

Table S1. The plan for arranging GSBF cakes for Ranking Test generated by Balanced Incomplete Block (BIB) Design.

Block	Formulation*			
1	F1	F2	F3	F4
2	F5	F6	F7	F8
3	F1	F2	F7	F8
4	F3	F4	F5	F6
5	F1	F3	F6	F8
6	F2	F4	F5	F7
7	F1	F4	F6	F7
8	F2	F3	F5	F8
9	F1	F2	F5	F6
10	F3	F4	F7	F8
11	F1	F3	F5	F7
12	F2	F4	F6	F8
13	F1	F4	F5	F8
14	F2	F3	F6	F7

Adopted from Cochran & Cox [7], whereby $t = 8$;

$k = 4$; $r = 7$; $b = 14$; $\lambda = 3$

*F1 = O0P10; F2 = O0P15; F3 = O35P0; F4 = O35P10;

F5 = O35P15; F6 = O7P0; F7 = O7P10; F8 = O7P15

where:

t = number of formulation

k = number of formulation in a block

r = number of replicates for each formulation

b = number of block

λ = number of pair treatments occur in a block

A Balanced Incomplete Block (BIB) Design is a plan where all pairs of treatments occur together within a block an equal number of times (λ). In Ranking Test, the blocks were triplicated to produce a total of 42 experimental runs (sensory panelists).

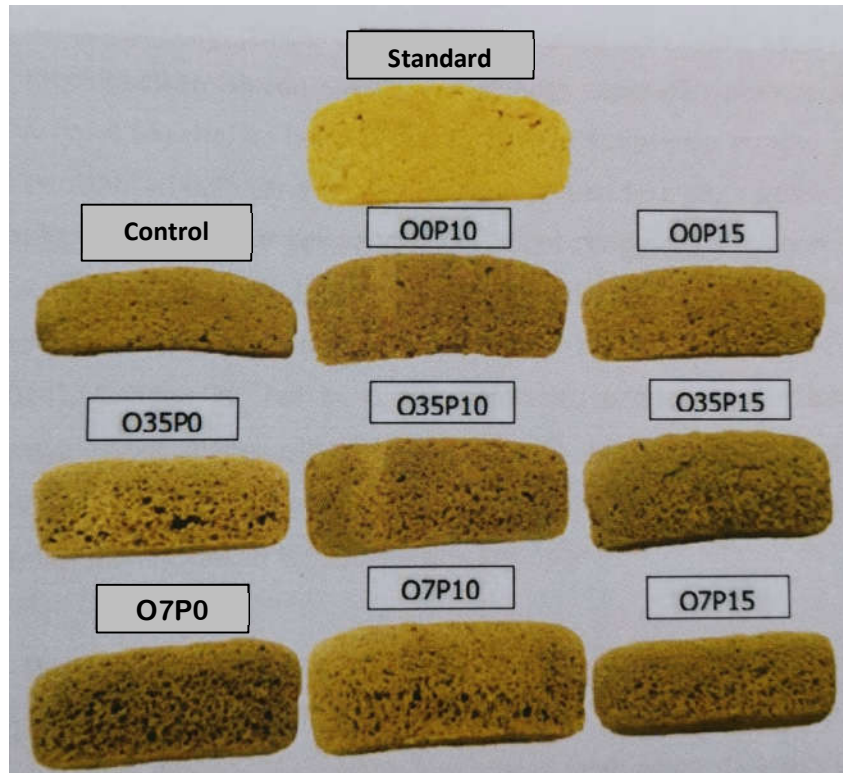


Figure S1. Cross sectional view of standard (100% wheat flour), control (100% GSBF) and other GSBF cakes supplemented with different levels of soy protein isolate (SPI) and Ovalette.