

Table S1. Pearson correlation coefficients among intermediate wheatgrass flour parameters. Values in bold followed by one or two asterisks reflect significant correlations at $p < 0.05$ and $p < 0.01$, respectively.

| | LaSRC | SCSRC | SuSRC | WSRC | <i>L</i> | <i>a</i> | <i>b</i> | SD | PPO | Starch | Protein | Ash | ISF |
|----------|-------|--------|---------------|---------------|----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| LaSRC | | -0.456 | 0.580* | 0.320 | 0.805** | -0.837** | 0.831** | 0.842** | -0.710** | 0.841** | -0.357 | -0.739** | -0.746** |
| SCSRC | | | 0.005 | 0.005 | 0.527* | 0.566* | -0.458 | -0.315 | 0.564* | -0.557* | -0.330 | -0.327 | 0.605** |
| SuSRC | | | | 0.477* | 0.446 | -0.487* | 0.485* | 0.614** | -0.367 | 0.466 | -0.598** | 0.358 | -0.395 |
| WSRC | | | | | 0.021 | -0.061 | 0.183 | 0.500* | -0.627 | 0.301 | -0.627** | 0.219 | 0.023 |
| <i>L</i> | | | | | | -0.972 | 0.953 | 0.692** | -0.890** | 0.7604** | 0.194 | -0.849** | -0.909** |
| <i>a</i> | | | | | | | | -0.767** | 0.895** | -0.817** | 0.260 | 0.898** | 0.934** |
| <i>b</i> | | | | | | | | 0.809** | -0.808** | 0.807** | -0.312 | -0.824** | -0.887** |
| SD | | | | | | | | | -0.584* | 0.872** | -0.564* | -0.664* | -0.665* |
| PPO | | | | | | | | | | -0.727** | 0.123 | 0.843** | 0.921** |
| Starch | | | | | | | | | | | -0.412 | -0.733** | -0.837** |
| Protein | | | | | | | | | | | | 0.843** | 0.165 |
| Ash | | | | | | | | | | | | | 0.853** |

LaSRC: lactic acid solvent retention capacity; SCSRC: sodium carbonate solvent retention capacity; SuSRC: sucrose solvent retention capacity; WSRC: water solvent retention capacity; *L*: CIE *L* value; *a*: CIE *a* value; *b*: CIE *b* value; SD: Starch Damage; PPO: Polyphenoxidase activity; TS: Total Starch; ISF: Insoluble Fiber.

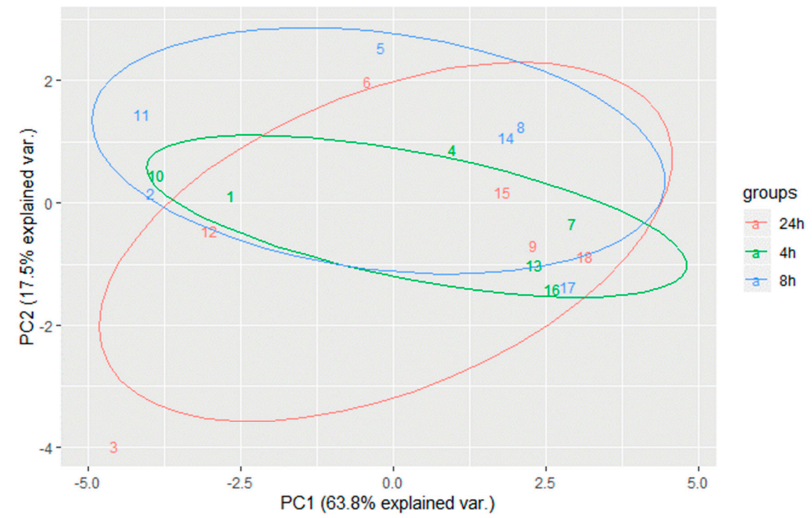
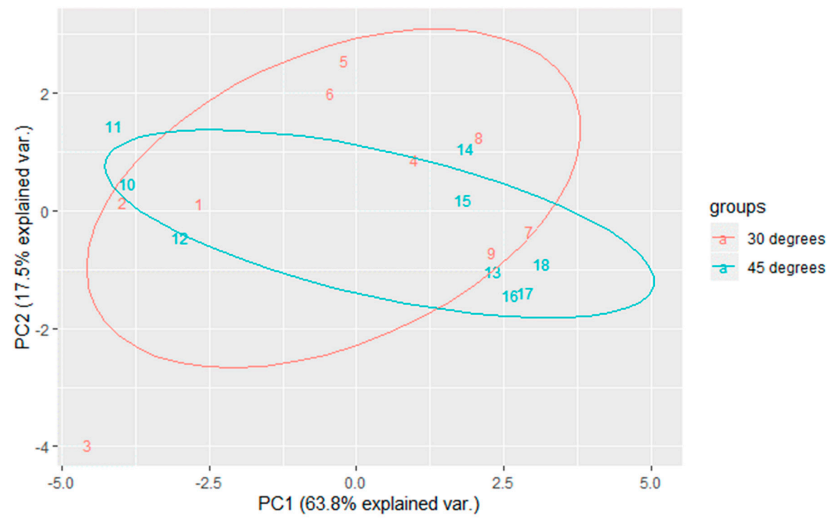


Figure S1. Principal component (PC) analysis of intermediate wheatgrass flour obtained after different tempering treatments. Ellipses represent sample categorization via (a) temperature; (b) incubation time.