**Table S3.**

|  |  |
| --- | --- |
| Gene  | Genbank Accession No. |
| NnMYB1 | AQOG01018314.1 |
| NnMYB2 | AQOG01033025.1 |
| NnMYB3 | AQOG01018863.1 |
| NnMYB4 | AQOG01000706.1 |
| NnMYB5 | AQOG01026491.1 |
| NnMYB6 | AQOG01033433.1 |
| NnMYB7 | AQOG01017596.1 |
| NnMYB8 | AQOG01000161.1 |
| NnMYB9 | AQOG01020708.1 |
| NnMYB10-1 | AQOG01001540.1 |
| NnMYB10-2 | AQOG01001540.1 |
| NnMYB10-3 | AQOG01001540.1 |
| NnMYB11  | AQOG01026505.1 |
| NnMYB12  | AQOG01026490.1 |
| NnMYB13 | AQOG01028619.1 |
| NnMYB14 | AQOG01003228.1 |
| NnMYB15 | AQOG01018106.1 |
| NnMYB16-1  | AQOG01026488.1 |
| NnMYB16-2 | AQOG01026488.1  |
| NnMYB17 | AQOG01013411.1 |
| NnMYB18 | AQOG01013412.1 |
| NnMYB19-1 | AQOG01025278.1 |
| NnMYB19-2 | AQOG01025278.1 |
| NnMYB20 | AQOG01012433.1 |
| NnMYB21  | AQOG01025279.1 |
| NnMYB22 | AQOG01025826.1 |
| NnMYB23 | AQOG01020038.1 |
| NnMYB24 | AQOG01004186.1 |
| NnMYB25  | AQOG01016608.1 |
| NnMYB26  | AQOG01001607.1 |
| NnMYB27 | AQOG01009837.1 |
| NnMYB28 | AQOG01033024.1 |
| NnMYB29  | AQOG01028325.1 |
| NnMYB30 | AQOG01033017.1 |
| NnMYB31  | AQOG01033802.1 |
| NnMYB32 | AQOG01038157.1 |
| NnMYB33 | AQOG01005290.1 |
| NnMYB34  | AQOG01001779.1 |
| NnMYB35 | AQOG01018258.1 |
| NnMYB36  | AQOG01012503.1 |
| NnMYB37  | AQOG01009412.1 |
| NnMYB38  | AQOG01001273.1 |
| NnMYB39 | AQOG01031421.1 |
| NnMYB40  | AQOG01015939.1 |
| NnMYB41 | AQOG01030630.1 |
| NnMYB42-1  | AQOG01013413.1 |
| NnMYB42-2 | AQOG01013413.1 |
| NnMYB43  | AQOG01018530.1 |
| NnMYB44 | AQOG01050923.1 |
| NnMYB45 | AQOG01009647.1 |
| NnMYB46 | AQOG01013507.1 |
| NnMYB47 | AQOG01015676.1 |
| NnMYB48 | AQOG01035142.1 |
| NnMYB49 | AQOG01026478.1 |
| NnMYB50 | AQOG01031793.1 |
| NnMYB51 | AQOG01006984.1 |
| NnMYB52 | AQOG01002201.1 |
| NnMYB53 | AQOG01044897.1 |
| NnMYB54 | AQOG01010841.1 |
| NnMYB55 | AQOG01029299.1 |
| NnMYB56 | AQOG01029111.1 |
| NnMYB57**\*** | AQOG01013632.1 |
| NnMYB58-1  | AQOG01020227.1 |
| NnMYB58-2  | AQOG01020227.1 |
| NnMYB59 | AQOG01015873.1 |
| NnMYB60  | AQOG01000971.1 |
| NnMYB61 | AQOG01004704.1 |
| NnMYB62 | AQOG01032840.1 |
| NnMYB63 | AQOG01016223.1 |
| NnMYB64 | AQOG01013851.1 |
| NnMYB65 | AQOG01024540.1 |
| NnMYB66 | AQOG01010265.1 |
| NnMYB67  | AQOG01024690.1 |
| NnMYB68\* | AQOG01000955.1 |
| NnMYB69  | AQOG01010291.1 |
| NnMYB70 | AQOG01029112.1 |
| NnMYB71-1 | AQOG01028519.1 |
| NnMYB71-2 | AQOG01028519.1 |
| NnMYB72 | AQOG01034196.1 |
| NnMYB73 | AQOG01041111.1| |
| NnMYB74 | AQOG01039353.1 |
| NnMYB75\* | AQOG01042094.1 |
| NnMYB76  | AQOG01026502.1 |
| NnMYB77  | AQOG01018588.1 |
| NnMYB78  | AQOG01012120.1 |
| NnMYB79 | AQOG01028758.1 |
| NnMYB80 | AQOG01006636.1 |
| NnMYB81  | AQOG01004747.1 |
| NnMYB82  | AQOG01021893.1 |
| NnMYB83  | AQOG01022336.1 |
| NnMYB84  | AQOG01012944.1 |
| NnMYB85 | AQOG01042099.1 |
| NnMYB86 | AQOG01030670.1 |
| NnMYB87  | AQOG01042096.1 |
| NnMYB88 NnbHLH1*NnbHLH2*NnbHLH3 NnbHLH4 NnbHLH5 NnbHLH6 NnbHLH7 NnbHLH8 NnbHLH9 NnbHLH10 NnWD40-1 (NnTTG1)NnWD40-2 NnWD40-3 NnWD40-4 NnWD40-5 NnWD40-6 NnWD40-7 NnWD40-8 NnWD40-9 NnWD40-10 NnWD40-11 NnWD40-12 NnWD40-13 NnWD40-14 NnWD40-15 NnWD40-16 NnWD40-17  | AQOG01034559.1AQOG01008515.1AQOG01002332.1AQOG01007910.1AQOG01034656.1 AQOG01024603.1AQOG01027389.1AQOG01035295.1AQOG01000883.1AQOG01018784.1AQOG01005821.1AQOG01000638.1 AQOG01004307.1AQOG01022925.1AQOG01010670.1AQOG01009782.1AQOG01019684.1AQOG01026554.1AQOG01024604.1AQOG01012020.1AQOG01025845.1AQOG01046228.1 AQOG01003717.1 AQOG01030211.1AQOG01001212.1AQOG01035001.1AQOG01032126.1AQOG01002889.1  |

**Note:** \* represent that the R2R3 motifs were not discovered from corresponding contigs, so these three genes (*NnMYB57*, *NnMYB*68 and *NnMYB75*) are not involved in phylogenetic analysis.