



Supplemental Fig. S1. Morphology changes of different cultivars of brown rice before and after germination

After germination, all 9 types of brown rice swelled water and became larger. Cultivar I was glutinous rice, with opaque white grains before germination and slightly increased transparency after germination. Cultivar II and III were japonica rice, with slender grains. Cultivar IV-IX were indica rice, with oval-shaped grains and shorter and thicker in size. Before germination, japonica and indica rice were yellowish in color due to the presence of bran. After germination, the grains became white in color and decreased in transparency (Supplemental Fig. S1).