**Supplementary file S2: Table S2 Plant tissues for RNA-seq**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Plant organization | Tissues (abbreviation) | | | Details |  |
| Vegetative tissues | | LEA | Leaf tissue (10 cm shoot stage) | |  |
| ROO | Root tissue (10 cm shoot stage) | |  |
| ROO2 | Root tissue | |  |
| NOD | Third stem internode (developing tillers at six-leaf stage) | |  |
| SEN | Senescing leaf | |  |
| ETI | Isolate etiolated leaf (grown to 10 dap in the dark) | |  |
| EPI | Epidermal strips | |  |
| Inflorescence tissues | | INF1 | Whole developing inflorescence tissue (5mm) | |  |
| INF2 | Whole developing inflorescence tissue (1-1.5cm) | |  |
| LOD | Isolate lodicule dissected from inflorescences | |  |
| LEM | Lemma dissected from inflorescences | |  |
| PAL | Palea dissected from inflorescences | |  |
| RAC | Rachis | |  |
| Developing grain tissues | | CAR5 | Whole developing grain (5 DPA, days post-anthesis) | |  |
| CAR15 | Whole developing grain (15 DPA) | |  |
| Germinating grain tissues | | EMB | 4-day embryos tissue from geminating grains | |  |