

Molecular and chemotypic variability of forskolin in *Coleus forskohlii* Briq., a high value industrial crop collected from Western Himalayas (India)

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Supplementary Table 1: Frequency of trichome (number /mm² of leaf area) on lower and upper surface of twelve *Coleus* germplasms.

Germplasm code	Trichome frequency*	
	Upper surface	Lower surface
NBC-07	35.00	18.33
NBC-08	32.66	21.66
NBC-11	25.00	18.33
NBC-16	25.33	18.66
NBC-17	30.22	19.33
NBC-18	26.33	20.66
NBC-19	25.00	18.33
NBC-23	29.33	21.00
NBC-24	25.66	17.33
NBC-25	25.00	19.66
NBC-01	26.66	20.33
NBC-14	32.00	23.00

- Values are mean, n=3



NBC-07



NBC-08



NBC-11



NBC-16



NBC-17



NBC-18



NBC-19



NBC-23



NBC-24



NBC-25



NBC-01



NBC-14

Supplementary figure 1a. Germplasms of *Coleus forskohlii* collected from different locations of Western Himalayas in their natural conditions.



NBC-07



NBC-08



NBC-11



NBC-16



NBC-17



NBC-18



NBC-19



NBC-23



NBC-24



NBC-25

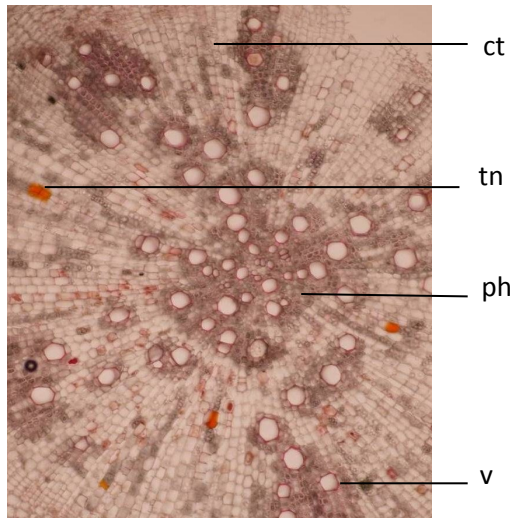


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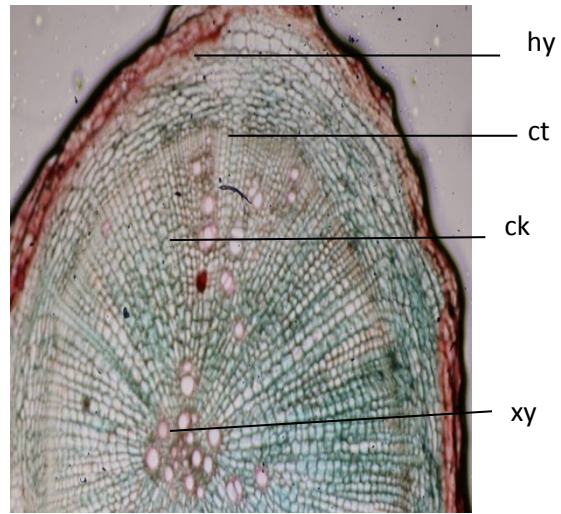


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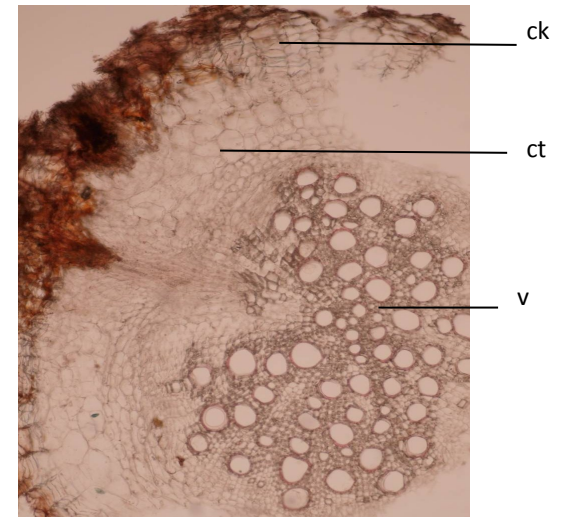
Supplementary figure 1b. Root sample of collected *C. forskohlii* germplasms from different populations of Western Himalayas.



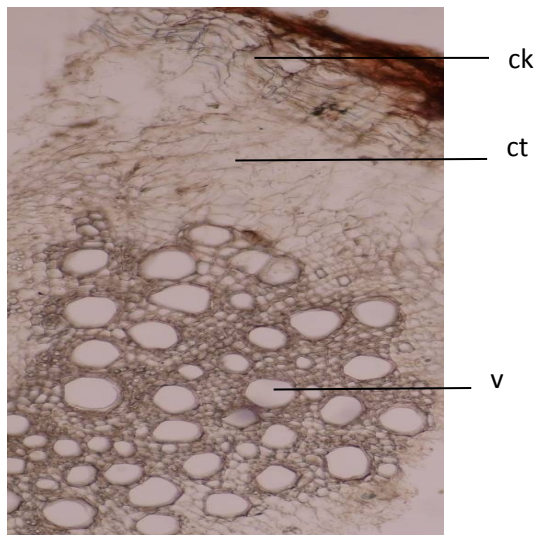
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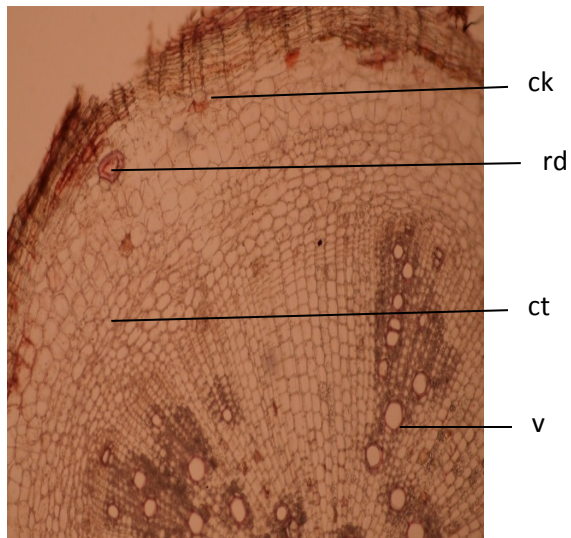
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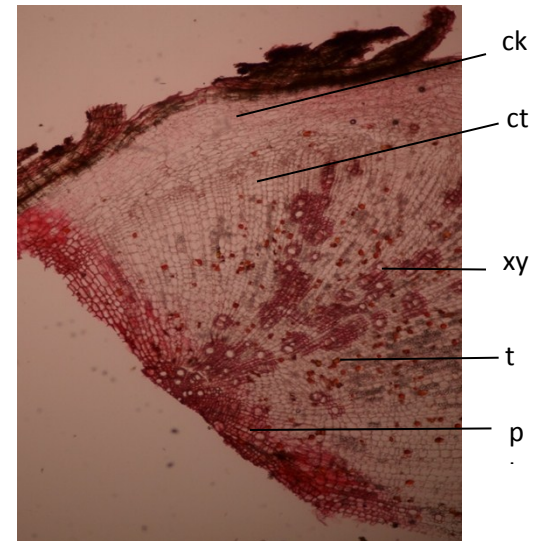
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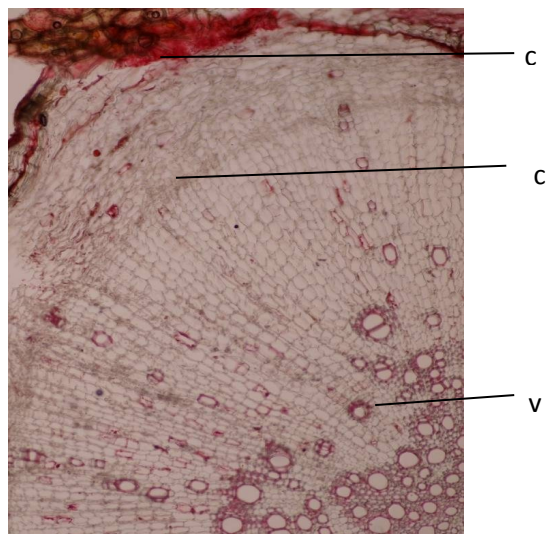
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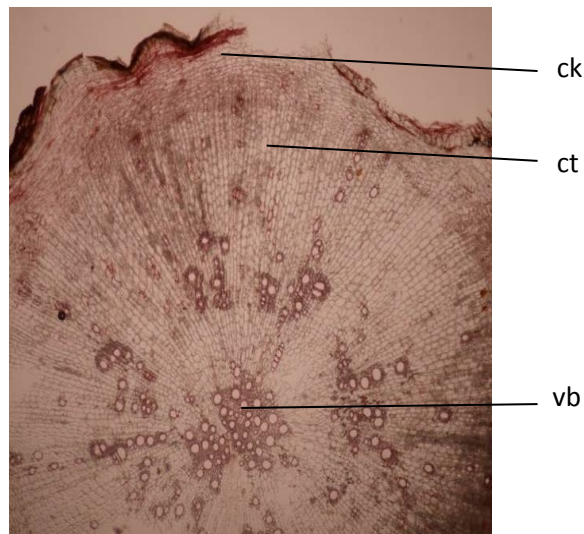
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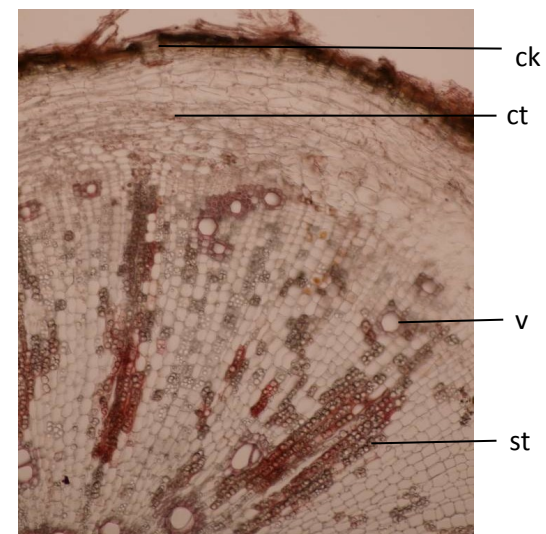
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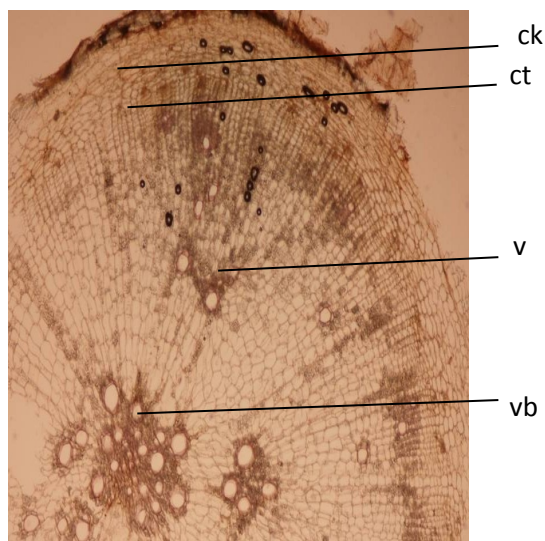
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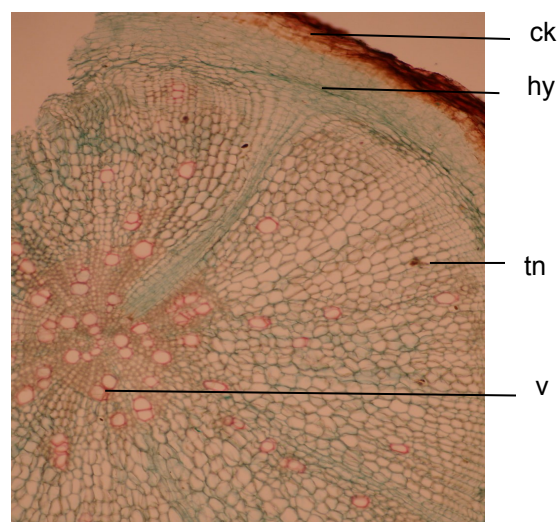
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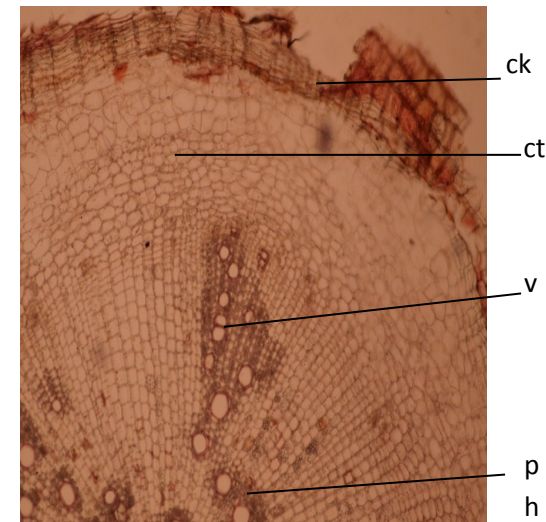
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NBC-23

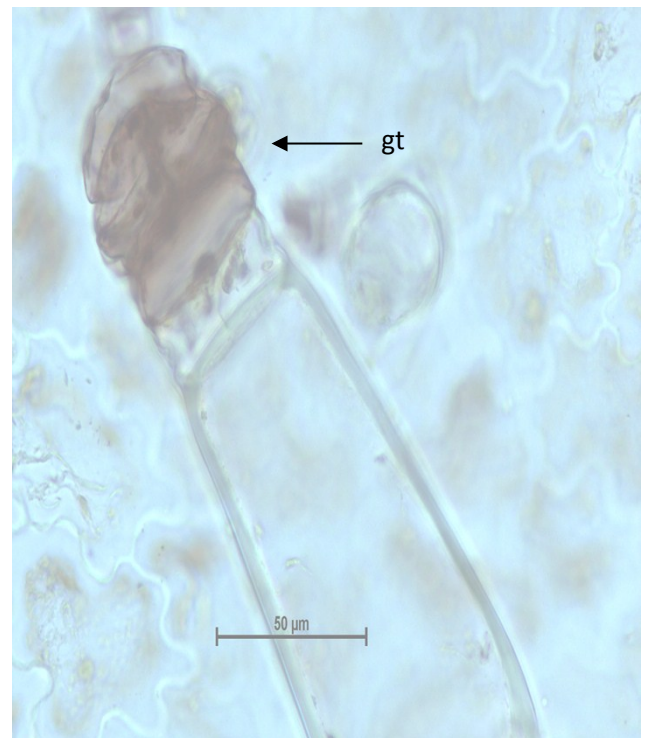
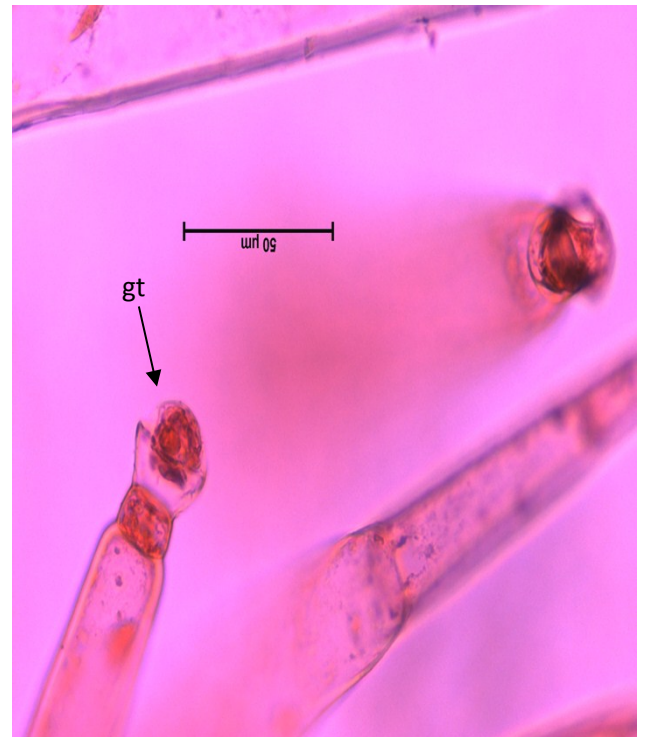
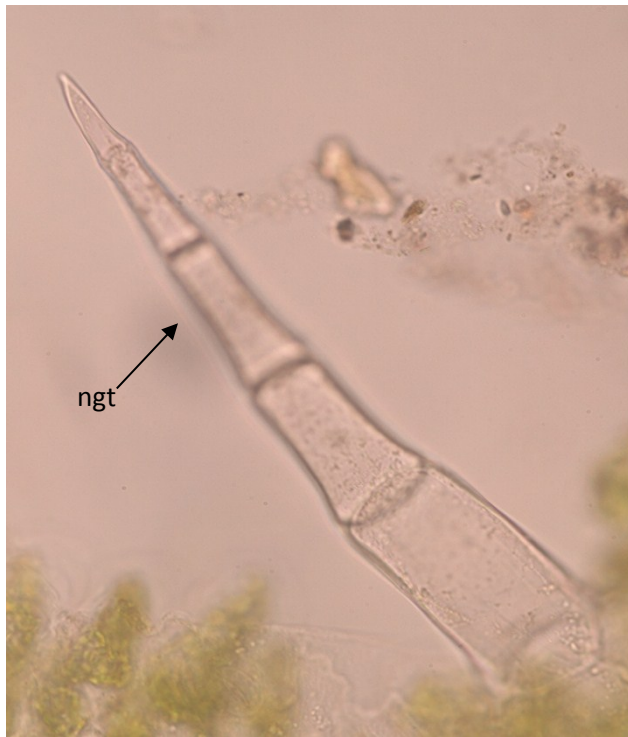


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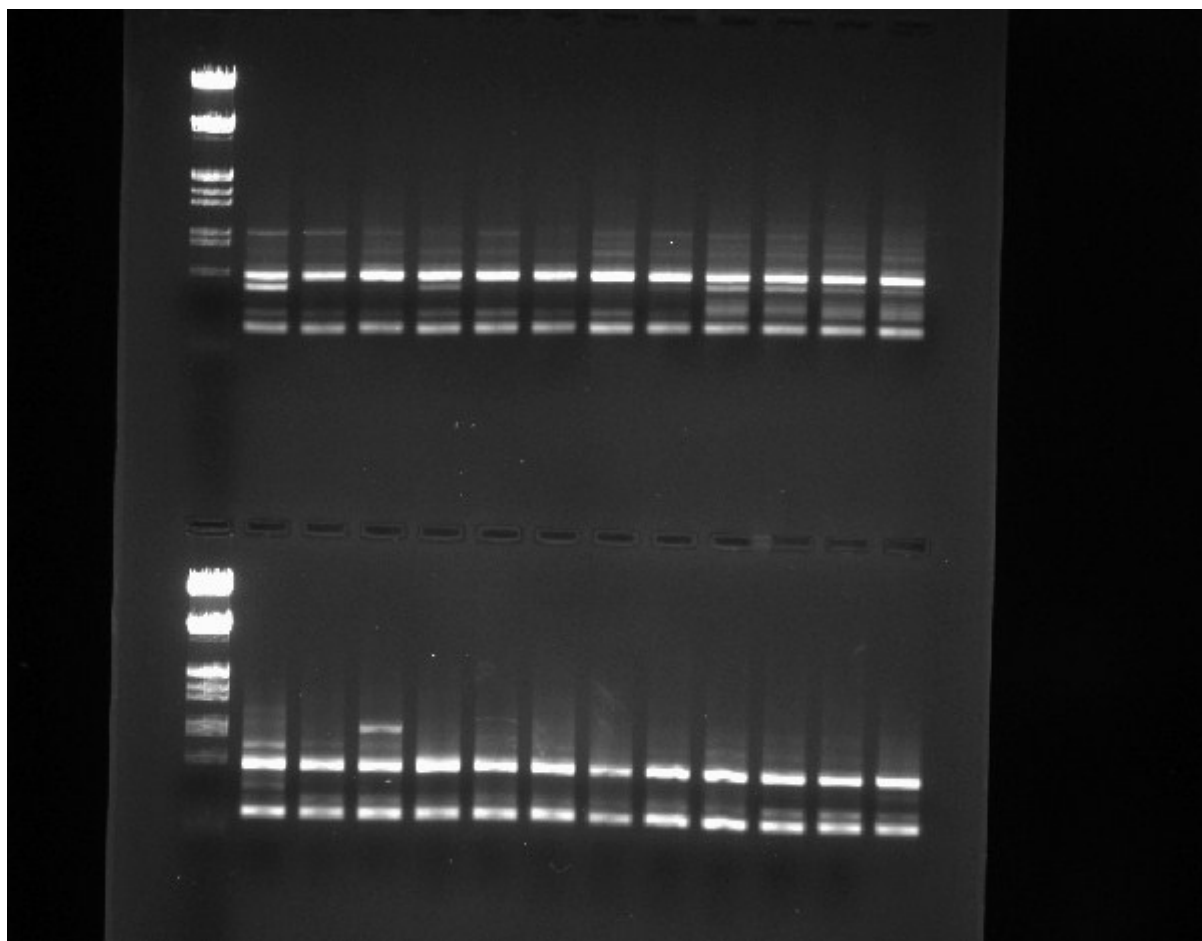


NBC-24

Supplementary figure 2. Transverse sections of roots of different *Coleus forskohlii* germplasms.
(Abbreviations: ck-cork, ct-cortex, st-starch cells, vb- vascular bundles,v-vessel, tn: tannin, ph-phloem, xy: xylem, hy: hypodermis.



Supplimentary figure 3: Surface morphology of trichomes present on leaves of *C. forskohlii*, shows the presence of glandular and non glandular trichomes (gt: glandular trichome, ngt: non glandular trichome).



Supplimentary figure 4. Full-length gel (upper half) representing ISSR patterns of *Coleus forskohlii* generated by primer UBC 848 and presented as Figure 3 in the main text. First well in the upper half is double-digested λ DNA (EcoRI and HindIII) DNA ladder and wells 2–13 represent different *Coleus forskohlii* genotypes as listed in Table 1.