



Figures 4-1 to 4-6: Transfer cells (TCs) in Lennoaceae, Hydrophyllaceae *s.str.*, and Heliotropiaceae. 4-1: Schematic longitudinal section (LS) of general fruit type (drupe) of many representatives of Boraginales (TCs red dotted area). 4-2: *Pholisma arenarium*. Scanning electron micrograph (SEM) of ruptured lignified endocarpid, seed overview, testa of TCs up to the funiculus (f), outer tangential cell wall partly removed. 4-3: *Nama demissum*. SEM, transverse section (TS), one-layered seed testa, TCs of loose and irregularly spherical, corpuscular structure. 4-4: *Phacelia tanacetifolia*. SEM, TS, one-layered seed testa, TCs of heterogeneous structure, ranging from dense spherical corpuscles to a fragile net, with a spongy structure within one cell. 4-5: *P. tanacetifolia*. SEM, overview of testa, outer tangential cell wall removed, fragile net of spongy structure of wall ingrowth of TC. 4-6: *Heliotropium indicum*. SEM, TS, mericarpid, one-layered testa of TCs of a labyrinth of finger-like, branched and anastomosing ingrowths of the cell wall. em: embryo, en: endocarp, es: endosperm, f: funiculus, ot: outer tangential cell wall of the testa, pl: placenta, st: stylus, t: testa of transfer cells, vs: vessels.