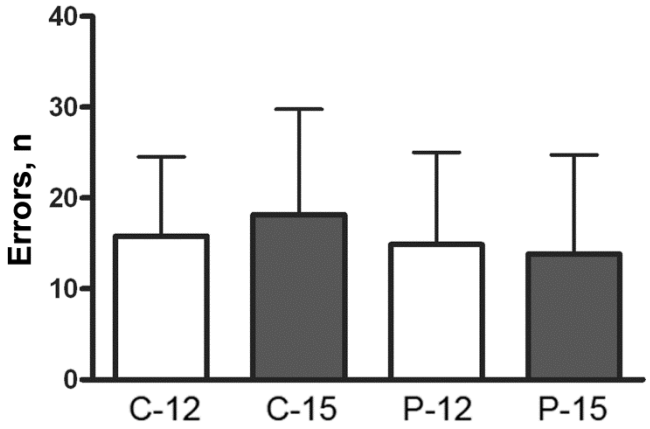
Online Supporting Material

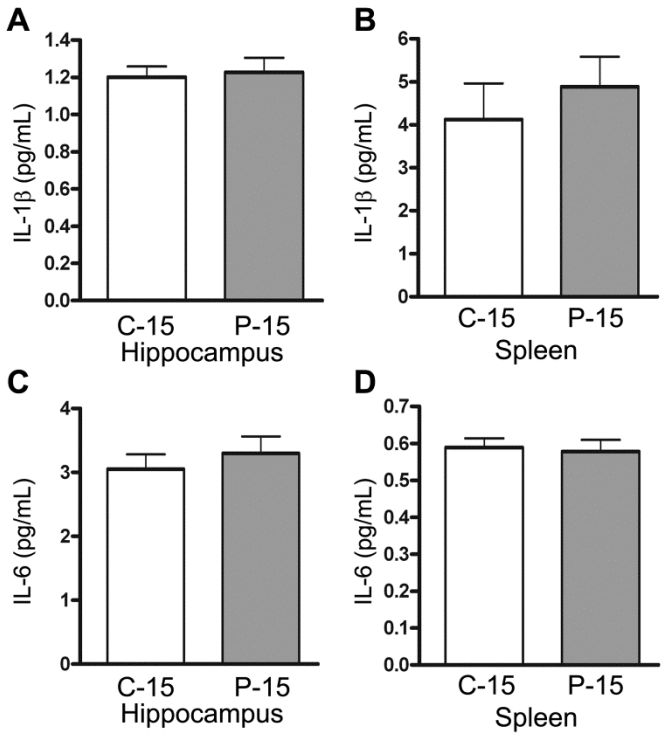
Supplemental Figure 1: Numbers of errors during Barnes maze escape in male APP/PS1 transgenic mice supplied with or without 0.625% pomegranate in their normal drinking water for 3 month treatment were not altered.



Values shown are mean ± SD, n=4.

Online Supporting Material

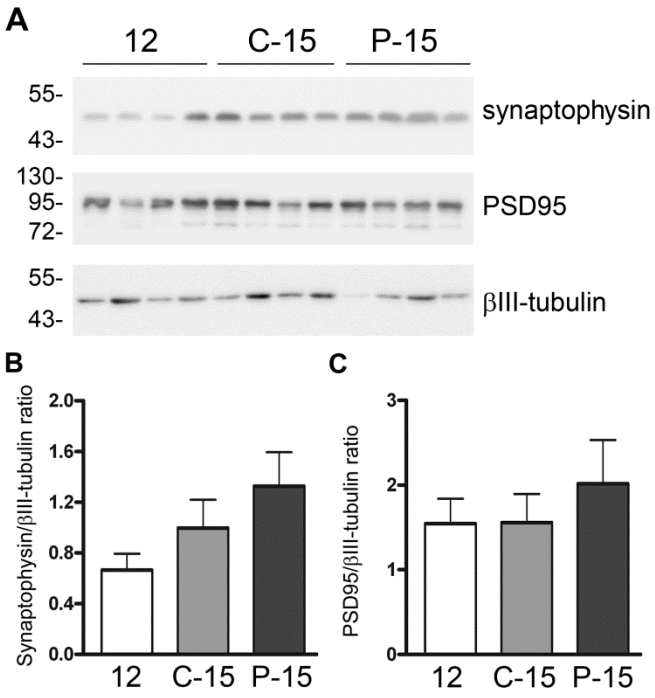
Supplemental Figure 2: Levels of proinflammatory cytokines IL-1β and IL-6 were not decreased in male APP/PS1 mice supplied with or without 0.625% pomegranate in their normal drinking water for 3 month treatment.



Values shown are mean ± SD, n=4.

Online Supporting Material

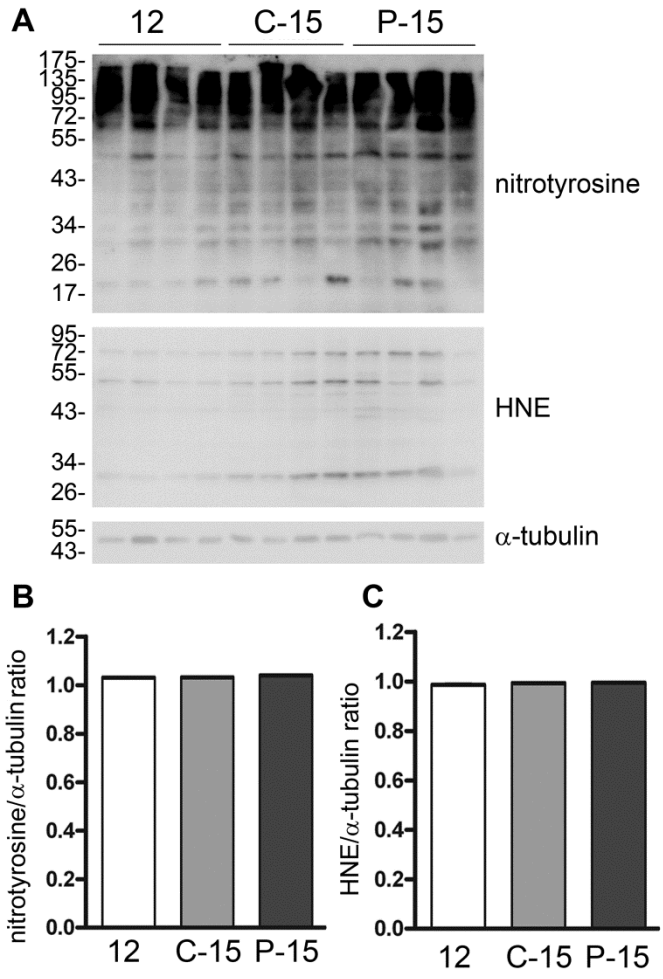
Supplemental Figure 3: Synaptic density did not change in brains of male APP/PS1 mice supplied with 0.625% pomegranate in their normal drinking water for 3 month treatment compared to 12 and 15 month male control APP/PS1 mice provided normal drinking water.



Optical density values were averaged and graphed ± SD, n=4.

Online Supporting Material

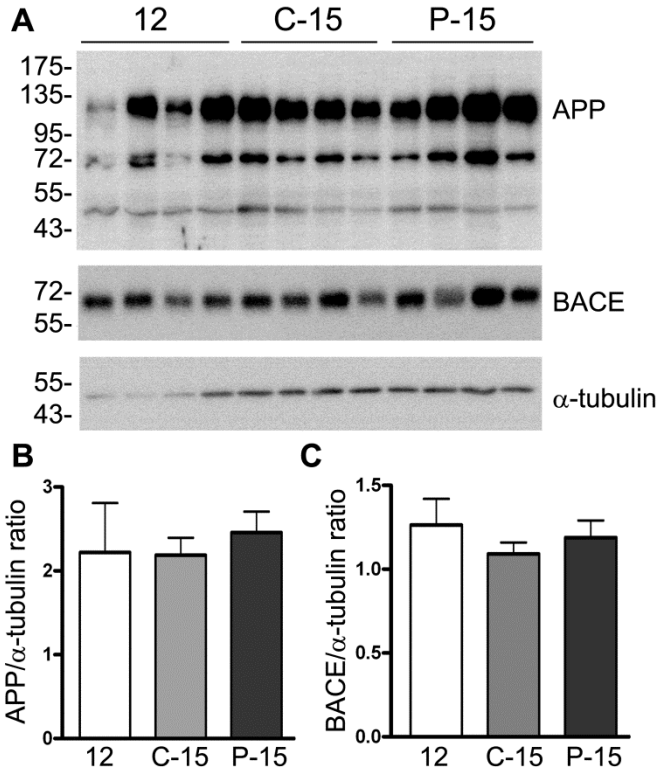
Supplemental Figure 4: Nitrotyrosine and HNE protein adduct levels did not change in brains of male APP/PS1 mice supplied with 0.625% pomegranate in their normal drinking water for 3 month treatment compared to 12 and 15 month male control APP/PS1 mice provided normal drinking water.



Optical density values were normalized to their respective loading control, averaged, and graphed ± SD, n=4.

Online Supporting Material

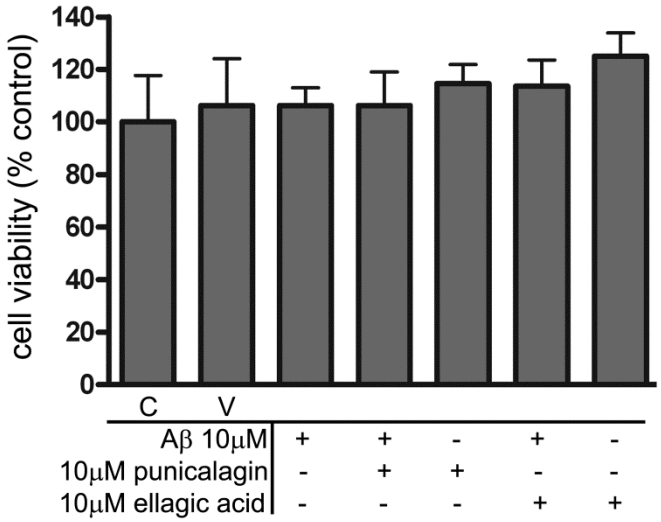
Supplemental Figure 5: Hippocampal protein levels of APP or BACE did not change in brains of male APP/PS1 mice supplied with 0.625% pomegranate in their normal drinking water for 3 month treatment compared to 12 and 15 month male control APP/PS1 mice provided normal drinking water.



Optical density values were normalized to their respective loading control, averaged, and graphed ± SD, n=4.

Online Supporting Material

Supplemental Figure 6: Pomegranate extract components, ellagic acid and punicalagin were not toxic to primary cortical microglia cell culture stimulated with or without Aβ.



Cell viability was measured using the MTT assay. Values shown are mean ± SD, n=3-8.