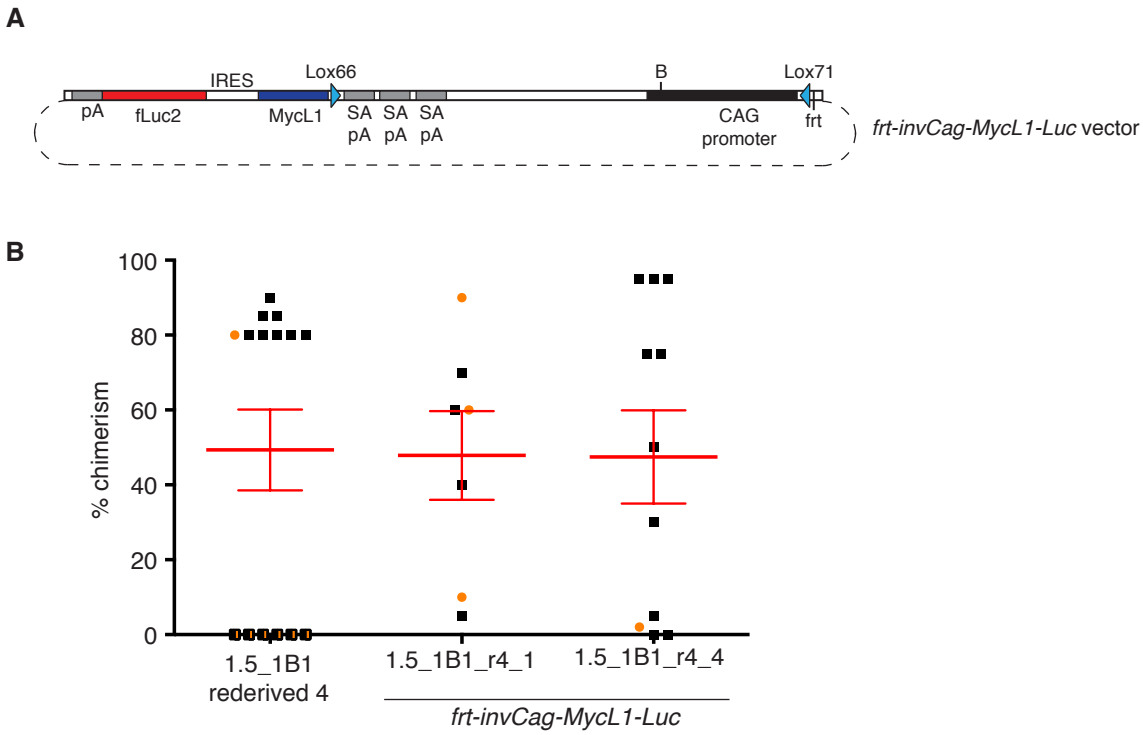

Supporting Information Figure 8: The MycL1 transgene and ESCs.

A. Schematic representation of the *frt-invCag-MycL1-Luc* vector. For clarity the vector is drawn linear and in the orientation it integrates in the genome. Note that the bacterial backbone, located between the splice acceptor/polyadenylation sites (SA pA) and the CAG promoter, is integrated in the *Col1a1* locus after Flp-in reaction.

B. Comparison of chimeric contribution between the parental $Rb1^{F/F};Trp53^{F/F}$ ESC clone 1.5_1B1 re-derived 4 and two *frt-invCag-MycL1-Luc* Flp-in derivatives. Correct Flp-in was confirmed PCR screening. Both clones provided good and germline-competent chimeras (Supporting Information Table 1). ■ male, ● female, ◧ n.d.