

Supplementary Table 4. Public datasets information.

Dataset	Condition	Organism	Compared samples	FDR threshold
GDS707	Aging	human	Old (12) VS Young (9)	0.5
GSE5078	Aging	mouse	Old (14) VS Young (9)	0.1
GSE45044	Aging	mouse	Old (4) VS Young (4)	0.1
GSE68169	Aging	mouse	Old (3) VS Young (3)	0.1
GSE11291	Aging	mouse	Old (5) VS Young (5)	0.1
GSE7621	PD	human	PD_patients (16) VS Control_patients (9)	0.5
GSE60413	PD	mouse	PD_model (3) VS WT_model (3)	0.1
GSE28146	AD	human	AD_patients (15) VS Control_patients (8)	0.5
GSE50521	AD	mouse	AD_model (3) VS WT_model (3)	0.5
GSE11291	Calorie Restriction	mouse	OldCR (5) VS Old (5)	0.1