

**Figure S1.** Cultivation of the rice line and the BPH colony. (a) The rice planted in basins. The soil in the basin was obtained from local rice field. (b) A gauze net was used to contain the BPHs and the rice, to isolate the BPHs from wild BPHs.

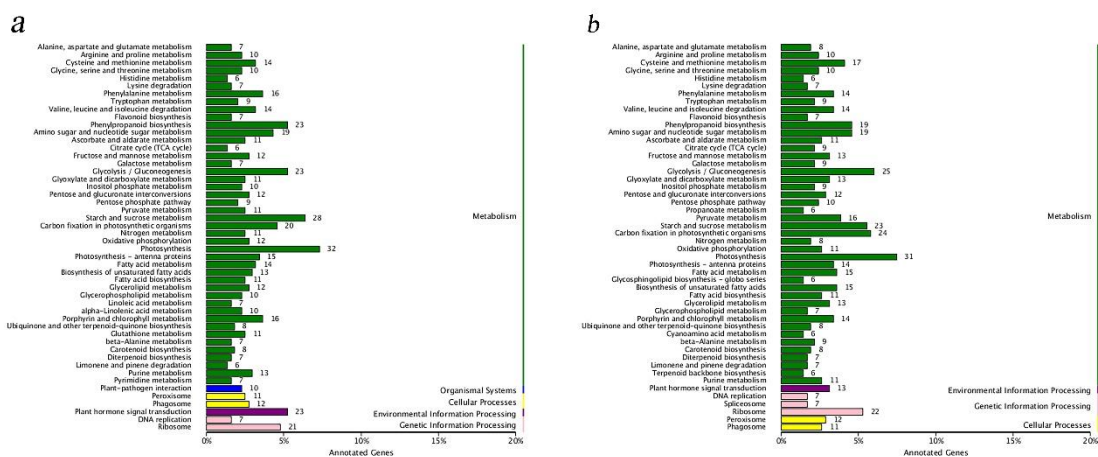




Table S1  $\alpha$ -diversity index of BPH population.

Sample	ACE	Chao1	Simpson	Shannon
BPHRIF	139.478	139.3333	0.214857	1.88887
BPHTN1	134.5869	134.25	0.469323	1.523409

Table S2 List of the primers of rice DEGs.

Gene Name	Forward (5'-3')	Reverse (5'-3')
<i>BGIOSGA005998</i>	CAGGTCGTATCCGCTCTA	TGTGCTTGCCTTCGTTG
<i>BGIOSGA006502</i>	ACCGAGTACGGCGACCACT	TCCACGACGGCGTCCAT
<i>BGIOSGA019723</i>	CTACCCTTTCTCCTCCA	CCAGCCTTCTTCTTCAT
<i>BGIOSGA026917</i>	AGCAAGTTCGCCAACGC	ATGCGGACGACACCCTC
<i>OsActin1</i>	CAGCACATTCCAGCAGAT	GGCTTAGCATTCTTGGGT