Supplementary Material

Effect of *Ppd-A1* and *Ppd-B1* Allelic Variants on Grain Number and Weight of Durum Wheat and their Impact on Final Grain Yield

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| **Supplementary Table 3.** Percentage of the total sum of squares for pre-flowering phases, corresponding to the different sources of variation in the ANOVA model obtained from the evaluation of 23 durum wheat genotypes grown in three sites of contrasting latitude during three years (2010, 2011 and 2012).  |
| **Source** | **d.f.** | **GDD emergence-double ridge (ºC)** | **GDD double ridge - terminal spikelet (ºC)** | **GDD terminal spikelet - booting (ºC)** | **GDD booting - heading (ºC)** | **GDD heading - flowering (ºC)** |
| Genotype | 22 | 17.9 | \*\*\* | 9.6 | ns | 8.9 | \* | 19.7 | \*\*\* | 11.1 | ns |
| Site | 2 | 27.5 | ns | 4.2 | ns | 26.3 | ns | 42.0 | \* | 13.1 | \* |
| Site x Genotype | 44 | 9.2 | \*\*\* | 12.6 | ns | 6.9 | \* | 11.1 | \*\*\* | 12.1 | ns |
| Year | 2 | 3.7 | ns | 10.3 | ns | 8.3 | ns | 5.9 | ns | 10.2 | \* |
| Year x Genotype | 44 | 3.6 | ns | 8.5 | ns | 5.8 | ns | 3.7 | ns | 8.3 | ns |
| Site x Year | 4 | 24.4 | \*\*\* | 16.8 | \*\*\* | 24.0 | \*\*\* | 9.1 | \*\*\* | 2.2 | \* |
| Site x Year x Genotype | 88 | 7.1 | \*\*\* | 18.8 | \*\*\* | 9.2 | \*\*\* | 4.8 | \*\*\* | 18.8 | \*\*\* |

GDD: growing degree-days. ns: non-significant; \**P*<0.05; \*\**P*<0.01;\*\*\**P*<0.001.