

Table 3 Evolution of stress resistance gene families in wild rice and cultivated rice

| Growth and development gene family | Wild rice gene family                      | Cultivated rice gene family |
|------------------------------------|--|-----------------------------|
| Panicle type related genes         | Diversity maintained                       | May be changes              |
| Flowering time control genes       | Different subgroups are widely distributed | May be selected             |
| Plant type regulatory genes        | higher diversity                           | Strengthened by selection   |