

**Table S1:** Descriptive statistics of the Box-Behnken test design (batch code DOE10-DOE24)

Source	<i>p</i> -value
[Lipids]	0.25
TFR	0.15
FFR	< <b>0.01</b>
[Lipids]xTFR	0.09
TFRxTFR	< <b>0.05</b>
FFRxFFR	< <b>0.05</b>