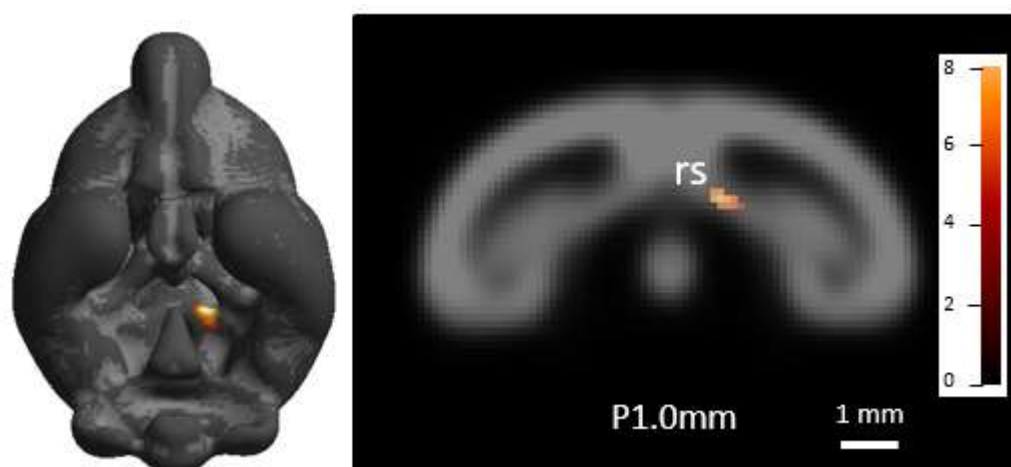


Supplementary

Supplementary data



Supplementary Fig. 1. Increased grey matter atrophy in resveratrol (RSV) animals compared to control (CTL) mouse lemurs during the longitudinal follow-up from 6.8 to 10 years of age. Surface rendering and coronal section highlighting regions that showed stronger age-related grey matter loss in RSV compared to CTL animals from 6.8 to 10 years of age, *i.e.*, between approximately 3.5 and 7 years after the initiation of the treatments (voxel-based morphometric analysis of time of treatment×diet group interaction, $p < 0.005$, $N = 7$ for CTL and $N = 11$ for RSV animals). The color bar represents the value of the t-statistic (no unit). rs: retrosplenial cortex.

Supplementary table 1. Clusters of brain regions showing stronger grey matter loss in control (CTL) as compared to resveratrol (RSV) mouse lemurs ($p < 0.005$).

Treatment	Clusters	T value at peak level	Cluster Size	Region
CTL<RSV	1	4.59	171	Primary motor cortex (Brodmann area 4)

Supplementary table 2. Clusters of brain regions showing age-associated grey matter loss in control (CTL) and resveratrol (RSV) mouse lemurs ($p < 0.005$).

Treatment	Clusters	T value at peak level	Cluster Size	Region
CTL	1	5.05	384	Septum
CTL	2	5.30	78	Amygdala (left)
RSV	1	7.71	824	Amygdala-to-13-16 (right)
RSV	2	7.41	345	Amygdala (left)
RSV	3	7.00	259	Hypothalamus
RSV	4	5.21	253	Area 24 (right)
RSV	5	5.77	182	13-16 (right)
RSV	6	6.41	128	Area 1-3 (right)
RSV	7	3.99	101	Clastrum (left)
RSV	8	5.07	99	Area 1-3 (left)

Supplementary table 3. Clusters of brain regions showing increased grey matter atrophy in resveratrol (RSV) animals compared to control (CTL) mouse lemurs during the longitudinal follow-up from 7 to 10 years of age. ($p < 0.005$).

Treatment	Clusters	T value at peak level	Cluster Size	Region
RSV<CTL	1	8.00	82	Retrosplenium (left)

Supplementary table 4. Clusters of brain regions showing stronger white matter loss in control (CTL) as compared to resveratrol (RSV) mouse lemurs ($p < 0.005$).

Treatment	Clusters	T value at peak level	Cluster Size	Region
CTL<RSV	1	5.14	168	Corpus callosum - Occipital (right)
CTL<RSV	2	5.11	92	Corpus callosum - Occipital (left)

Supplementary table 5. Clusters of brain regions showing age-associated white matter loss in control (CTL) and resveratrol (RSV) mouse lemurs ($p < 0.005$). Controls: 8376 pixels. RSV: 6405 pixels.

Treatment	Clusters	T value at peak level	Cluster Size	Region
CTL	1	8.97	7801	Large cluster including most white matter areas. - Corpus callosum, Perihippocampal (P0.5 mm) - Corpus callosum, Splenium (A0.0mm) - Internal capsule (A3.0mm) - External capsule (A3.0mm) - Corpus callosum, Body (A4.0mm) - Corpus callosum, Genu (A5.0mm)
CTL	2	5.09	484	Corpus callosum (A5.0mm)
CTL	3	5.15	91	Optic chiasma (A4.5 mm)
RSV	1	7.81	5352	Large cluster including most white matter areas. - Corpus callosum, Perihippocampal (P0.5 mm) - Corpus callosum, Splenium (A0.0mm) - Internal capsule (A3.0mm) - External capsule (A3.0mm) - Corpus callosum, Body (A4.0mm) - Corpus callosum, Genu (A5.0mm)
RSV	2	5.24	469	Corpus callosum, Occipital / Perihippocampal (A0.5 mm)
RSV	3	4.94	264	Corpus callosum, Internal capsule (A5.5 mm)
RSV	4	4.83	141	Nucleus interpeduncularis centralis
RSV	5	4.34	93	External capsule (A3.50mm)
RSV	6	4.11	86	Corpus callosum (A5.00mm)

