**Table S1.** Primer pairs specific for the AO genes of wheat

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene name**  | **Primer orientation**  | **Primer 5'-3' sequence**  | **Product length (pb)**  | **Melt peak (°C)** |
| *AO-A3* | Fw | TGGAAGGAACATCACATGCTG | 196 | 81 |
|  | Rv | TGATCACCACTGGAAACTGTG  |  |  |
| *AO-B3* | Fw | ATACAGAGTCAGTGTGGCCG | 174 | 80.5 |
|   | Rv | TGATCATCGCTGGAAATTGTT |   |   |