



### S2 Fig. Emergence of tobramycin-resistant recombinants in the mouse gut.

On day 0, two groups of germ-free mice were inoculated with respectively  $10^8$  CFU of MG/intl1 (carrying p6851 and pZE1intl1 allowing the expression of *intl1* SOS-regulated,  $n = 4$ ) **(A)** or MG/intl1\* (carrying p6851 and pZE1intl1\* allowing the constitutive expression of *intl1*,  $n = 3$ ) **(B)**. Emergence of tobramycin-resistant recombinants in the mouse gut was monitored by counting the CFU/g of faeces on selective medium supplemented with tobramycin. Total bacterial population carrying the two plasmids was monitored by counting the CFU/g of faeces on selective medium supplemented with kanamycin (p6851) and ampicillin (pZE1intl1 and pZE1intl1\*). Symbols represent the average of the CFU/g of faeces per day and error bars indicate the SD.