

**Table S1.** Sequence homology between wheat (NCBI GeneBank) and the corresponding oat (*Avena sativa* L.) sequences (Bioproject 541449)

Gene Abbreviation	Accession No. (NCBI)	Percentage of Identity	E value	Contig number (BioProject 541449)
ACT	MF405765.1	95%	0.00	CTG107765
TUB	U76558.1	93%	0.00	CTG25086
CYP	EU035525.1	92%	0.00	CTG81232
GAPDH	KR029492.1	≥87%	≤6.38*10 <sup>-18</sup>	CTG108160
UBC	M62720.1	≥93%	≤1.74 x 10 <sup>-30</sup>	CTG29477
EF1	M90077.2	92%	0.00	CTG31755
TBP	L07604.1	≥90%	≤5.56*10 <sup>-07</sup>	CTG9379
ADPR	Ta2291 (Unigene cluster)	≥92%	1.03 x 10 <sup>-22</sup>	CTG25287
PGD	Ta30797 (Unigene cluster)	≥90%	≤1.58 × 10 <sup>-28</sup>	CTG22048
PAL	MT150275.1	91%	0.00	CTG14153