**Supplementary file 1. List of primers used in this study.**

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| **Experiment** | **Primer name** | **Sequence** |
| Cloning of a cDNA for *HRBP* | HbNgBR-Fw | 5'-ATGGATTTGAAACCTGGAGCTGG-3', |
|  | HbNgBR-Rv | 5'-TTATGTACCATAATTTTGCTGCACTGTTG-3' |
| Quantitative Real-time Reverse transcription PCR | HRBP-Fw | 5′-AATTTGCTTCCAGCTCCGATGG-3′ |
| HRBP-Rv | 5′-TAGATGGCATCTAACAGGTCC-3′ |
|  | 18SrRNA-S | 5′-CAAAGCAAGCCTACGCTCTG-3′ |
|  | 18SrRNA-A | 5′-TGCTTTCGCAGTTGTTCGTC-3′ |
| Split-ubiquitin-based Y2H assay and library screening | REF-Fw | 5'-ATTAACAAGGCCATTACGGCCATGGCTGAAGACGAAGACAACCAAC-3' |
| REF-Rv | 5'-AACTGATTGGCCGAGGCGGCCCCA TTCTCTCCATAAAACACCTTAGCAAG-3' |
|  | pPR3N Sequence Forward Primer | 5'-GTCGAAAATTCAAGACAAGG-3' |
|  | pPR3N Sequence Reverse Primer | 5'-AAGCGTGACATAACTAATTAC-3' |
|  | HRT1/HRT2 Rv2 Y2H | 5'-TTTGGCCGAGGCGGCCTTATTTTAAGTATTCCTTATGTTTC-3' |
|  | NgBR Fw Y2H | 5'-TTTGGCCATTACGGCCATGGATTTGAAACCTGGAG-3' |
|  | NgBR Rv2 Y2H | 5'-TTTGGCCGAGGCGGCCTCATGTACCATAATTTTGCTGCAC-3' |
|  | N-REF-SfiI\_Fw | 5'-ATGGGCCATTACGGCCATGGCTGAAGACGAAGACAAC-3' |
|  | N-REF-SfiI\_Rv | 5'-TAGGCCGAGGCGGCCTCAATTCTCTCCATAAAACACCTTA-3' |
|  | N-SRPP-SfiI\_Fw | 5'-ATGGGCCATTACGGCCATGGCTGAAGAGGTGGAG-3' |
|  | N-SRPP-SfiI\_Rv | 5'-ATAGGCCGAGGCGGCCTTATGATGCCTCATCTCCAAAC-3' |
| BiFC assay and subcellular localization analyses | MCS1-REF-NcoI\_Fw | 5'-ATGCCATGGCTGAAGACGAAGACAAC-3' |
| MCS1-REF-SpeI\_Rv | 5'-ATGACTAGTATTCTCTCCATAAAACACCTTAGC-3' |
|  | MCS1-HRT1-NcoI\_Fw | 5'-ATGCCATGGAATTATACAACGGTGAGAG-3' |
|  | MCS1-HRT1-SpeI\_Rv | 5'-ATGACTAGTTTTTAAGTATTCCTTATGTTTCTCCAAG-3' |
|  | MCS1-HRBP-NcoI\_Fw | 5'-ATGCCATGGATTTGAAACCTGGAGC-3' |
|  | MCS1-HRBP-SpeI\_Rv | 5'-ATGACTAGTTGTACCATAATTTTGCTGCAC-3' |
|  | MCS3-REF-RsrII\_Fw | 5'-ATGCGGTCCGCTGAAGACGAAGACAACC-3' |
|  | MCS3-REF-AatII\_Rv | 5'-ATGGACGTCACATTCTCTCCATAAAACACCTTAGC-3' |
|  | MCS3-HRBP-RsrII\_Fw | 5'-ATGCGGTCCGATTTGAAACCTGGAGCTGG-3' |
|  | MCS3-HRBP-AatII\_Rv | 5'-ATGGACGTCACTGTACCATAATTTTGCTGCAC-3' |
|  | mCherry-BamHI\_Fw | 5'-ATAGGATCCGTGAGCAAGGGCGAGG-3' |
|  | mCherry-XbaI\_Rv | 5'-AGCTCTAGATTACTTGTACAGCTCGTCCATG-3' |
|  | MCS3-HRBP-AatII\_Rv | 5'-ATGGACGTCTTATGTACCATAATTTTGCTGCAC-3' |
| Protein expression with the wheat germ cell-free system | CF-HRT Fw | 5'-TTTGGATCCGATGGAATTATACAACGGTGAGAGG-3' |
| CF-HRT Rv | 5'-TTTGCGGCCGCTTATTTTAAGTATTCCTTATGTTTCTCC-3' |
|  | CF-REF Fw | 5'-TTTCTCGAGATGGCTGAAGACGAAGAC-3' |
|  | CF-REF Rv Stop | 5'-TTTGGATCCTCAATTCTCTCCATAAAAC-3' |
|  | CF-HRBP Fw | 5'-TTTCTCGAGATGGATTTGAAACCTGGAGCTG-3' |
|  | CF-HRBP Rv | 5'-TTTCTCGAGTGTACCATAATTTTGCTGCAC-3' |