**(-)-Epigallocatechin-3-gallate and hydroxytyrosol improved antioxidative and anti-inflammatory responses in bovine mammary epithelial cells**

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***animal* journal**



**Figure S1**. Chemical structure of (-)-epigallocatechin-3-gallate (EGCG) and hydroxytyrosol (HTyr).



**Figure S2**. Synthetic procedure of hydroxytyrosol (HTyr).

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**Figure S3.** 1H-NMR spectra of (-)-epigallocatechin-3-gallate (EGCG) found in Teavigo® (Imperatori e*t al*., 2018) and synthetic hydroxytyrosol (HTyr) (Bernini *et al*., 2008).



**Figure S4.** Cell viability of bovine mammary epithelial cells (BME-UV1) evaluated after 48 h exposure to 50 µM (-)-epigallocatechin-3-gallate (EGCG) or hydroxytyrosol (HTyr). Absorbance was measured at 450 nm, and data are reported as least squares means ± SEM.