|  |  |
| --- | --- |
|  |  |
| Pasta a\* | Pasta b\* |
|  |  |
| Semolina pigment | Pigment loss |
|  |  |
| Semolina b\* |  |

**S2 Fig.** Quantile-quantile (Q-Q) plots comparing the distribution of observed versus expected *P*-values for association analyses of colour traits under different statistical models: GLM naïve (blue diamond), GLM\_Q (red square), MLM\_K (green triangle) and MLM\_QK (purple cross). The black dash line represents the null hypothesis of no true association.