

| Table S1: binding sites in MED promoters | | | | SKN-1 | SKN-1core |
|--|---------------------|--------|-------|----------|-----------|
| # | Name | Length | %AT | WWTRTCAT | RTCAT |
| 1 | japonica_MED1 | 600bp | 66.67 | 2 | 7 |
| 2 | afra_MED1.3 | 600bp | 48.33 | 3** | 11** |
| 3 | sulstoni_MED1.1 | 600bp | 53.50 | 3** | 7* |
| 4 | waitukubuli_MED1.1 | 600bp | 55.50 | 4** | 11** |
| 5 | panamensis_MED1.1 | 600bp | 57.50 | 0 | 6* |
| 6 | nouraguensis_MED1.1 | 600bp | 57.83 | 2* | 8* |
| 7 | becei_MED1.2 | 600bp | 58.67 | 3** | 5 |
| 8 | kamaaina_MED1.1 | 600bp | 54.17 | 3** | 5 |
| 9 | inopinata_MED1.1 | 600bp | 63.67 | 4** | 11** |
| 10 | elegans_MED1 | 600bp | 64.67 | 1 | 8* |
| 11 | doughertyi_MED1.1 | 600bp | 63.17 | 6** | 13** |
| 12 | tropicalis_MED1.1 | 600bp | 65.17 | 3* | 10** |
| 13 | brenneri_MED1.20 | 600bp | 61.67 | 3* | 9** |
| 14 | remanei_MED1 | 600bp | 58.00 | 4** | 11** |
| 15 | latens_MED1.1 | 600bp | 58.83 | 4** | 10** |
| 16 | nigoni_MED1.3 | 600bp | 63.33 | 4** | 9* |
| 17 | briggsae_MED1.3 | 600bp | 62.50 | 3* | 6 |
| 18 | sinica_MED1.1 | 600bp | 64.00 | 3* | 9** |
| 19 | zanzibari_MED1.1 | 600bp | 66.50 | 3* | 5 |
| 20 | tribulationis_MED | 600bp | 60.67 | 3** | 7 |

* $0.01 \leq p \leq 0.05$

** $p < 0.01$