



Fig. 5 ePet-Cre. (A) Whole-mount X-gal stain showing LacZ expression directed by ePet-Cre in adult R26R^{ePet-Cre} brain. Black arrowheads, dorsal and median raphe. Asterisk, ventral medullary raphe. (B-I) ePet-Cre activity is restricted to developing and adult 5-HT neurons. Colocalization (D and G) of TPH (B and E) (FITC, anti-TPH 1:200) and β -gal (C and F) (Texas red, anti- β -gal 1:5,000) in B7 dorsal raphe nucleus (B-D) and B2 raphe obscurus nucleus (E-G). (H and I) Colocalization of Cre recombinase (FITC, anti-Cre recombinase 1:100) with 5-HT (Texas red, anti-5-HT 1:10,000) in rostral (H) and caudal (I) E12 hindbrain. (Scale bars: 800 μ m, A; 50 μ m, B-I.)