



**Fig. S9.** Phenotypic analysis of the spikelet in the *Osmads2-1 Osmads3-4* and *Osmads4-1 Osmads3-4* double mutants.

(a) to (c) Spikelet morphology of *Osmads3-4*.

(d) to (f) Spikelet morphology of *Osmads2-1 Osmads3-4*.

(g) to (i) Spikelet morphology of *Osmads4-1 Osmads3-4*.

Orange arrowheads indicate lodicule-stamen mosaic organ; Yellow arrowheads indicate abnormal pistil; Rose arrowheads indicate lodicule-stigma mosaic organ. le, lemma; lo, lodicule; l-p, lodicule-pistil mosaic organ; l-s, lodicule-stamen mosaic organ; pa, palea; pi, pistil; st, stamen. Scale bars, 2 mm.