Supplementary Materials

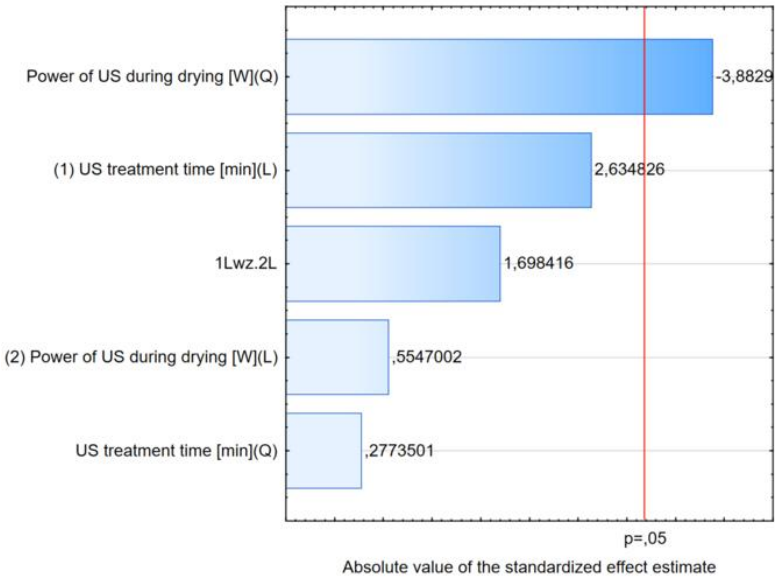


Figure S1. The Pareto chart effects on US treatment time and the US power applied during drying for apple drying time to obtain MR = 0.01.

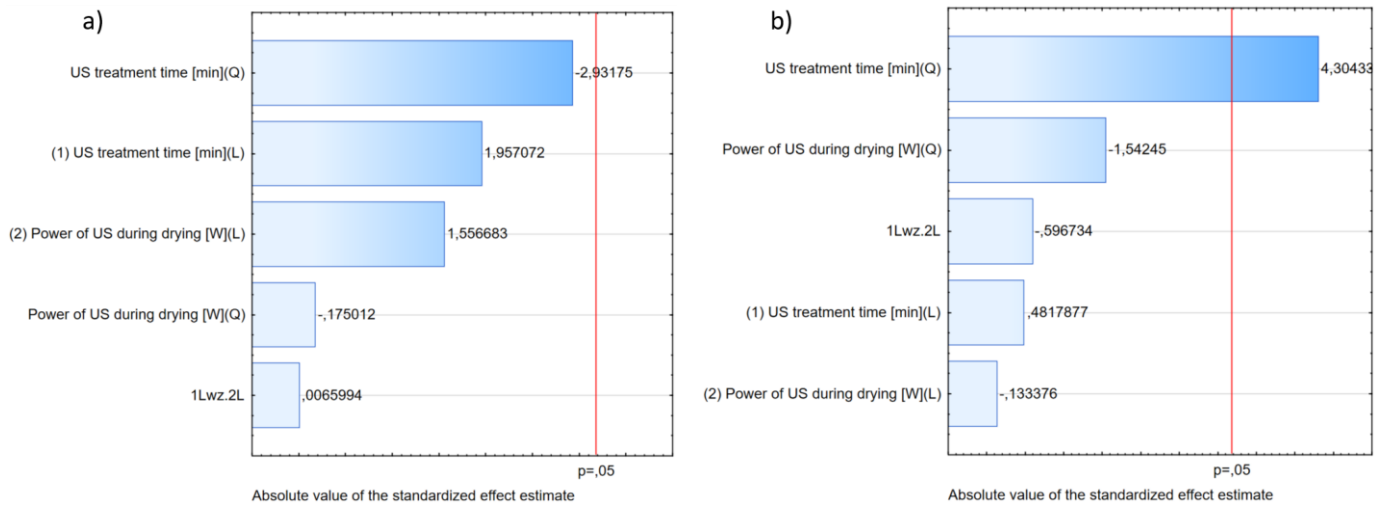


Figure S2. The Pareto chart effects on US treatment time and the US power applied during drying for (a) dry matter content (d.m.) of hybrid dried apples; (b) water activity (a_w) of hybrid dried apples.

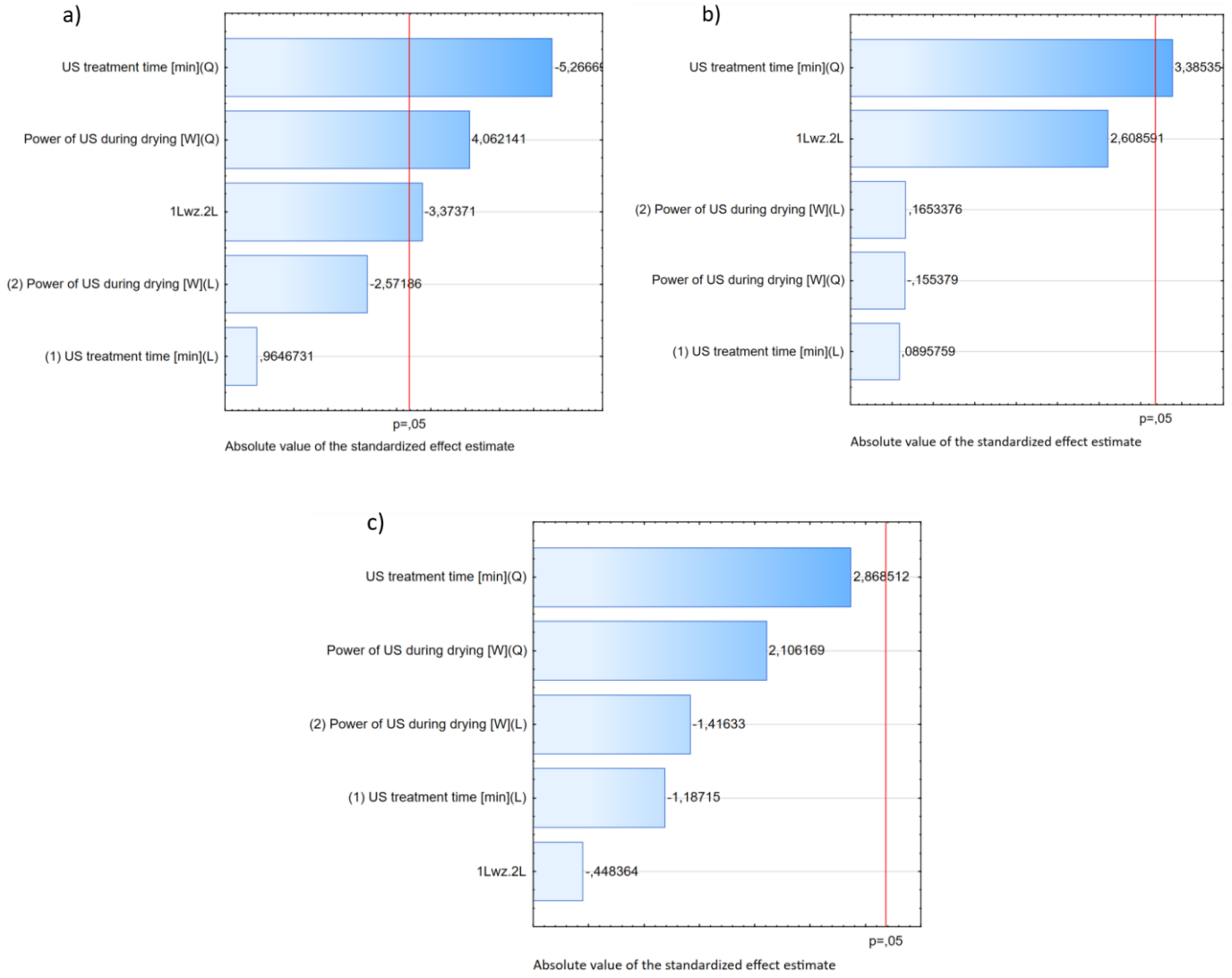


Figure S3. The Pareto chart effects on US treatment time and the US power applied during drying for (a) rehydration rate (RR) of hybrid dried apples; (b) soluble solid loss (SSL) of hybrid dried apples, and (c) hygroscopic properties of hybrid dried apples.

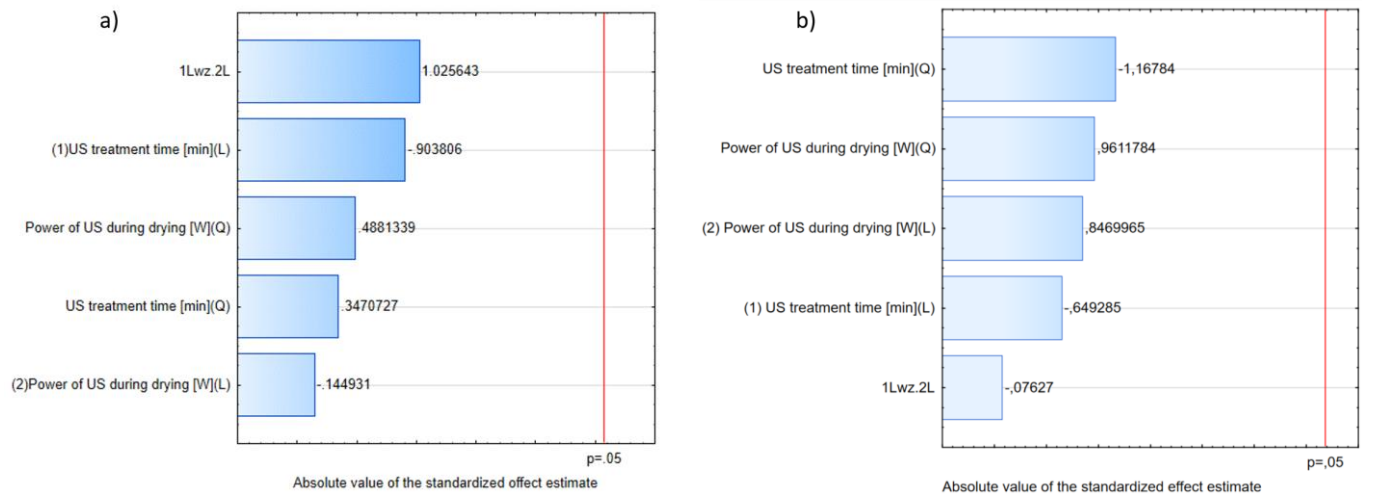


Figure S4. The Pareto chart effects on US treatment time and the US power applied during drying for (a) total color change (ΔE) of hybrid dried apples; (b) texture properties (F_{max} recorded during a 50% deformation test) of hybrid dried apples.

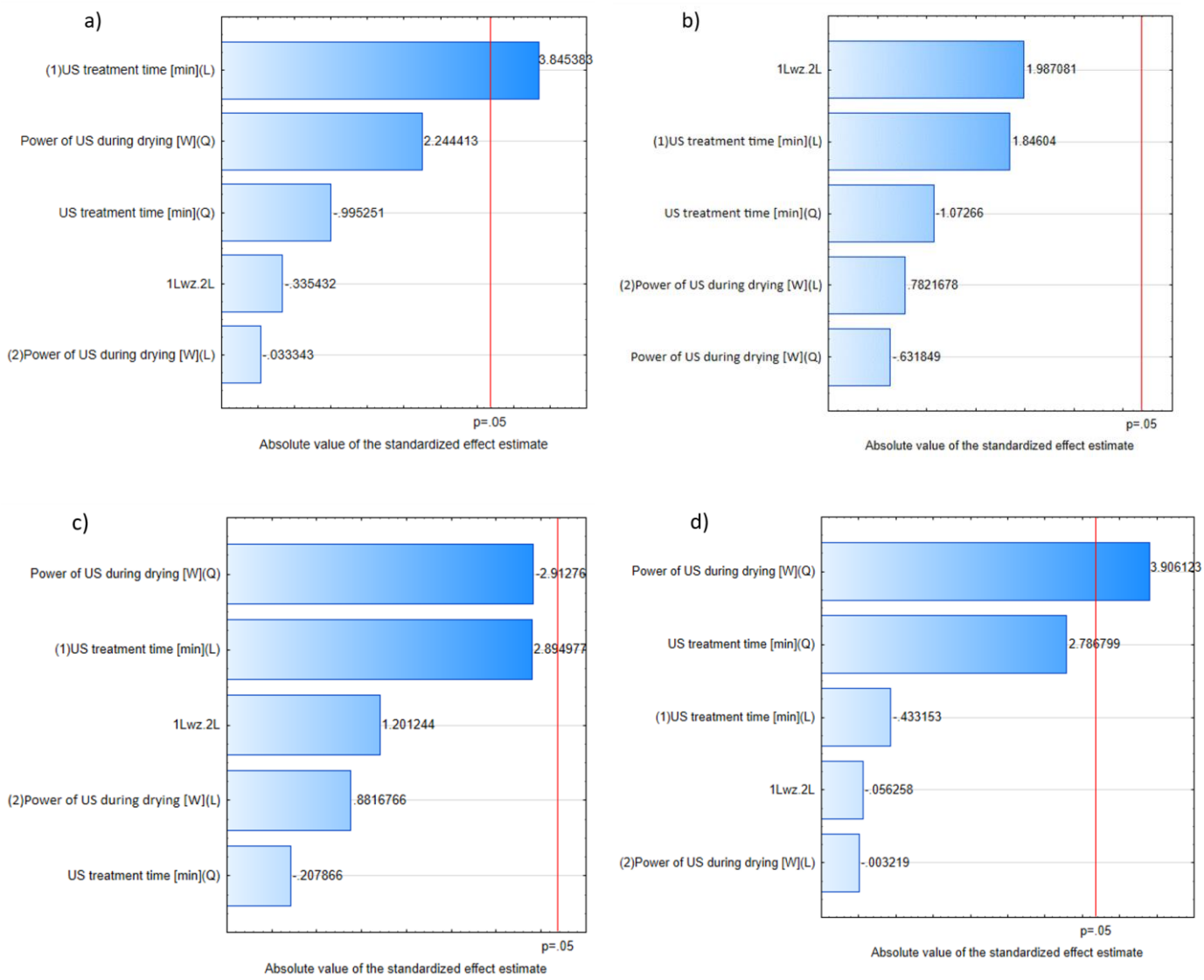


Figure S5. The Pareto chart effects on US treatment time and the US power applied during drying for (a) vitamin C content of hybrid dried apples; (b) total polyphenols content (TPC) of hybrid dried apples; (c) total flavonoid content (TFC) of hybrid dried apples; (d) antioxidant capacity with DPPH radical of hybrid dried apples.