**Table S3** Prediction of *TaPP2Ac* off-target transcripts in wheata

|  |  |  |
| --- | --- | --- |
| **Targets** | **Total siRNA hitsb** | **Efficient siRNA hitsc** |
| TRIAE\_CS42\_4BL\_TGACv1\_320988\_AA1053050.1 (*TaPP2Ac-4B1*) | 236 | 124 |
| TRIAE\_CS42\_4BL\_TGACv1\_320988\_AA1053050.2 (*TaPP2Ac-4B2*) | 236 | 124 |
| TRIAE\_CS42\_4BL\_TGACv1\_320988\_AA1053050.3 (*TaPP2Ac-4B3*) | 217 | 112 |
| TRIAE\_CS42\_4DL\_TGACv1\_342818\_AA1122930.1 (*TaPP2Ac-4D1*) | 145 | 75 |
| TRIAE\_CS42\_4DL\_TGACv1\_342818\_AA1122930.2 (*TaPP2Ac-4D2*) | 145 | 75 |
| TRIAE\_CS42\_4AS\_TGACv1\_307022\_AA1016250.1 (*TaPP2Ac-4A1*) | 93 | 46 |
| TRIAE\_CS42\_4AS\_TGACv1\_307022\_AA1016250.2 (*TaPP2Ac-4A2*) | 74 | 34 |
| TRIAE\_CS42\_4AS\_TGACv1\_307022\_AA1016250.3 (*TaPP2Ac-4A3*) | 127 | 62 |
| TRIAE\_CS42\_5AL\_TGACv1\_375154\_AA1217070.1 | 3 | 0 |
| TRIAE\_CS42\_5BL\_TGACv1\_407550\_AA1357850.1 | 3 | 0 |
| TRIAE\_CS42\_5DL\_TGACv1\_434113\_AA1429600.1 | 3 | 0 |

a The off-target prediction was performed by using the Si-Fi software.

b Number of 21-mer siRNA sequences with perfect match to the query sequence.

c Number of 21-mer siRNA sequences with perfect match to the query sequence that fulfil additional criteria for efficient RNAi (see Si-Fi software, http://www.snowformatics.com/si-fi.html).