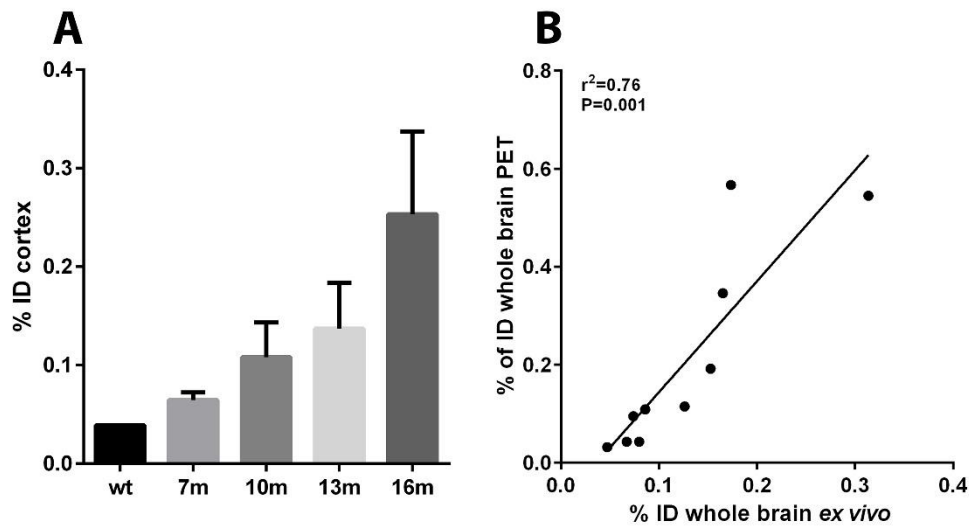


Supplemental Table 1: Animal Groups

Group		Age	Number of animals
7 month	Disease progression study	7m	n=2
10 month	Disease progression study	10m	n=2
13 month	Disease progression study	13m	n=2
16 month	Disease progression study	16m	n=3
Baseline	Treatment study, baseline group (analyzed at starting age)	10m	n=9
NB-360	Treatment study, treated group (with BACE-1 inhibitor)	13m	n=9
Vehicle	Treatment study, control group (without BACE-1 inhibitor)	13m	n=11



Supplemental Figure 1. PET quantification of disease progression and comparison between PET and *ex vivo* activity. **A.** PET image-based quantification of radioactivity, expressed as %ID per gram brain tissue, in cortex of ArcSwe animals at the age of 7, 10, 13, and 16 month in comparison with old wildtype mice. **B.** Correlation of % of injected dose between whole brain PET and *ex vivo* measurements.