

Supplementary Information

Figure S1. The number of genes that were detected by at least one read were indicated in RNA-seq.

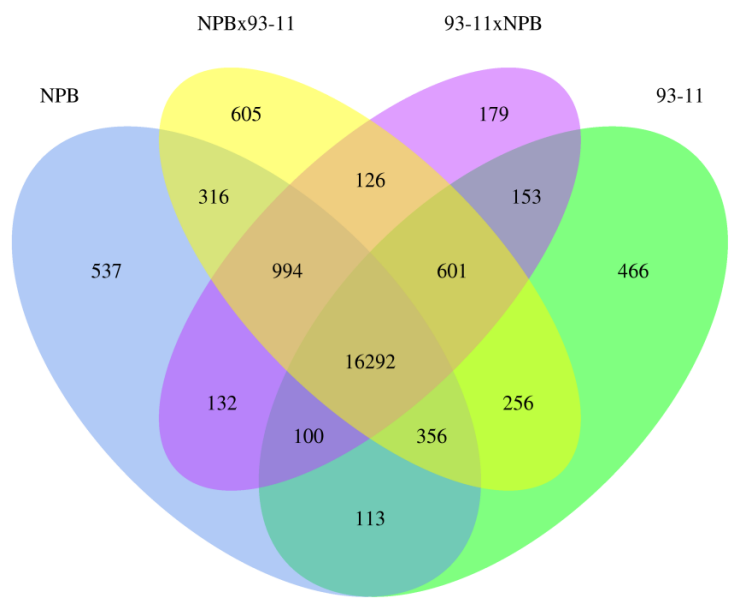


Figure S2. The number of differentially expressed genes (DEGs) identified between parent and hybrid. The number (2, 3, 4 and 5) indicates different groups of DEGs identified by pair-wise comparison between parent and hybrid: NPB *vs.* NPB \times 93-11, NPB *vs.* 93-11 \times NPB, 93-11 *vs.* NPB \times 93-11 and 93-11 *vs.* 93-11 \times NPB, respectively.

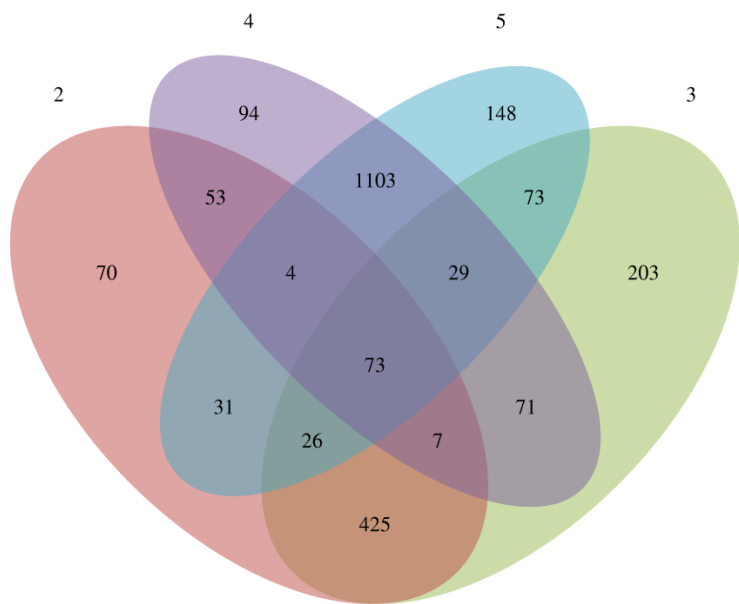


Figure S3. Distribution of gene ontology (GO) terms that were assigned to DEGs between the parent and hybrid.

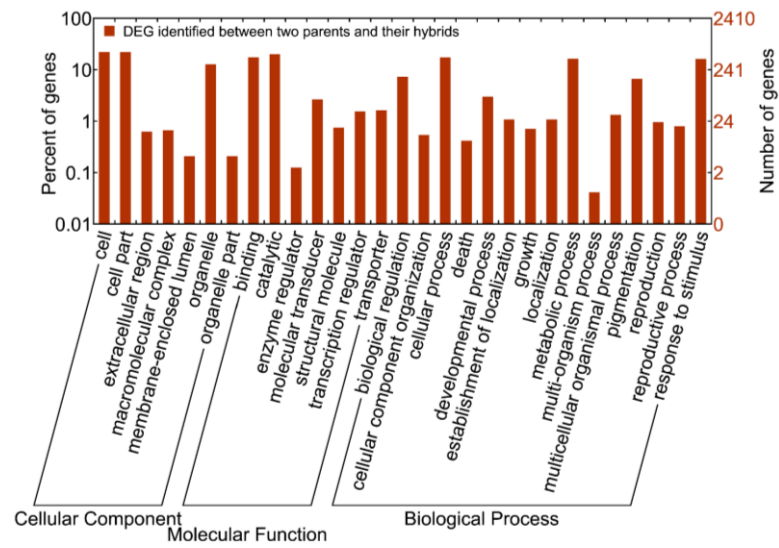


Figure S4. Number of DEGs between the parent and hybrid in each of the co-expression modules.

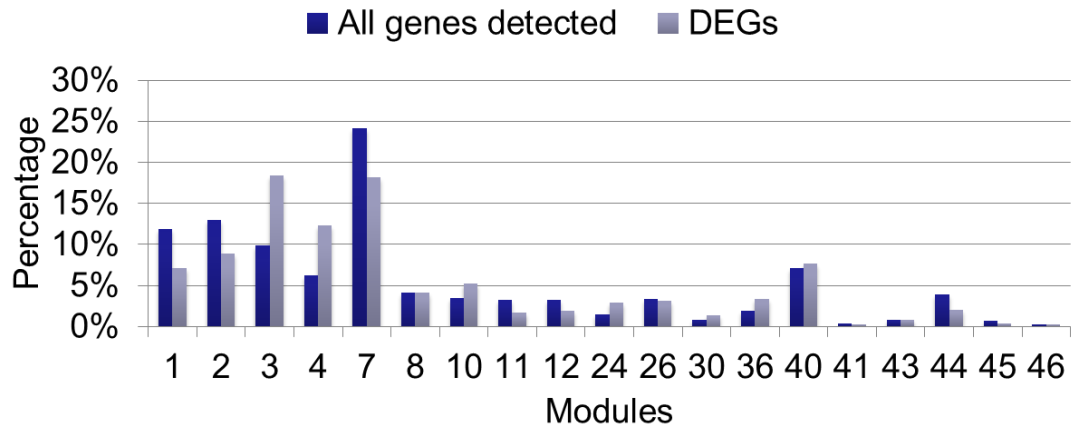


Figure S5. Histogram of ratios of maternal reads in reciprocal hybrids.

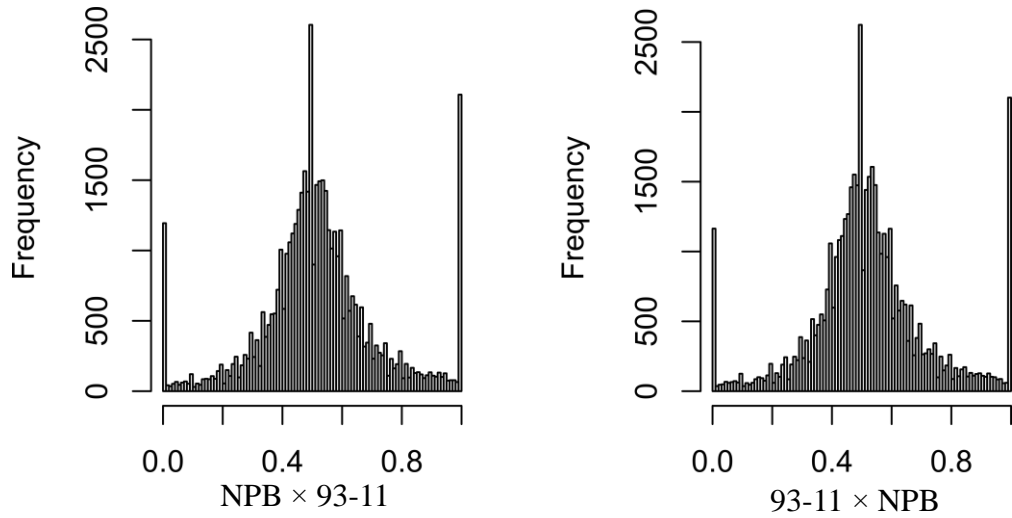


Figure S6. Number of transcription factors with allelic bias in hybrids for each transcription factor family.

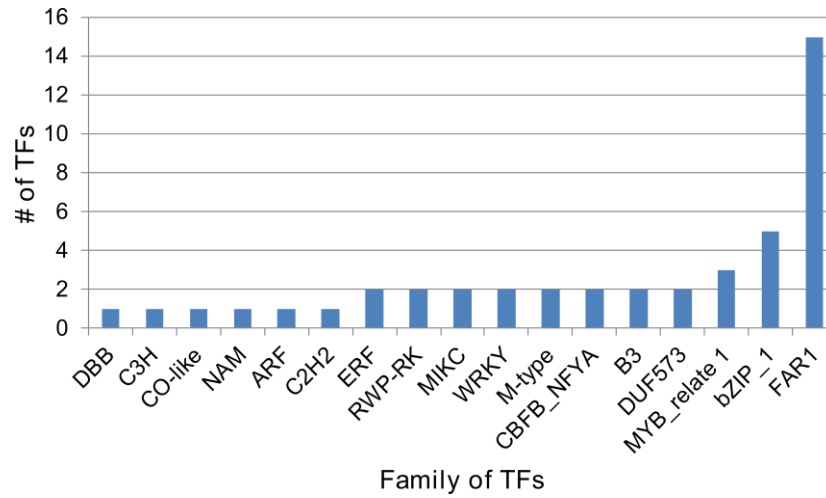


Table S1. Accession numbers of RNA-seq data used to estimate gene expression width.

Accession	Tissues	Organism	Reference
SRS266811	Oryza sativa, Nipponbare 20 Day Leaves	Oryza sativa Japonica Group	[28]
SRS266812	Oryza sativa, Nipponbare Emerging Inflorescence	Oryza sativa Japonica Group	[28]
SRS266813	Oryza sativa, Nipponbare Early Inflorescence	Oryza sativa Japonica Group	[28]
SRS266814	Oryza sativa, Nipponbare Anther	Oryza sativa Japonica Group	[28]
SRS266815	Oryza sativa, Nipponbare Pistil	Oryza sativa Japonica Group	[28]
SRS266816	Oryza sativa, Nipponbare Seed 5 Days After Pollination	Oryza sativa Japonica Group	[28]
SRS266817	Oryza sativa, Nipponbare Embryo 25 Days After Pollination	Oryza sativa Japonica Group	[28]
SRS266818	Oryza sativa, Nipponbare Endosperm 25 Days After Pollination	Oryza sativa Japonica Group	[28]
SRS266819	Oryza sativa, Nipponbare Seed 10 Days After Pollination	Oryza sativa Japonica Group	[28]
SRS266820	Oryza sativa, Nipponbare Endosperm 25 Days After Pollination	Oryza sativa Japonica Group	[28]
SRS266821	Oryza sativa, Nipponbare 20 Day Leaves	Oryza sativa Japonica Group	[28]