

**Table S1. One way ANOVA comparison of the viability of UV irradiated C6 cells in the presence or absence of resveratrol**

Comparison	Significant? P < 0.05?
Untreated vs Mock	No
Untreated vs UV	Yes
Untreated vs UV + Resveratrol	No
Untreated vs Resveratrol	No
Mock vs UV	Yes
Mock vs UV + Resveratrol	No
Mock vs Resveratrol	No
UV vs UV + Resveratrol	Yes
UV vs Resveratrol	Yes
UV + Resveratrol vs Resveratrol	No

  

R <sup>2</sup> 0.9335, F 28.06	
	<b><u>df</u></b>
Treatment	4
Individual	2
Residual	8
Total	14

**Table S2. One way ANOVA comparison of the viability of tBHP treated C6 cells in the presence or absence of resveratrol**

Comparison	Significant? P < 0.05?
Untreated vs Mock	No
Untreated vs tBHP	Yes
Untreated vs tBHP + Resveratrol	No
Untreated vs Resveratrol	No
Mock vs tBHP	Yes
Mock vs tBHP + Resveratrol	No
Mock vs Resveratrol	No
tBHP vs tBHP + Resveratrol	Yes
tBHP vs Resveratrol	Yes
tBHP + Resveratrol vs Resveratrol	No

  

R <sup>2</sup> 0.9810, F 103.4	
	<b><u>df</u></b>
Treatment	4
Individual	2
Residual	8
Total	14

**Table S3. One way ANOVA comparison of caspase activation induced by UV irradiation in the presence or absence of resveratrol**

Comparison	Significant? P < 0.05?
Mock vs UV	Yes
Mock vs UV + zVAD-fmk	No
Mock vs zVAD-fmk	No
Mock vs UV + Resveratrol	Yes
Mock vs Resveratrol	No
Mock vs Untreated	No
UV vs UV + zVAD-fmk	Yes
UV vs zVAD-fmk	Yes
UV vs UV + Resveratrol	Yes
UV vs Resveratrol	Yes
UV vs Untreated	Yes
UV + zVAD-fmk vs zVAD-fmk	No
UV + zVAD-fmk vs UV + Resveratrol	Yes
UV + zVAD-fmk vs Resveratrol	No
UV + zVAD-fmk vs Untreated	No
zVAD-fmk vs UV + Resveratrol	Yes
zVAD-fmk vs Resveratrol	No
zVAD-fmk vs Untreated	No
UV + Resveratrol vs Resveratrol	Yes
UV + Resveratrol vs Untreated	Yes
Resveratrol vs Untreated	No

R<sup>2</sup> 0.9935, F 303.9

	<u>df</u>
Treatment	6
Individual	2
Residual	12
Total	20

**Table S4. One way ANOVA comparison of caspase activation induced by tBHP in the presence or absence of resveratrol**

<b>Comparison</b>	<b>Significant? P &lt; 0.05?</b>
Untreated vs tBHP	Yes
Untreated vs Mock	No
Untreated vs Vehicle + tBHP	Yes
Untreated vs Resveratrol	No
Untreated vs tBHP + Resveratrol	No
tBHP vs Mock	Yes
tBHP vs Vehicle + tBHP	No
tBHP vs Resveratrol	Yes
tBHP vs tBHP + Resveratrol	Yes
Mock vs Vehicle + tBHP	Yes
Mock vs Resveratrol	No
Mock vs tBHP + Resveratrol	No
Vehicle + tBHP vs Resveratrol	Yes
Vehicle + tBHP vs tBHP + Resveratrol	Yes
Resveratrol vs tBHP + Resveratrol	No

R<sup>2</sup> 0.9992, F 2432

	<b>df</b>
Treatment	5
Individual	2
Residual	10
Total	17

**Table S5. One way ANOVA comparison of phosphorylated Tau in C6 cells UV irradiated or treated with tBHP in the presence or absence of resveratrol**

Comparison	Significant? P < 0.05?
Mock vs UV	Yes
Mock vs Resveratrol	Yes
Mock vs Resveratrol + UV	Yes
Mock vs tBHP	Yes
Mock vs Resveratrol + tBHP	Yes
UV vs Resveratrol	Yes
UV vs Resveratrol + UV	Yes
UV vs tBHP	No
UV vs Resveratrol + tBHP	Yes
Resveratrol vs Resveratrol + UV	Yes
Resveratrol vs tBHP	Yes
Resveratrol vs Resveratrol + tBHP	Yes
Resveratrol + UV vs tBHP	Yes
Resveratrol + UV vs Resveratrol + tBHP	Yes
tBHP vs Resveratrol + tBHP	Yes

R<sup>2</sup> 0.9949, F 391.3

	<b>df</b>
Treatment	5
Individual	2
Residual	10
Total	17