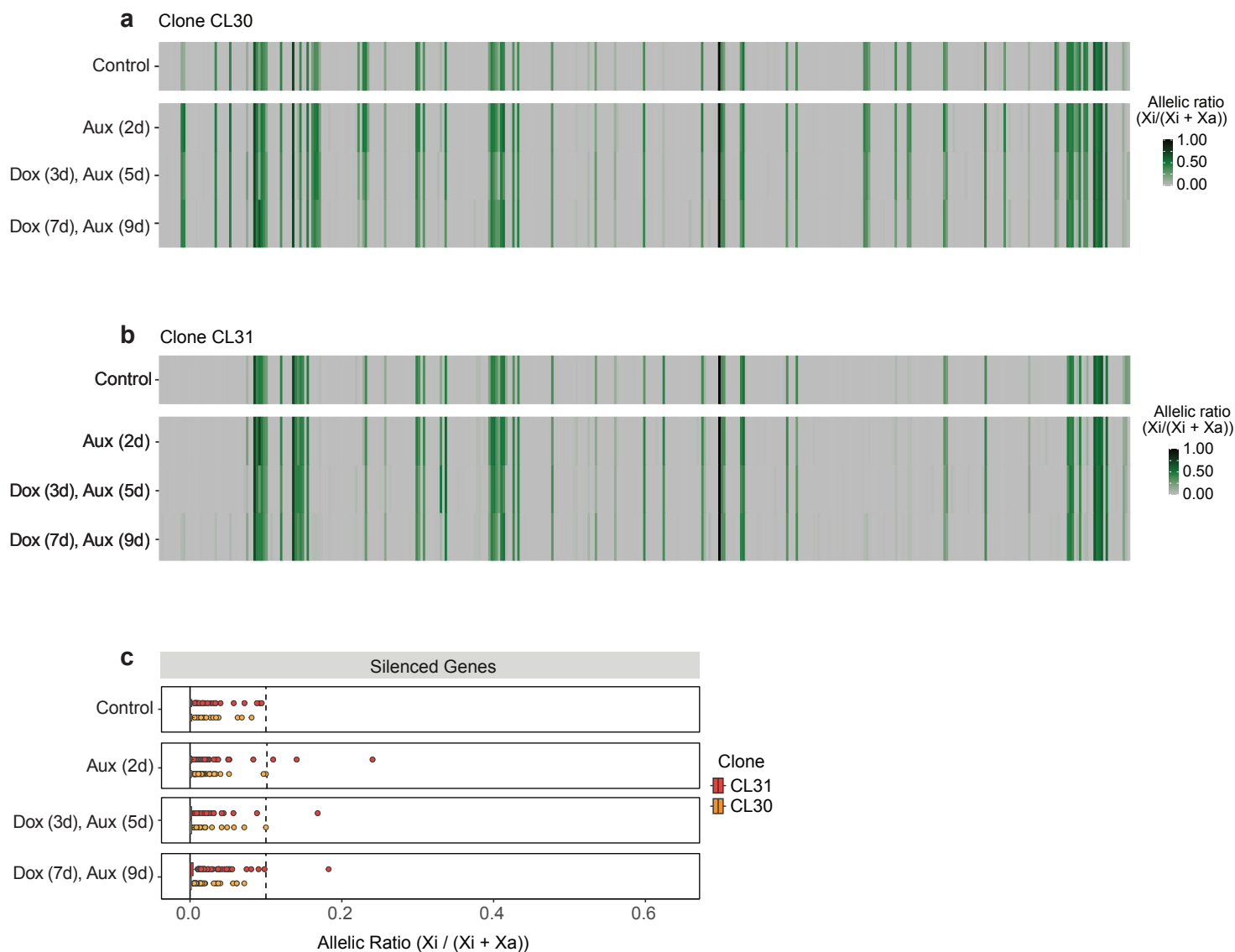


Escape from X inactivation is directly modulated by Xist noncoding RNA

In the format provided by the
authors and unedited



Supplementary Figure 1

a, b: Heatmap showing allelic ratios of X-linked genes in untreated condition and upon Xist for 3 days (Dox (3d)) and 7 days (Dox (7d)) and in combination with Auxin treatment (Dox (3d), Aux (5d) and Dox (7d), Aux (9d)) in NPC clone CL30 (**a**) and CL3 (**b**). Shown are average values across replicates (Control: $n = 3$, Aux (2d): $n = 2$, Dox (3d), Aux (5d): $n = 2$, Dox (7d), Aux (9d): $n = 2$). **c,** Boxplots showing allelic ratios of X-inactivated genes (average allelic ratio across control replicates < 0.1) in NPC clones CL30 and CL31. Three genes show reactivation after 2 days of auxin treatment, 1 gene after Dox (3d), Aux (5d), and 1 gene after Dox (7d), Aux (9d). Box plots show median, 25- and 75-quantiles and 1.5x inter-quartile range.

ATGCCAAAGAGACCCAGACCCTCTAGATTAGATAAAAGTAAAGTGATTAACAGCGCATTAGAGCTG
CTTAATGAGGTCGGAATCGAAGGTTTAAACAACCCGTAAACTCGCCCAGAAGCTTGGTGTAGAGCAG
CCTACACTGTATTGGCATGTAAAAAATAAGCGGGCTTTGCTCGACGCCTTAGCCATTGAGATGTTAG
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CCCCGACCGATGTCAGCCTGGGGGACGAGCTCCACTTAGACGGCGAGGACGTGGCGATGGCG
CATGCCGACGCGCTAGACGATTTTCGATCTGGACATGTTGGGGGACGGGGATTCCCCGGGTCCGG
GATTTACCCCCACGACTCCGCCCCCTACGGCGCTCTGGATATGGCCGACTTCGAGTTTGAGCA
GATGTTTACCGATGCCCTTGGAATTGACGAGTACGGTGGGTAG

Supplementary Figure 2

Sequence of the rtTA transactivator integrated at the Rosa26 locus in TX mice