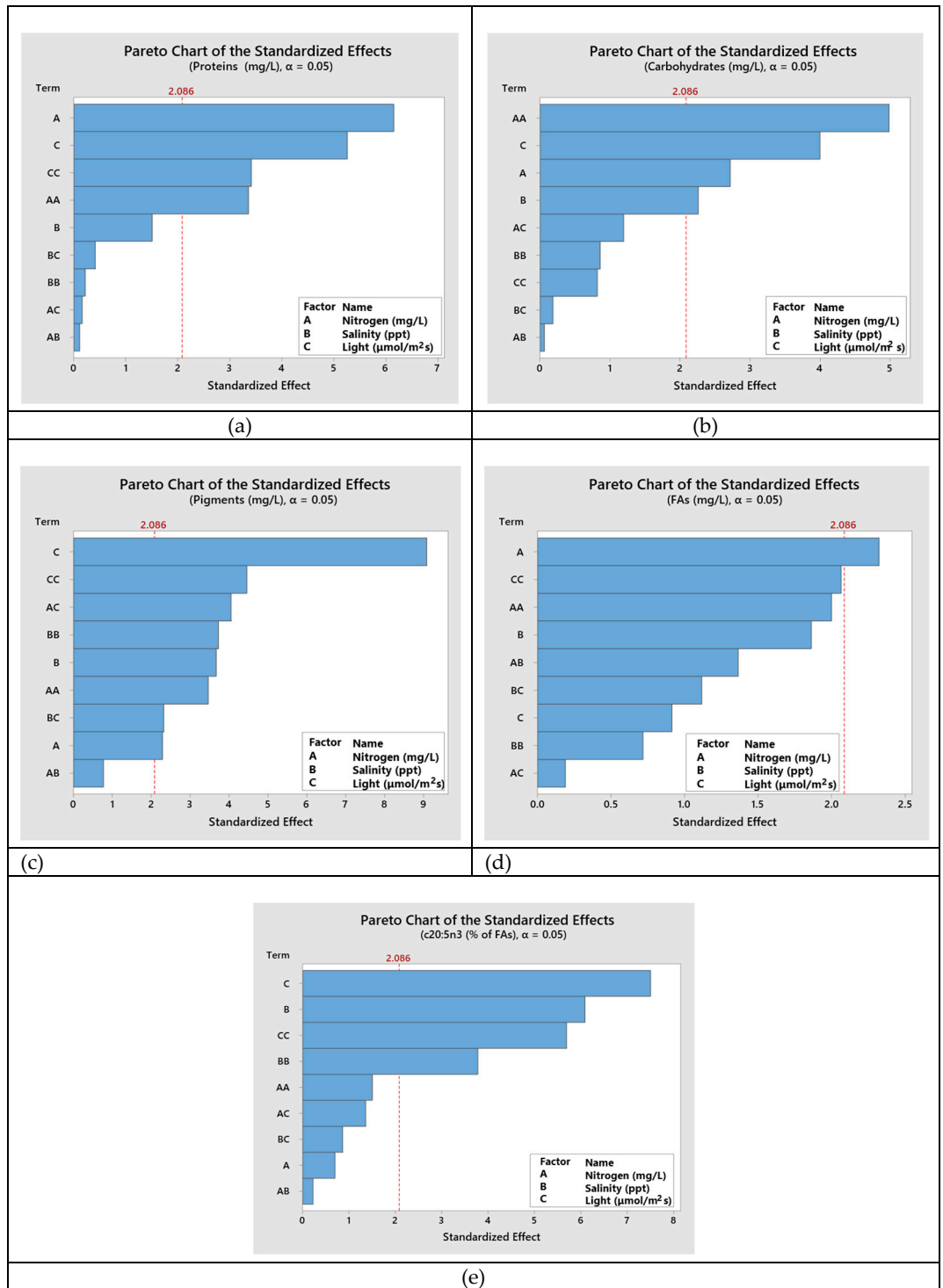


## Supplementary materials



**Figure S1.** Pareto charts for the statistical significance of the nitrogen concentration, salinity level and illuminance, regarding the derived equations for (a) proteins, (b) carbohydrates, (c) pigments, (d) fatty acids and (e) EPA production.