

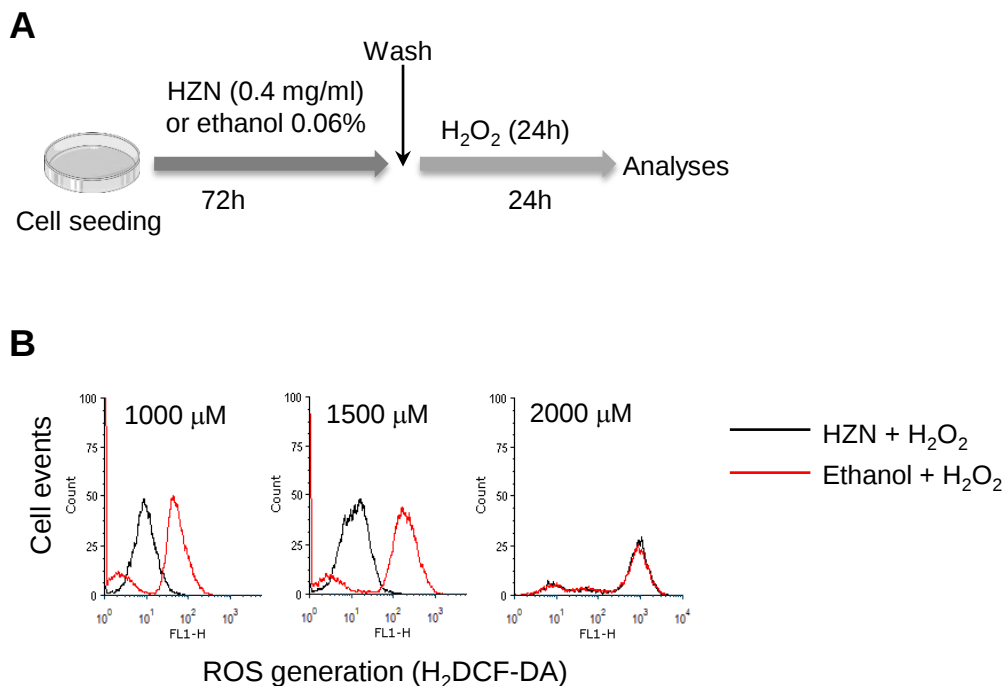
MicroRNA-34b/c is involved in the response of human liver cells to the *Corylus avellana* L. hazelnut extract

Barbara Benassi^{1*}, Loretta Bacchetta², and Francesca Pacchierotti¹

¹Division of Health Protection Technologies, ENEA-Italian National Agency for New Technologies, Energy and Sustainable Economic Development, 00123 Rome, Italy.

²Division of Biotechnologies and Agroindustry, ENEA-Italian National Agency for New Technologies, Energy and Sustainable Economic Development, 00123 Rome, Italy.

*Corresponding author: Benassi Barbara, Division of Health Protection Technologies, ENEA-Casaccia, Via Anguillarese 301, 00123 Rome, Italy. Tel: +39-06-30483921; Fax: +39-06-30486559. email: barbara.benassi@enea.it



Supplementary Fig. 3 *Corylus Avellana* L. protects THLE-2 human primary hepatocytes from H₂O₂-induced oxidative stress. **(A)** Schedule of the combination treatment applied to THLE-2 cells: 72h pre-treatment with either HZN (0.4 mg/ml) or control ethanol (0.06%), followed by PBS wash and 24h of H₂O₂ administration (1000-1500-2000 μ M). **(B)** Evaluation ROS generation: representative FACS histogram (H₂DCF-DA fluorescence) carried out in THLE-2 cells undergoing HZN+H₂O₂ combination treatment.