Clade	Taxon	Helix	1111111111111111111111111111----------1111111111111111111111111111
MYRIOPUS	*Tournefortia salzmannii* **A** (Fig.6-9)		----GGGUCC-GGUGCCGGGUGGCGGCU---CUU-----AGCCGUUUCGCGUCCUC-CGGUCCC----
EUPLOCA	*Heliotropium procumbens* **B**		GCUCGGGAUC-GGU--CGGGU-GCGGC------AC-----GCCGUCAUUCG--CUC-CGGUCCCAAGU
	Heliotropium chrysanthum		GCTCGGGG-C-GGA--C-GGU----------CCUCC----------GUUCG---UC-C--UCCCAAGU
HELIOTHAMNUS	*Heliotropium mandonii*		----GGG-CCGCGG--CGGG----------GAGA----------CCCG---UCCCGGCCC----
	Heliotropium arborescens **C**		----GGG-CCGUGG--CGGG----------GAGA----------CCCG---UCCCGGCCC----
HELIOTROPIUM I	*Heliotropium pycnophyllum*		----GGG-CCUCGG--AGGCGAGCGGC------UA----G-CCGCGGACCG---UCCUGGCCC----
	Heliotropium curassavicum		----GGG-CCUCAG--UGGCGAGCGGC------UU----G-CCGUGAGCCA---GUGAGGCCC----
	Heliotropium elongatum		----CGG-CCUCGA--AGGGGAGCGGC------AA----G-CCGUGAACCG---UCGUGGCCC----
	Heliotropium indicum		----GGG-CCUCGA--AGG----------GCAA----------CCU---UCGUGGCCC----
	Heliotropium amplexicaule		----GGA--CUCGU--CGGGGAACGGC------UA----G-CCGUGAACCG---UCGUGGCCC----
	Heliotropium nicotianaefolium		----GGA--CUCGU--CGGGGAUCGGC------UA----G-CCGUGAACCG---UCGUGGCCC----
	Heliotropium transalpinum		----GGC-CCUCGU--CGGGGAGCGGC------UA----G-CCGCGAACCG---CCGUGGGCC----
	Heliotropium paronychioides		----GGU-CCUCGG--CGGUGAGCG------UGUAUU-----CGCGAACCG---UCGUGGCCC----
	Tournefortia luzonica		----GGGUCCUCGG--CGGGGAGCGG------CUAU-----CCGUGAACCG---UCGUUGCCC----
	Tournefortia polystachya		----GGGUCCUCGG--CGGGGAGCGG------CUAU-----CCGUGAACCG---UCGUGGCCC----
	Tournefortia hirsutissima		----GGGUCCUCGG--CGGGGAACGG------CUAU-----CCGUGAACCG---UCGUCGCCC----
HELIOTROPIUM II	*Ceballosia fruticosa* **D**		----GGG-CCUCGG--CGGCGAGCGGC------UA----GCCCGUGAACCG---CCGUUGCCC----
	Argusia sibirica		---GGGG-CCUCGG--CGGCGAGCGGC------GU----G-CCGCGGACCG---UCCUGGCCCC---
	Argusia sogdiana **F**		----------
	Heliotropium nelsonii		----------
	Heliotropium zeylanicum		----------
	Heliotropium ciliatum		---GGGG-CC----------CC----------GGCCCC---
	Heliotropium lineare		---GGGG-CC----------CC----------GGCCCC---
	Heliotropium giessii		---GGGG-CC----------CA----------GGCCCC---
	Heliotropium aegyptiacum		---GGGG-CC----------CG----------GGCCCC---
	Heliotropium hirsutissimum		---GGGG-CC----------UC----------GGCCCC---
	Heliotropium supinum		---GGGG-CC----------CC----------GGCCC----
	Nogalia drepanophyllum		---GGGG-CC----------AC----------GGCCCC---
	Heliotropium oliverianum		---GGGG-CC----------UC----------GGCCCC---
	Heliotropium tubulosum		---GGGG-CC----------UC----------GGCCCC---
	Heliotropium suaveolens		---GGGG-CC----------UC----------GGCCC----
	Heliotropium digynum		---GGGG-CC----------UC----------GGCCCC---
	Heliotropium arbainense		---GGGG-CC----------UC----------GGCCCC---
	Heliotropium crassifolium		---GGGG-CC----------UC----------GGCCCC---
	Heliotropium europaeum **E**		---GGGG-CC----------UC----------GGCCCC---
	Heliotropium bacciferum		---GGGG-CC----------UC----------GGCCCC---
	Heliotropium erosum		---GGGG-CC----------UC----------GGCCCC---
	Heliotropium asperrimum		---GGGG-CC----------UC----------GGCCCC---

Fig. **6-8**. Examples of proposed alignment of helix I, considering secondary structure of the ITS1. Pairing bases are indicated bold. Partial abridgements of helix I are highlighted.