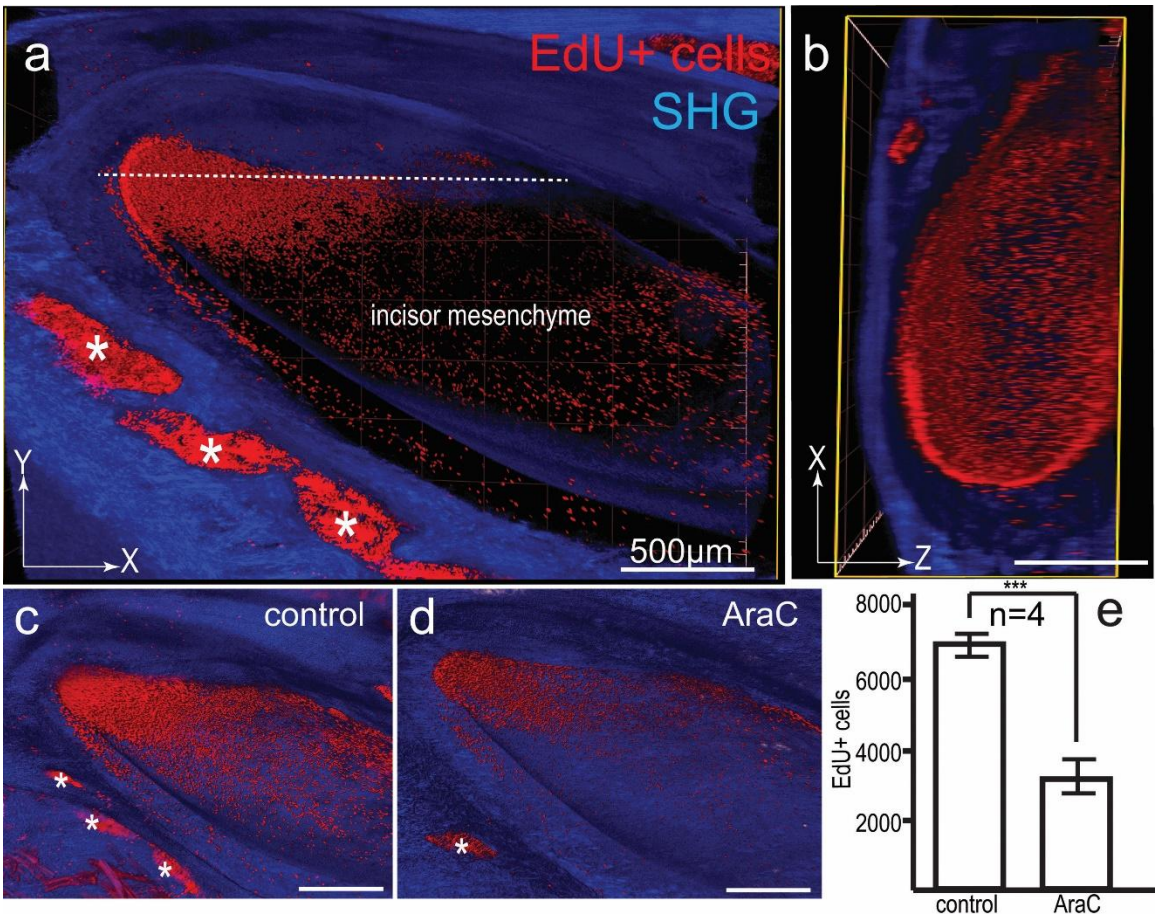
a
EdU+ cells
SHG
incisor mesenchyme
Y
X
500µm
b
X
Z
c
control
d
AraC
e
***
n=4
8000
6000
4000
2000
EdU+ cells
control
AraC

**Figure S10. Cytosine arabinoside (Ara-C) treatment reduced the number of transit amplifier cells (TA cells) within the mouse incisor.** EdU was injected to adult mice two hours before sacrifice. The mandibles were processed for whole mount EdU staining and clearing. Samples were imaged with a 10X objective on a two-photon microscope. **(a)**. XY stack was acquired to display the EdU+ cells within the incisor mesenchyme and bone marrow (asterisks). **(b).** XZ slice was acquired. The location was indicated with dotted line in **(a)**. Adult mice were injected with either PBS (control) or AraC for two weeks and processed as described above. 3-D images were acquired for control incisor **(c)** and AraC treated incisor **(d)**. Results were quantified in (**e**). All values are mean ± s.d., SHG, Second harmonic generation signal. Statistical significance (***, $P< 0.001$) was assessed by Student *t-test*. Scale bars, 500μm.