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| **Additional file 8: Table S5 TFs isolated as the candidates regulating terpenoids biosynthesis.**  |
| 　 | Blast information to TFs regulating terpenoids biosynthesis | FPKM values | STEM |
| Name | Evalue | Subject | Species | Referecnes | A | B | C | profile |
| CgbHLH1-1 | 1.8E-157 | AabHLH1 | *Artemisia annua* | Ji *et al*. 2014 | 16.19  | 27.08  | 32.09  | 3 |
| CgbHLH1-2 | 8.3E-162 | AabHLH1 | *Artemisia annua* | Ji *et al*. 2014 | 18.63  | 18.31  | 16.86  | 0 |
| CgbHLH1-3 | 1.8E-173 | AabHLH1 | *Artemisia annua* | Ji *et al*. 2014 | 14.20  | 28.05  | 36.44  | 3 |
| CgbHLH2 | 2.2E-57 | CrBIS2 | *Catharanthus roseus* | van Moerkercke *et al*. 2016 | 17.66  | 4.49  | 8.05  | 1 |
| CgbHLH3 | 0 | PbbHLH4 | *Phalaenopsis bellina* | Chuang *et al.* 2018 | 21.99  | 7.82  | 5.47  | 0 |
| CgbZIP1 | 5.7E-134 | OsTGAP1 | *Oryza sativa* | Okada *et al.* 2009 | 0.24  | 0.20  | 0.18  | 0 |
| CgbZIP2 | 3.7E-116 | OsbZIP79 | *Oryza sativa* | Miyamoto *et al.* 2015 | 0.28  | 0.19  | 0.38  | 1 |
| CgbZIP3-1 | 1.1E-90 | AabZIP1 | *Artemisia annua* | Zhang *et al.* 2015 | 1.22  | 1.44  | 1.21  | 2 |
| CgbZIP3-2 | 4.5E-90 | AabZIP1 | *Artemisia annua* | Zhang *et al.* 2015 | 3.73  | 2.65  | 4.71  | 1 |
| CgbZIP3-3 | 1.7E-81 | AabZIP1 | *Artemisia annua* | Zhang *et al.* 2015 | 42.43  | 23.53  | 24.99  | 0 |
| CgbZIP4 | 9.8E-117 | OsbZIP79 | *Oryza sativa* | Miyamoto *et al.* 2015 | 5.39  | 2.46  | 3.89  | 1 |
| CgbZIP5 | 3.8E-128 | PbbZIP4 | *Phalaenopsis bellina* | Chuang *et al.* 2018 | 16.58  | 10.33  | 8.07  | 0 |
| CgbZIP6 | 4.9E-124 | OsTGAP1 | *Oryza sativa* | Okada *et al.* 2009 | 0.39  | 0.52  | 1.02  | 3 |
| CgbZIP7 | 1.3E-81 | PbbZIP4 | *Phalaenopsis bellina* | Chuang *et al.* 2018 | 33.08  | 40.24  | 48.92  | 3 |
| CgbZIP8 | 1.1E-107 | PbbZIP4 | *Phalaenopsis bellina* | Chuang *et al.* 2018 | 42.84  | 37.88  | 30.37  | 0 |
| CgERF1 | 2.3E-77 | CitAP2.10 | *Citrus sinensis* | Shen *et al.* 2016 | 4.33  | 6.45  | 6.35  | 3 |
| CgERF2 | 5.1E-127 | CitAP2.10 | *Citrus sinensis* | Shen *et al.* 2016 | 2.30  | 31.76  | 13.02  | 2 |
| CgERF3 | 5.2E-119 | CitAP2.10 | *Citrus sinensis* | Shen *et al.* 2016 | 7.87  | 1.76  | 0.50  | 0 |
| CgERF4 | 2.9E-75 | CitAP2.10 | *Citrus sinensis* | Shen *et al.* 2016 | 2.93  | 3.26  | 3.99  | 3 |
| CgMYB1 | 1.5E-51 | MsMYB | *Mentha spicata* | Reddy *et al.* 2017 | 1.58  | 4.53  | 8.31  | 3 |
| CgMYB2 | 2.7E-104 | CrBPF1 | *Catharanthus roseus* | *Li* et al. 2015 | 0.15  | 0.02  | 0.13  | 1 |
| CgMYB3 | 3.3E-58 | MsMYB | *Mentha spicata* | Reddy *et al.* 2017 | 29.65  | 9.96  | 4.71  | 0 |
| CgMYB4 | 1E-50 | MsMYB | *Mentha spicata* | Reddy *et al.* 2017 | 2.32  | 0.65  | 7.02  | 3 |
| CgMYB5 | 2.3E-61 | MsMYB | *Mentha spicata* | Reddy *et al.* 2017 | 90.04  | 7.19  | 6.79  | 0 |
| CgNAC1 | 3.7E-79 | AaNAC2 | *Actinidia arguta* | Nieuwenhuizen *et al.* 2015 | 2.66  | 2.17  | 21.68  | 3 |
| CgNAC2 | 5.6E-80 | AaNAC2 | *Actinidia arguta* | Nieuwenhuizen *et al.* 2015 | 4.19  | 1.32  | 7.97  | 1 |
| CgNAC3 | 1.2E-87 | AaNAC2 | *Actinidia arguta* | Nieuwenhuizen *et al.* 2015 | 0.91  | 2.13  | 28.82  | 3 |
| CgNAC4 | 7.3E-59 | AaNAC4 | *Actinidia arguta* | Nieuwenhuizen *et al.* 2015 | 0.66  | 0.74  | 1.76  | 3 |
| CgNAC5 | 1.4E-75 | AaNAC4 | *Actinidia arguta* | Nieuwenhuizen *et al.* 2015 | 9.68  | 15.55  | 28.74  | 3 |
| CgNAC6 | 2.2E-57 | AaNAC4 | *Actinidia arguta* | Nieuwenhuizen *et al.* 2015 | 3.74  | 2.31  | 9.12  | 3 |
| CgWRKY1 | 8E-56 | GaWRKY1 | *Gossypium arboreum* | Xu *et al.* 2004 | 0.32  | 3.56  | 13.27  | 3 |
| CgWRKY2 | 6E-59 | GaWRKY1 | *Gossypium arboreum* | Xu *et al.* 2004 | 4.67  | 4.90  | 5.63  | 3 |
| \*: CgbZIP6 was not considered as a candidate TF due to its extremely low expression levels (FPKM <1). |  |  |  |