**Table S1: Comparison of major classifications of Family Lamiaceae**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bentham**  **(1876)** | **Briquet**  **(1895-1897)** | **Erdtman**  **(1945)** | **Wunderlich**  **(1967)** | **Cantino *et al.***  **(1992)** | **Harley *et al.***  **(2004)** |
|  | | Subfam.  Lamioideae |  |  | Subfam. Symphorematoideae |
| Subfam. Viticoideae | Subfam. Viticoideae |
| Subfam. Chloanthoideae |  |
| Tribe Prostanthereae | Subfam. Prostantherioideae | Subfam. Prostantherioideae | Subfam. Prostantherioideae | Subfam. Prostantherioideae  Tribe Chloantheae  Tribe Westringieae |
| Tribe Prasieae | Subfam. Prasioidea |  |  |  |
| Tribe Ajugeae | Subfam. Ajugoideae  Tribe Ajugeae  Tribe Rosmarineae | Subfam. Ajugoideae | Subfam. Ajugoideae | Subfam. Ajugoideae |
|  |  |  | Subfam. Teucrioideae |  |
| Tribe Lamieae  Subtr. Scutellariinae  Subtr. Melittidinae  Subtr. Lamiinae  Subtr. Marrubinae | Subfam. Scutellarioideae | Subam. Scutellarioideae  Subfam. Lamioideae  Tribe Lamieae  Subtr. Melittidinae  Subtr. Lamiinae  Tribe Marrubieae  Tribe Prasieae | Subfam. Scutellarioideae | Subfam. Scutellarioideae |
| Subfam. Lamioidea  Tribe Perilomieae  Tribe Lamieae  Subtr. Prunellineae  Subtr. Melittidinae  Subtr. Lamiinae  Tribe Marrubieae | Subfam. Lamioideae | Subfam. Lamioideae |
|  | |
|  | Subfam. Pogostemonoideae |  |
| Tribe Nepeteae | Tribe Nepeteae | Subfam.  Nepetoideae | Subfam. Nepetoideae  Tribe Nepeteae | Subfam. Nepetoideae | Subfam. Nepetoideae |
| Tribe Salvieae | Tribe Salvieae  Tribe Meriandreae  Tribe Monardeae | Tribe Salvieae  Tribe Meriandreae  Tribe Monardeae |  |  |
| Tribe Mentheae  Subtr. Pogostemoninae  Subtr. Origaninae  Subtr. Melissinae  Subtr. Hormininae | Tribe Pogostemoneae  Tribe Mentheae  Subtr. Hyssopinae  Subtr. Origaninae  Subtr. Menthinae  Subtr. Collinsonlinae  Subtr. Melissinae  Tribe Glechoneae  Tribe Hormineae  Tribe Lepechinieae | Tribe Elsholtzieae  Tribe Mentheae  Subtr. Hyssopinae  Subtr. Origaninae  Subtr. Menthinae  Subtr. Collinsonlinae  Subtr. Melissinae  Tribe Prunelieae  Tribe Glechoneae  Tribe Hormineae  Tribe Lepechinieae | Tribe Elsholtzieae  Tribe Mentheae | Tribe Elsholtzieae  Tribe Mentheae  Subtr. Menthinae  Subtr. Salviinae  Subtr. Nepetinae |
| Tribe Ocimeae  Subtr. Lavandulinae  Subtr. Plectranthinae | Subfam. Lavanduloideae  Subfam. Ocimoideae  Subtr. Hyptidinae  Subtr. Plectranthinae  Subtr. Ociminae | Tribe Rosmarineae  Tribe Lavanduleae  Tribe Ocimeae  Subtr. Hyptidinae  Subtr. Plectranthinae  Subtr. Ociminae | Tribe Lavanduleae  Tribe Ocimeae | Tribe Ocimeae  Subtr. Hyptidinae  Subtr. Plectranthinae  Subtr. Ociminae  Subtr. Lavandulinae  Subtr. Hanceolinae |
|  | Subfam. Catoferioideae | Subfam. Catoferioideae |  |  |