Ehretia macrophylla
Ehretia acuminata
Ixorhea tschudiana

100 ⎧ *H. mandonii*
    ⎩ *H. arborescens*

Heliotropium s. str. section *Heliothamnus*

97 ⎧ *H. curass. ssp. oculatum*
    ⎩ *H. curassavicum*
H. angiospermum
H. krauseanum
T. luzonica
T. glabra
H. amplexicaule
T. hirsutissima
T. microcalyx
H. microstachyum
T. argentea
T. gnaphalodes
H. transalpinum
Ceballosia fruticosa

Heliotropium s. str. of the New World + *Tournefortia* section *Tournefortia*

H. suaveolens
H. oliverianum
53 ⎧ *H. hirsutissimum*
73 ⎧ *H. europaeum*
75 ⎧ *H. digynum*
    ⎩ *H. arbainense*
56
H. aegyptiacum
H. giessii
99 *H. supinum*
79

Heliotropium s. str. of the Old World

92 ⎧ *H. procumbens*
    ⎩ *H. ovalifolium*
89 *H. campestre*
88 ⎧ *H. bursiferum*
    ⎩ *H. humifusum*
58 *H. rariflorum*
52 ⎧ *H. antillanum*
    ⎩ *Schleidenia lagoensis*
73
100 ⎧ *H. mendocinum*
    ⎩ *H. chrysanthum*
92

Heliotropium section *Orthostachys* + *Schleidenia*

T. volubilis 689
T. volubilis 147
55 *T. salzmannii*
100 *T. psilostachya*

Tournefortia section *Cyphocyema*

71
60
100

⎯⎯ 0.01 changes

Fig. **2-2**. Neighbor-joining tree of the analyzed species of Heliotropiaceae. Important taxa are indicated. Numbers near branches are bootstrap values (1000 replicates). Scale of branches indicates numbers of nucleotide substitutions per sites calculated by Kimura's two-parameter method.