**Table 1**. Sowing date, transplanting date and investigation traits of each cropping season.



**Table 2.** Number of KASP and SSR markers on twelve rice chromosomes.



**Table 3.** The correlations of HI in RILs among four cropping seasons.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Season | 2016ISG\_F | 2017ISG\_F | 2018ISG\_F | 2017TKB |
| 2016ISG\_F | − |  |  |  |
| 2017ISG\_F | 0.723 \*\*\* | − |  |  |
| 2018ISG\_F | 0.681 \*\*\* | 0.796 \*\*\* | − |  |
| 2017TKB | 0.680 \*\*\* | 0.486 \*\*\* | 0.548 \*\*\* | − |

\*\*\* represents a significant correlation between the two cropping seasons at *P* < 0.001 level.