

| A   | B            | C              | D                                          | E                                             | F                                              | G                                                         | H                                            | I                                                     | J                                              | K                                          | L                                                                          | M                                            | N                                       | O                                   |
|-----|--------------|----------------|--------------------------------------------|-----------------------------------------------|------------------------------------------------|-----------------------------------------------------------|----------------------------------------------|-------------------------------------------------------|------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------|-------------------------------------|
| No. | RAP_ID       | MSU(TIGR)_ID   | CGSNL<br>proposal 1<br>main gene<br>symbol | CGSNL<br>proposal 1<br>synonym gene<br>symbol | Zhang et al.<br>2004 PMID:<br>15047897[1<br>3] | Qiu et al.<br>2004 DOI:<br>10.1360/9<br>82004-<br>183[14] | Xie et al.<br>2005 PMID:<br>15618416[12<br>] | Zhang &<br>Wang 2005<br>al. PMID:<br>15629062[<br>11] | Wu et<br>al. 2005<br>PMID=<br>161067<br>49[10] | Ryu et al.<br>2006<br>PMID:<br>16528562[9] | Ross et al.<br>2007<br>DOI:10.1111/j.<br>1744-<br>7909.2007.005<br>04.x[8] | Berri et al.<br>2009<br>PMID:<br>19772648[7] | Rushton 2010<br>review(tableS1)[1<br>5] | Rushton 2010<br>review(tableS2)[15] |
| 1   | Os01g0246700 | LOC_Os01g14440 | WRKY1                                      |                                               | WRKY1                                          | WRKY1                                                     | WRKY1                                        | WRKY96                                                | 4                                              | WRKY1                                      | WRKY1                                                                      | WRKY96                                       | WRKY1/WRKY96                            | WRKY1                               |
| 2   | Os10g0579400 | LOC_Os10g42850 | WRKY2                                      |                                               | WRKY2                                          | WRKY2                                                     | WRKY2                                        | WRKY1                                                 | 86                                             | WRKY2                                      | WRKY2                                                                      | WRKY1                                        | WRKY2/WRKY1                             | WRKY2                               |
| 3   | Os03g0758000 | LOC_Os03g55080 | WRKY3                                      |                                               | WRKY3                                          | WRKY3                                                     | WRKY3                                        | WRKY3                                                 | 37                                             | WRKY3                                      | WRKY3                                                                      | WRKY3                                        | WRKY3                                   | WRKY3                               |
| 4   | Os03g0758900 | LOC_Os03g55164 | WRKY4                                      |                                               | WRKY4                                          | WRKY4                                                     | WRKY4                                        | WRKY2                                                 | 36                                             | WRKY4                                      | WRKY4                                                                      | WRKY2                                        |                                         | WRKY4                               |
| 5   | Os05g0137500 | LOC_Os05g04640 | WRKY5                                      |                                               | WRKY5                                          | WRKY5                                                     | WRKY5                                        | WRKY43                                                | 46                                             | WRKY5                                      | WRKY5                                                                      | WRKY43                                       | WRKY5/WRKY43                            | WRKY5                               |
| 6   | Os03g0798500 | LOC_Os03g58420 | WRKY6                                      |                                               | WRKY6                                          | WRKY6                                                     | WRKY6                                        | WRKY102                                               | 38                                             | WRKY6                                      | WRKY6                                                                      | WRKY102                                      |                                         | WRKY6                               |
| 7   | Os05g0537100 | LOC_Os05g46020 | WRKY7                                      |                                               | WRKY7                                          | WRKY7                                                     | WRKY7                                        | WRKY46                                                | 57                                             | WRKY7                                      | WRKY7                                                                      | WRKY46                                       | WRKY7                                   | WRKY7                               |
| 8   | Os05g0583000 | LOC_Os05g50610 | WRKY8                                      |                                               | WRKY8                                          | WRKY8                                                     | WRKY8                                        | WRKY44                                                | 61                                             | WRKY8                                      | WRKY8                                                                      | WRKY44                                       | WRKY8/WRKY44                            | WRKY8                               |
| 9   | Os01g0289666 | LOC_Os01g18584 | WRKY9                                      |                                               | WRKY9                                          | WRKY9                                                     | WRKY9                                        | WRKY88                                                | 6                                              | WRKY9                                      | WRKY9                                                                      | WRKY88                                       |                                         | WRKY9                               |
| 10  | Os01g0186000 | LOC_Os01g09100 | WRKY10                                     |                                               | WRKY10                                         | WRKY10                                                    | WRKY10                                       | WRKY27                                                | 3                                              | WRKY10                                     | WRKY10                                                                     | WRKY27                                       | WRKY10/WRKY27                           | WRKY10                              |
| 11  | Os01g0626400 | LOC_Os01g43650 | WRKY11                                     |                                               | WRKY11                                         | WRKY11                                                    | WRKY11                                       | WRKY24                                                | 10                                             | WRKY11                                     | WRKY11                                                                     | WRKY24                                       | WRKY11/WRKY24                           | WRKY11                              |
| 12  | Os01g0624700 | LOC_Os01g43550 | WRKY12                                     |                                               | WRKY12                                         | WRKY12                                                    | WRKY12                                       | WRKY23                                                | 9                                              | WRKY12                                     | WRKY12                                                                     | WRKY23                                       | WRKY12/WRKY23                           | WRKY12                              |
| 13  | Os01g0750100 | LOC_Os01g54600 | WRKY13                                     |                                               | WRKY13                                         | WRKY13                                                    | WRKY13                                       | WRKY84                                                | 16                                             | WRKY13                                     | WRKY13                                                                     | WRKY84                                       | WRKY13                                  | WRKY13                              |
| 14  | Os01g0730700 | LOC_Os01g53040 | WRKY14                                     |                                               | WRKY14                                         | WRKY14                                                    | WRKY14                                       | WRKY33                                                | 14                                             | WRKY14                                     | WRKY14                                                                     | WRKY33                                       | WRKY14/WRKY33                           | WRKY14                              |
| 15  | Os01g0656400 | LOC_Os01g46800 | WRKY15                                     |                                               | WRKY15                                         | WRKY15                                                    | WRKY15                                       | WRKY97                                                | 11                                             | WRKY15                                     | WRKY15                                                                     | WRKY97                                       | WRKY15                                  | WRKY15                              |
| 16  |              | LOC_Os01g47560 | WRKY16                                     |                                               | WRKY16                                         | WRKY16                                                    | WRKY16                                       | WRKY35                                                | 12                                             | WRKY16                                     | WRKY16                                                                     | WRKY35                                       |                                         | WRKY16                              |
| 17  | Os01g0972800 | LOC_Os01g74140 | WRKY17                                     |                                               | WRKY17                                         | WRKY17                                                    | WRKY17                                       | WRKY28                                                | 24                                             | WRKY17                                     | WRKY17                                                                     | WRKY28                                       | WRKY17                                  | WRKY17                              |
| 18  | Os10g0328400 | LOC_Os10g18099 | WRKY18                                     |                                               | WRKY18                                         | WRKY18                                                    | WRKY18                                       | WRKY65                                                |                                                | WRKY18                                     |                                                                            | WRKY65                                       |                                         | WRKY99                              |
| 19  | Os05g0571200 | LOC_Os05g49620 | WRKY19                                     |                                               | WRKY19                                         | WRKY19                                                    | WRKY19                                       | WRKY107                                               | 60                                             | WRKY19                                     | WRKY19                                                                     | WRKY110                                      | WRKY19/WRKY110                          | WRKY19                              |
| 20  | Os01g0820900 | LOC_Os01g60540 | WRKY20                                     |                                               | WRKY20                                         | WRKY20                                                    | WRKY20                                       | WRKY40                                                | 19                                             | WRKY20                                     | WRKY20                                                                     | WRKY40                                       | WRKY20/WRKY40                           | WRKY20                              |
| 21  | Os01g0821600 | LOC_Os01g60640 | WRKY21                                     |                                               | WRKY21                                         | WRKY21                                                    | WRKY21                                       | WRKY68                                                | 21                                             | WRKY21                                     | WRKY21                                                                     | WRKY68                                       | WRKY21                                  | WRKY21                              |
| 22  | Os01g0820400 | LOC_Os01g60490 | WRKY22                                     |                                               | WRKY22                                         | WRKY22                                                    | WRKY22                                       | WRKY38                                                | 17                                             | WRKY22                                     | WRKY22                                                                     | WRKY38                                       | WRKY22/WRKY38                           | WRKY22                              |
| 23  | Os01g0734000 | LOC_Os01g53260 | WRKY23                                     |                                               | WRKY23                                         | WRKY23                                                    | WRKY23                                       | WRKY31                                                | 15                                             | WRKY23                                     | WRKY23                                                                     | WRKY31                                       | WRKY23/WRKY31                           | WRKY23                              |
| 24  | Os01g0826400 | LOC_Os01g61080 | WRKY24                                     |                                               | WRKY24                                         | WRKY24                                                    | WRKY24                                       | WRKY22                                                | 22                                             | WRKY24                                     | WRKY24                                                                     | WRKY22                                       | WRKY24                                  | WRKY24                              |
| 25  | Os08g0235800 | LOC_Os08g13840 | WRKY25                                     | WRKY44                                        | WRKY44                                         |                                                           | WRKY44                                       |                                                       | 73                                             | WRKY44                                     |                                                                            |                                              |                                         |                                     |
| 26  | Os08g0235800 | LOC_Os08g13840 | WRKY25                                     | WRKY44                                        | WRKY25                                         | WRKY25                                                    | WRKY25                                       | WRKY56                                                | 73                                             | WRKY25                                     | WRKY25                                                                     | WRKY56                                       |                                         | WRKY25                              |
| 27  | Os01g0714800 | LOC_Os01g51690 | WRKY26                                     | WRKY59                                        | WRKY26                                         | WRKY26                                                    | WRKY26                                       | WRKY36                                                | 13                                             | WRKY26                                     | WRKY26                                                                     | WRKY36                                       | WRKY26                                  | WRKY26                              |
| 28  | Os01g0714800 | LOC_Os01g51690 | WRKY26                                     | WRKY59                                        | WRKY59                                         |                                                           | WRKY59                                       |                                                       | 13                                             | WRKY59                                     |                                                                            |                                              |                                         |                                     |
| 29  | Os01g0586800 | LOC_Os01g40430 | WRKY27                                     |                                               | WRKY27                                         | WRKY27                                                    | WRKY27                                       | WRKY32                                                | 8                                              | WRKY27                                     | WRKY27                                                                     | WRKY32                                       |                                         | WRKY27                              |
| 30  | Os06g0649000 | LOC_Os06g44010 | WRKY28                                     |                                               | WRKY28                                         | WRKY28                                                    | WRKY28                                       | WRKY4                                                 | 66                                             | WRKY28                                     | WRKY28                                                                     | WRKY4                                        | WRKY28/WRKY4                            | WRKY28                              |
| 31  | Os07g0111400 | LOC_Os07g02060 | WRKY29                                     |                                               | WRKY29                                         | WRKY29                                                    | WRKY29                                       | WRKY49                                                | 67                                             | WRKY29                                     | WRKY29                                                                     | WRKY49                                       | WRKY29                                  | WRKY29                              |
| 32  | Os08g0499300 | LOC_Os08g38990 | WRKY30                                     |                                               | WRKY30                                         | WRKY30                                                    | WRKY30                                       | WRKY47                                                | 76                                             | WRKY30                                     | WRKY30                                                                     | WRKY47                                       |                                         | WRKY30                              |
| 33  | Os06g0504900 | LOC_Os06g30860 | WRKY31                                     |                                               | WRKY31                                         | WRKY31                                                    | WRKY31                                       | WRKY6                                                 | 65                                             | WRKY31                                     | WRKY31                                                                     | WRKY6                                        | WRKY31                                  | WRKY31                              |
| 34  | Os02g0770500 | LOC_Os02g53100 | WRKY32                                     |                                               | WRKY32                                         | WRKY32                                                    | WRKY32                                       | WRKY17                                                | 30                                             | WRKY32                                     | WRKY32                                                                     | WRKY17                                       |                                         | WRKY32                              |
| 35  |              |                | WRKY33                                     |                                               | WRKY33                                         | WRKY33                                                    | WRKY33                                       |                                                       |                                                | WRKY33                                     |                                                                            |                                              |                                         |                                     |
| 36  | Os02g0652100 | LOC_Os02g43560 | WRKY34                                     |                                               | WRKY34                                         | WRKY34                                                    | WRKY34                                       | WRKY12                                                | 28                                             | WRKY34                                     | WRKY34                                                                     | WRKY12                                       | WRKY34                                  | WRKY34                              |
| 37  | Os04g0471700 | LOC_Os04g39570 | WRKY35                                     |                                               | WRKY35                                         | WRKY35                                                    | WRKY35                                       | WRKY37                                                | 41                                             | WRKY35                                     | WRKY35                                                                     | WRKY37                                       | WRKY35/WRKY37                           | WRKY35                              |
| 38  | Os04g0545000 | LOC_Os04g46060 | WRKY36                                     |                                               | WRKY36                                         | WRKY36                                                    | WRKY36                                       |                                                       | 42                                             | WRKY36                                     | WRKY36                                                                     | WRKY111                                      |                                         | WRKY36                              |
| 39  | Os04g0597300 | LOC_Os04g50920 | WRKY37                                     |                                               | WRKY37                                         | WRKY37                                                    | WRKY37                                       | WRKY34                                                | 43                                             | WRKY37                                     | WRKY37                                                                     | WRKY34                                       |                                         |                                     |

|    |              |                |        |         |        |                         |        |         |    |        |         |         |                |                      |
|----|--------------|----------------|--------|---------|--------|-------------------------|--------|---------|----|--------|---------|---------|----------------|----------------------|
| 40 |              |                | WRKY38 |         | WRKY38 |                         | WRKY38 |         |    | WRKY38 |         |         |                |                      |
| 41 | Os02g0265200 | LOC_Os02g16540 | WRKY39 |         | WRKY39 | WRKY39                  | WRKY39 | WRKY54  | 26 | WRKY39 | WRKY39  | WRKY54  | WRKY39         | WRKY39               |
| 42 | Os11g0117500 | LOC_Os11g02530 | WRKY40 |         | WRKY40 | WRKY40                  | WRKY40 | WRKY10  | 90 | WRKY40 | WRKY40  | WRKY10  | WRKY40         | WRKY40               |
| 43 | Os11g0686400 | LOC_Os11g45924 | WRKY41 |         | WRKY41 | WRKY41                  | WRKY41 |         |    | WRKY41 | WRKY41  |         |                | lacks WRKY signature |
| 44 | Os02g0462800 | LOC_Os02g26430 | WRKY42 |         | WRKY42 | WRKY42                  | WRKY42 | WRKY50  | 27 | WRKY42 | WRKY42  | WRKY50  | WRKY42         | WRKY42               |
| 45 | Os05g0567200 | LOC_Os05g49210 | WRKY43 |         | WRKY43 | WRKY43                  | WRKY43 | WRKY86  | 59 | WRKY43 | WRKY43  | WRKY86  |                | WRKY43               |
| 46 | Os05g0322900 | LOC_Os05g25770 | WRKY45 |         | WRKY45 | WRKY45                  | WRKY45 | WRKY71  | 50 | WRKY45 | WRKY45  | WRKY71  | WRKY45/WRKY71  | WRKY45               |
| 47 | Os11g0116900 | LOC_Os11g02480 | WRKY46 | WRKY91  | WRKY46 | WRKY46                  | WRKY46 | WRKY76  | 88 | WRKY46 | WRKY46A | WRKY76  | WRKY46a        | WRKY46A              |
| 48 | Os07g0680400 | LOC_Os07g48260 | WRKY47 |         | WRKY47 | WRKY47                  | WRKY47 | WRKY79  | 72 | WRKY47 | WRKY47  | WRKY79  | WRKY47         | WRKY47               |
| 49 | Os05g0478400 | LOC_Os05g40060 | WRKY48 |         | WRKY48 | WRKY48                  | WRKY48 | WRKY95  | 53 | WRKY48 | WRKY48  | WRKY95  |                | WRKY48               |
| 50 | Os05g0565900 | LOC_Os05g49100 | WRKY49 |         | WRKY49 | WRKY49                  | WRKY49 | WRKY85  | 58 | WRKY49 | WRKY49  | WRKY85  | WRKY49/WRKY85  | WRKY49               |
| 51 | Os11g0117600 | LOC_Os11g02540 | WRKY50 |         | WRKY50 | WRKY50                  | WRKY50 | WRKY11  | 91 | WRKY50 | WRKY50  | WRKY11  | WRKY50         | WRKY50               |
| 52 | Os04g0287400 | LOC_Os04g21950 | WRKY51 |         | WRKY51 | WRKY51                  | WRKY51 | WRKY42  | 40 | WRKY51 | WRKY51  | WRKY42  | WRKY51/WRKY42  | WRKY51               |
| 53 | Os11g0116600 | LOC_Os11g02470 | WRKY52 |         | WRKY52 | WRKY52                  | WRKY52 | WRKY7   | 87 | WRKY52 | WRKY52  | WRKY7   |                | WRKY52               |
| 54 | Os05g0343400 | LOC_Os05g27730 | WRKY53 |         | WRKY53 | WRKY53                  | WRKY53 | WRKY61  | 51 | WRKY53 | WRKY53  | WRKY61  | WRKY53/WRKY61  | WRKY53               |
| 55 | Os05g0478800 | LOC_Os05g40080 | WRKY54 |         | WRKY54 | WRKY54                  | WRKY54 | WRKY93  | 56 | WRKY54 | WRKY54  | WRKY93  | WRKY54         | WRKY54               |
| 56 | Os03g0321700 | LOC_Os03g20550 | WRKY55 |         | WRKY55 | WRKY55                  | WRKY55 | WRKY72  | 31 | WRKY55 | WRKY55  | WRKY72  | WRKY55         | WRKY55               |
| 57 | Os01g0843800 | LOC_Os01g62514 | WRKY56 |         | WRKY56 | WRKY56/W                | WRKY56 |         |    | WRKY56 |         | WRKY108 | WRKY101/WRKY11 | WRKY101              |
| 58 | Os12g0102300 | LOC_Os12g01180 | WRKY57 |         | WRKY57 | WRKY57                  | WRKY57 | WRKY73  | 95 | WRKY57 | WRKY57  | WRKY73  |                | WRKY57               |
| 59 | Os05g0528500 | LOC_Os05g45230 | WRKY58 |         | WRKY58 | WRKY58                  | WRKY58 | WRKY108 |    | WRKY58 | WRKY58  | WRKY112 | WRKY58/WRKY11  | WRKY58               |
| 60 | Os03g0657400 | LOC_Os03g45450 | WRKY60 |         | WRKY60 | WRKY60                  | WRKY60 | WRKY25  | 34 | WRKY60 | WRKY60  | WRKY25  |                | WRKY60               |
| 61 | Os11g0685700 | LOC_Os11g45850 | WRKY61 | WRKY103 | WRKY61 | WRKY61                  | WRKY61 | WRKY66  | 94 | WRKY61 | WRKY61  | WRKY66  | WRKY61/WRKY78  | WRKY61               |
| 62 | Os09g0417800 | LOC_Os09g25070 | WRKY62 |         | WRKY62 | WRKY62                  | WRKY62 | WRKY14  | 82 | WRKY62 | WRKY62  | WRKY14  | WRKY62/WRKY14  | WRKY62               |
| 63 |              | LOC_Os11g45920 | WRKY63 |         | WRKY63 |                         | WRKY63 | WRKY67  | 93 | WRKY63 |         | WRKY67  |                |                      |
| 64 | Os12g0116700 | LOC_Os12g02450 | WRKY64 |         | WRKY64 | WRKY64                  | WRKY64 | WRKY75  | 97 | WRKY64 | WRKY64  | WRKY75  | WRKY64         | WRKY64               |
| 65 | Os12g0116850 | LOC_Os12g02470 | WRKY65 |         | WRKY65 | WRKY65                  | WRKY65 | WRKY74  | 96 | WRKY65 | WRKY65  | WRKY74  |                | WRKY65               |
| 66 | Os02g0698800 | LOC_Os02g47060 | WRKY66 |         | WRKY66 | WRKY66                  | WRKY66 | WRKY57  | 29 | WRKY66 | WRKY66  | WRKY57  | WRKY66         | WRKY66               |
| 67 | Os05g0183100 | LOC_Os05g09020 | WRKY67 |         | WRKY67 | WRKY67                  | WRKY67 | WRKY63  | 47 | WRKY67 | WRKY67  | WRKY63  | WRKY67/WRKY63  | WRKY67               |
| 68 | Os04g0605100 | LOC_Os04g51560 | WRKY68 |         | WRKY68 | WRKY68                  | WRKY68 | WRKY30  | 44 | WRKY68 | WRKY68  | WRKY30  | WRKY68         | WRKY68               |
| 69 | Os08g0386200 | LOC_Os08g29660 | WRKY69 |         | WRKY69 | WRKY69                  | WRKY69 | WRKY53  | 75 | WRKY69 | WRKY69  | WRKY53  | WRKY69/WRKY53  | WRKY69               |
| 70 | Os05g0474800 | LOC_Os05g39720 | WRKY70 |         | WRKY70 | WRKY70                  | WRKY70 | WRKY69  | 52 | WRKY70 | WRKY70  | WRKY69  | WRKY70/WRKY69  | WRKY70               |
| 71 | Os02g0181300 | LOC_Os02g08440 | WRKY71 |         | WRKY71 | WRKY71                  | WRKY71 | WRKY18  | 25 | WRKY71 | WRKY71  | WRKY18  | WRKY71/WRKY18  | WRKY71               |
| 72 | Os11g0490900 | LOC_Os11g29870 | WRKY72 |         | WRKY72 | WRKY72                  | WRKY72 | WRKY78  | 92 | WRKY72 | WRKY72  | WRKY78  | WRKY72         | WRKY72               |
| 73 | Os06g0146250 | LOC_Os06g05380 | WRKY73 |         | WRKY73 | WRKY73                  | WRKY73 | WRKY5   | 63 | WRKY73 | WRKY73  | WRKY5   |                | WRKY73               |
| 74 | Os09g0334500 | LOC_Os09g16510 | WRKY74 |         | WRKY74 | WRKY74                  | WRKY74 | WRKY100 | 80 | WRKY74 | WRKY74  | WRKY100 | WRKY74/WRKY10  | WRKY74               |
| 75 | Os05g0321900 | LOC_Os05g25700 | WRKY75 |         | WRKY75 | WRKY75                  | WRKY75 | WRKY70  | 49 | WRKY75 | WRKY75  | WRKY70  |                | WRKY75               |
| 76 | Os09g0417600 | LOC_Os09g25060 | WRKY76 |         | WRKY76 | WRKY76                  | WRKY76 | WRKY58  | 81 | WRKY76 | WRKY76  | WRKY58  | WRKY76         | WRKY76               |
| 77 | Os01g0584900 | LOC_Os01g40260 | WRKY77 |         | WRKY77 | WRKY77                  | WRKY77 | WRKY20  | 7  | WRKY77 | WRKY77  | WRKY20  | WRKY77/WRKY20  | WRKY77               |
| 78 |              |                | WRKY78 |         |        | WRKY78                  |        |         |    |        |         |         |                |                      |
| 79 | Os03g0335200 | LOC_Os03g21710 | WRKY79 |         |        | WRKY79                  |        | WRKY19  | 32 |        | WRKY44  | WRKY19  | WRKY44/WRKY19  | WRKY44               |
| 80 | Os03g0855100 | LOC_Os03g63810 | WRKY80 |         |        | WRKY80                  |        | WRKY81  | 30 |        | WRKY88  | WRKY81  | WRKY88         | WRKY88               |
| 81 | Os03g0444900 | LOC_Os03g33012 | WRKY81 |         |        | WRKY81                  |        |         |    | WRKY84 | WRKY84  | WRKY107 | WRKY84/WRKY1   | WRKY84               |
| 82 | Os05g0233100 | LOC_Os05g14370 | WRKY82 |         |        | WRKY82                  |        | WRKY45  | 48 |        | WRKY90  | WRKY45  |                | WRKY90               |
| 83 | Os05g0583600 | LOC_Os05g50680 | WRKY83 |         |        | WRKY83(OSJNBb0035N21.7) |        |         |    |        |         |         |                |                      |

|     |              |                |         |         |  |        |        |         |     |        |         |         |               |                                |
|-----|--------------|----------------|---------|---------|--|--------|--------|---------|-----|--------|---------|---------|---------------|--------------------------------|
| 84  | Os05g0478700 | LOC_Os05g40070 | WRKY84  |         |  | WRKY84 |        | WRKY94  | 54  |        | WRKY91  | WRKY94  |               | WRKY91                         |
| 85  |              |                | WRKY85  |         |  | WRKY85 |        |         |     |        |         |         |               |                                |
| 86  |              |                | WRKY86  |         |  | WRKY86 |        |         |     |        |         |         |               |                                |
| 87  | Os07g0583700 | LOC_Os07g39480 | WRKY87  |         |  | WRKY87 | WRKY78 | WRKY59  | 70  | WRKY78 | WRKY78  | WRKY59  | WRKY78        | WRKY78                         |
| 88  | Os07g0596900 | LOC_Os07g40570 | WRKY88  |         |  | WRKY88 |        | WRKY103 | 68  |        | WRKY96  | WRKY103 | WRKY96        | WRKY96                         |
| 89  | Os08g0276200 | LOC_Os08g17400 | WRKY89  |         |  | WRKY89 |        | WRKY48  | 74  | WRKY82 | WRKY82  | WRKY48  | WRKY82        | WRKY82                         |
| 90  | Os09g0481700 | LOC_Os09g30400 | WRKY90  |         |  | WRKY90 | WRKY80 | WRKY13  | 83  | WRKY80 | WRKY80  | WRKY13  | WRKY80        | WRKY80                         |
| 91  | Os11g0116900 | LOC_Os11g02480 | WRKY46  | WRKY91  |  | WRKY91 |        | WRKY8   | 88  |        |         | WRKY8   |               |                                |
| 92  |              |                | WRKY92  |         |  | WRKY92 |        |         |     |        |         |         |               |                                |
| 93  |              |                | WRKY93  |         |  | WRKY93 |        |         |     |        |         |         |               |                                |
| 94  | Os12g0597700 | LOC_Os12g40570 | WRKY94  |         |  | WRKY94 |        | WRKY89  | 102 | WRKY83 | WRKY83  | WRKY89  | WRKY83        | WRKY83                         |
| 95  | Os12g0116600 | LOC_Os12g02440 | WRKY95  |         |  | WRKY95 |        | WRKY101 | 98  |        | WRKY56  | WRKY101 | WRKY56/WRKY10 | WRKY56                         |
| 96  | Os12g0507300 | LOC_Os12g32250 | WRKY96  |         |  | WRKY96 |        | WRKY83  | 101 | WRKY85 | WRKY85  | WRKY83  | WRKY85        | WRKY85                         |
| 97  | Os12g0116400 | LOC_Os12g02420 | WRKY97  |         |  | WRKY97 |        |         | 99  |        | WRKY46B |         | WRKY46b       | WRKY46b                        |
| 98  |              |                | WRKY98  |         |  | WRKY38 |        |         |     |        |         |         |               |                                |
| 99  |              |                | WRKY99  |         |  | WRKY44 |        |         |     |        |         |         |               |                                |
| 100 |              |                | WRKY100 |         |  | WRKY59 |        |         |     |        |         |         |               |                                |
| 101 |              |                | WRKY101 |         |  | WRKY63 |        |         |     |        |         |         |               |                                |
| 102 | Os01g0182700 | LOC_Os01g08710 | WRKY102 |         |  |        | WRKY79 | WRKY90  | 1   | WRKY79 | WRKY79  | WRKY90  | WRKY79/WRKY90 | WRKY79                         |
| 103 | Os11g0685700 | LOC_Os11g45850 | WRKY61  | WRKY103 |  |        | WRKY81 |         | 94  | WRKY81 |         |         |               |                                |
| 104 | Os11g0117400 | LOC_Os11g02520 | WRKY104 |         |  |        |        | WRKY9   | 89  |        | WRKY100 | WRKY9   | WRKY100/WRKY8 | WRKY100                        |
| 105 | Os08g0198000 | LOC_Os08g09800 | WRKY105 |         |  |        |        | WRKY15  |     |        |         | WRKY15  |               | transposon                     |
| 106 | Os08g0198100 | LOC_Os08g09810 | WRKY106 |         |  |        |        | WRKY16  |     |        |         | WRKY16  |               | transposon                     |
| 107 | Os01g0185900 | LOC_Os01g09080 | WRKY107 |         |  |        |        | WRKY26  | 2   |        | WRKY97  | WRKY26  | WRKY97        | WRKY97                         |
| 108 | Os01g0821300 | LOC_Os01g60600 | WRKY108 |         |  |        |        | WRKY41  | 20  |        | WRKY86  | WRKY41  |               | WRKY86                         |
| 109 | Os05g0129800 | LOC_Os05g03900 | WRKY109 |         |  |        |        | WRKY52  | 45  |        | WRKY89  | WRKY52  | WRKY89        | WRKY89                         |
| 110 |              |                | WRKY110 |         |  |        |        | WRKY55  |     |        |         | WRKY55  |               |                                |
| 111 | Os05g0584000 | LOC_Os05g50700 | WRKY111 |         |  |        |        | WRKY60  | 62  |        | WRKY92  | WRKY60  |               | WRKY92                         |
| 112 | Os09g0269300 | LOC_Os09g09630 | WRKY112 |         |  |        |        | WRKY62  | 77  |        | WRKY98  | WRKY62  | WRKY98        | WRKY98                         |
| 113 | Os06g0158100 | LOC_Os06g06360 | WRKY113 |         |  |        |        | WRKY64  | 64  |        | WRKY93  | WRKY64  | WRKY93/WRKY64 | WRKY93                         |
| 114 | Os12g0116100 | LOC_Os12g02400 | WRKY114 |         |  |        |        | WRKY77  | 100 |        | WRKY81  | WRKY77  | WRKY81        | WRKY81                         |
| 115 | Os07g0460900 | LOC_Os07g27670 | WRKY115 |         |  |        |        | WRKY87  | 69  |        | WRKY95  | WRKY87  | WRKY95        | WRKY95                         |
| 116 | Os01g0820700 | LOC_Os01g60520 | WRKY116 |         |  |        |        | WRKY105 | 18  |        | WRKY18  | WRKY105 |               | WRKY18                         |
| 117 | Os08g0198400 | LOC_Os08g09840 | WRKY117 |         |  |        |        | WRKY109 |     |        |         | WRKY113 |               | transposon                     |
| 118 | Os08g0198900 | LOC_Os08g09900 | WRKY118 |         |  |        |        | WRKY111 |     |        |         | WRKY115 |               | transposon                     |
| 119 | Os01g0842700 | LOC_Os01g62510 | WRKY119 |         |  |        |        |         | 23  |        |         | WRKY119 |               | lack WRKY signature            |
| 120 |              |                | WRKY120 |         |  |        |        |         | 33  |        |         |         |               |                                |
| 121 | Os03g0741400 | LOC_Os03g53050 | WRKY121 |         |  |        |        |         | 35  |        | WRKY87  | WRKY109 | WRKY87        | WRKY87                         |
| 122 | Os03g0758900 | LOC_Os03g55164 | WRKY4   | WRKY122 |  |        |        |         | 36  |        |         | WRKY120 |               |                                |
| 123 | Os07g0273700 | LOC_Os07g17230 | WRKY123 |         |  |        |        |         | 71  |        | WRKY94  |         |               | WRKY94(lacks WRKY signature)   |
| 124 |              |                | WRKY124 |         |  |        |        |         | 85  |        | WRKY99  |         |               |                                |
| 125 | Os11g0684100 | LOC_Os11g45750 | WRKY125 |         |  |        |        |         |     |        | WRKY59  |         |               | WRKY59(lack of WRKY signature) |