

Supplementary Material (S1)

Table S1. Raw data used to fit the response surface design model according to Table 1, RSD (%), and Grubbs distance for the three repetitions. Numbers in bold represent the excluded outliers and criteria of exclusion. When the RSD criteria (>20%) was used, the selected outlier was identified through the highest Grubbs' distance (underlined values)

α-amylase activity (CU/g)																			
Brown rice								Milled rice								Germinated rice			
Raw data				Grubbs' distance				Raw data				Grubbs' distance				Raw data			
R1	R2	R3	RSD (%)	R1	R2	R3		R1	R2	R3	RSD (%)	R1	R2	R3		R1	R2	R3	RSD (%)
P1	3.31	2.81	3.73	14%	0.053	1.026	0.972	4.04	3.05	2.39	26%	<u>1.058</u>	0.130	0.929		1.19	1.37	1.22	8%
P2	1.36	1.73	2.14	23%	0.983	0.033	<u>1.016</u>	1.42	1.85	1.99	17%	1.121	0.321	0.800		1.52	1.30	1.46	8%
P3	3.15	2.70	2.72	9%	1.153	0.633	<u>0.520</u>	2.42	2.90	2.59	9%	0.891	1.082	0.191		1.04	1.49	1.77	26%
P4	18.4	23.5	21.3	12%	1.040	0.955	0.085	18.0	19.6	23.3	13%	0.842	0.263	1.105		2.34	3.27	3.09	17%
P5	73.2	65.0	69.7	6%	0.951	1.043	0.092	72.1	71.2	94.7	17%	0.542	0.612	1.154		1.87	2.03	1.73	8%
P6	87.6	65.1	68.8	16%	1.141	0.726	0.415	88.5	74.8	79.9	9%	1.076	0.901	0.175		1.90	1.87	1.89	1%
P7	17.5	21.5	16.1	15%	0.305	1.117	0.812	18.8	29.0	23.0	22%	0.932	<u>1.057</u>	0.125		1.52	1.69	0.98	26%
P8	17.0	13.2	16.7	13%	0.653	1.151	0.498	17.1	13.2	19.6	19%	0.149	<u>1.066</u>	0.917		3.84	3.93	3.83	1%
P9	19.3	22.8	22.0	8%	1.127	0.781	0.346	18.8	20.6	13.3	22%	0.319	0.802	<u>1.121</u>		3.72	3.39	3.21	8%
P10	14.4	14.4	13.6	3%	0.591	0.563	1.155	3.12	3.13	3.08	1%	0.377	0.757	1.134		1.80	2.42	2.25	15%

GABA (mg/100g)																			
Brown rice								Milled rice								Germinated rice			
Raw data				Grubbs' distance				Raw data				Grubbs' distance				Raw data			
R1	R2	R3	RSD (%)	R1	R2	R3		R1	R2	R3	RSD (%)	R1	R2	R3		R1	R2	R3	RSD (%)
P1	141	143	131	4%	0.394	0.743	1.137	146	175	169	9%	1.132	0.762	0.370		51	48	53	5%
P2	181	205	191	6%	0.939	1.052	0.113	185	181	178	2%	1.052	0.113	0.938		212	212	214	1%
P3	188	206	147	17%	0.256	0.847	1.103	186	155	162	10%	1.123	0.793	0.331		125	106	117	8%
P4	183	189	195	3%	0.959	0.077	1.036	169	166	163	2%	0.963	0.070	1.033		239	211	228	6%
P5	251	253	264	3%	0.725	0.416	1.141	244	205	206	10%	1.154	0.613	0.541		181	178	177	1%
P6	233	267	263	7%	1.148	0.684	0.463	224	211	215	3%	1.100	0.855	0.245		171	188	172	5%
P7	155	153	158	2%	0.020	1.010	0.990	221	206	210	4%	1.122	0.797	0.325		207	202	198	2%
P8	142	173	161	10%	1.066	0.918	0.148	230	198	198	9%	1.155	0.560	0.594		254	247	252	2%
P9	213	207	203	2%	1.055	0.122	0.934	196	199	197	1%	0.883	1.086	0.203		167	166	167	1%
P10	132	130	139	4%	0.359	0.771	1.130	195	187	196	3%	0.422	1.142	0.720		247	256	237	4%

Starch (g/100g)																			
Brown rice								Milled rice								Germinated rice			
Raw data				Grubbs' distance				Raw data				Grubbs' distance				Raw data			
R1	R2	R3	RSD (%)	R1	R2	R3		R1	R2	R3	RSD (%)	R1	R2	R3		R1	R2	R3	RSD (%)
P1	65.9	66.0	66.8	1%	0.718	0.425	1.142	65.3	64.5	66.5	2%	0.130	0.929	1.059		73.8	70.3	71.6	2%
P2	67.5	67.3	67.5	0%	0.327	1.123	0.795	61.8	62.2	62.2	0%	1.155	0.582	0.573		71.4	72.3	72.5	1%
P3	62.0	63.6	62.7	1%	0.988	1.011	0.023	65.8	65.5	65.0	1%	0.963	0.071	1.033		72.8	64.7	65.2	7%
P4	59.0	58.8	59.0	0%	0.639	1.152	0.514	58.4	58.9	58.2	1%	0.349	1.128	0.779		64.8	63.2	63.4	1%
P5	56.0	55.9	56.0	0%	0.456	1.147	0.691	55.9	55.4	56.0	1%	0.377	1.134	0.757		63.5	62.9	61.7	2%
P6	56.0	55.8	56.0	0%	0.670	1.149	0.480	56.1	55.5	55.5	1%	1.146	0.452	0.694		61.6	63.5	62.9	2%
P7	65.5	65.0	65.5	0%	0.581	1.155	0.574	58.6	59.2	58.9	1%	0.925	1.061	0.136		61.0	61.6	58.9	2%
P8	52.5	52.6	53.0	0%	0.622	0.531	1.154	63.4	61.9	63.4	1%	0.526	1.153	0.627		58.7	58.7	61.2	2%
P9	59.3	59.0	58.7	0%	0.980	0.038	1.019	67.3	66.7	67.5	1%	0.386	1.135	0.750		61.6	61.6	62.0	0%
P10	65.8	66.0	66.2	0%	1.067	0.152	0.915	59.6	59.5	58.8	1%	0.660	0.491	1.151		58.0	58.1	58.3	%