

Supplementary Table 3: Details of *Cymbopogon* species and their cultivars used in the study.

Cultivar	<i>Cymbopogon</i> species	Major oil Constituents	Collection place
Tripta	<i>C. martinii</i>	Geraniol	CIMAP, Lucknow
PRC-1	"	"	CIMAP, Lucknow
Trishna	"	"	CIMAP, Lucknow
Dhanwantari Acc-01	"	"	NBPGR, Cuttack
Dhanwantari Acc-02	"	"	NBPGR, Cuttack
Manjusha	<i>C. winterianus</i>	Citronellal, Citranellol	CIMAP, Lucknow
CIM Jeeva	"	"	CIMAP, Lucknow
Nima	<i>C. flexuosus</i>	Citral	CIMAP, Lucknow
Pragati	"	"	CIMAP, Lucknow
OD-19	"	"	B.N.Mahavidyalaya,W.B

Supplementary Table 4: Sequences of oligonucleotide adapters and primers used in AFLP analysis.

Name	Code	Sequence
<i>EcoRI</i> adapter		5'-AAT TGG TAC GCA GTC TAC-3' 3'-CC ATG CGT CAG ATG CTC-5'
<i>MseI</i> adapter		5'-TAC TCA GGA CTC AT-3' 3'-G AGT CCT GAG TAG GAG-5'
<i>EcoRI</i> primer	E-00	5'-GTA GAC TGC GTA CCA ATT C-3'
<i>MseI</i> primer	M-00	5'-GAT GAG TCC TGA GTA A-3'
<i>EcoRI</i> + 3- ACA	E- ACA	5'-GTA GAC TGC GTA CCA ATT C ACA -3'
<i>EcoRI</i> + 3- AGG	E- AGG	5'-GTA GAC TGC GTA CCA ATT C AGG -3'
<i>EcoRI</i> + 3- ACC	E- ACC	5'-GTA GAC TGC GTA CCA ATT C ACC -3'
<i>EcoRI</i> + 3- AGC	E- AGC	5'-GTA GAC TGC GTA CCA ATT C AGC -3'
<i>EcoRI</i> + 3- AAC	E- AAC	5'-GTA GAC TGC GTA CCA ATT C AAC -3'
<i>EcoRI</i> + 3- ACT	E- ACT	5'-GTA GAC TGC GTA CCA ATT C ACT -3'
<i>MseI</i> + 3- CAT	M- CAT	5'-GAT GAG TCC TGA GTA A CAT -3'
<i>MseI</i> + 3- CTG	M- CTG	5'-GAT GAG TCC TGA GTA A CTG -3'
<i>MseI</i> + 3- CAA	M- CAA	5'-GAT GAG TCC TGA GTA A CAA -3'
<i>MseI</i> + 3- CTA	M- CTA	5'-GAT GAG TCC TGA GTA A CTA -3'
<i>MseI</i> + 3-CTT	M-CTT	5'-GAT GAG TCC TGA GTA A CTT-3'
<i>MseI</i> + 3- CTC	M- CTC	5'-GAT GAG TCC TGA GTA A CTC -3'

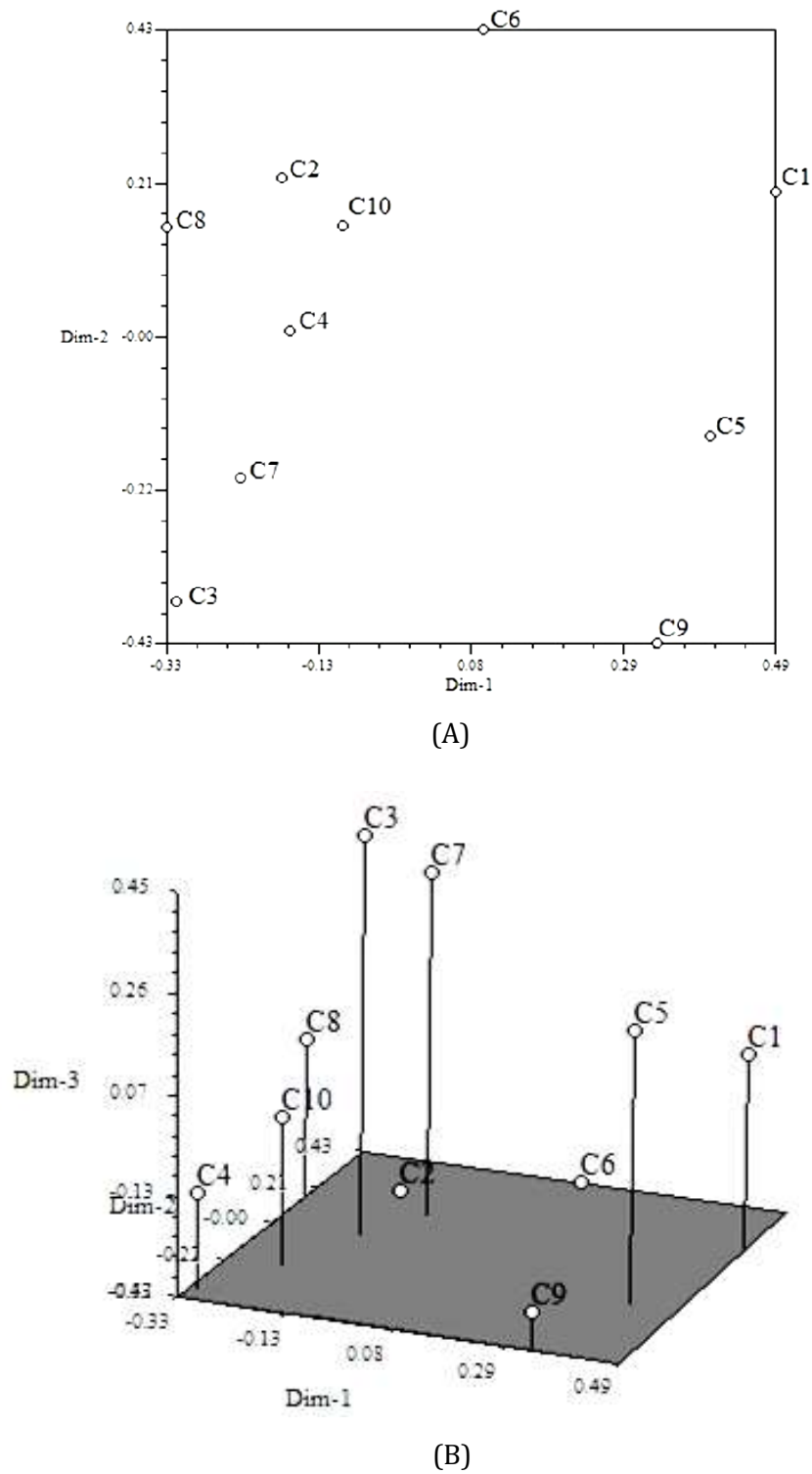
Supplementary Table 1: Distribution of amplified fragments in *Cymbopogon* sp.*

Parameters	Values
Total number of primer pair screened	8
Total number of loci scored	94
Total number of polymorphic loci	72
Size of amplified bands	100bp -3500bp
Average number of polymorphic loci per primer pair	9
Percentage of polymorphic loci	76.60
*Data pooled from studies on 10 cultivars of <i>Cymbopogon</i> sp.	

Supplementary Table 2: Jaccard's similarity matrix of the cultivars of *Cymbopogon* species

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
C1	1.000									
C2	0.538	1.000								
C3	0.550	0.529	1.000							
C4	0.402	0.598	0.650	1.000						
C5	0.696	0.500	0.608	0.488	1.000					
C6	0.603	0.542	0.506	0.420	0.436	1.000				
C7	0.600	0.613	0.831	0.580	0.557	0.575	1.000			
C8	0.463	0.720	0.667	0.630	0.538	0.530	0.615	1.000		
C9	0.554	0.494	0.471	0.618	0.616	0.467	0.494	0.407	1.000	
C10	0.530	0.629	0.671	0.776	0.548	0.515	0.642	0.622	0.542	1.000

C1: OD-19, C2: Dhanwantari Acc- 01, C3: Manjusha, C4: Trishna, C5: Pragati, C6: Tripta, C7: CIM Jeeva, C8: Dhanwantari Acc- 02; C9: Nima, C10: PRC-1.



Supplementary Fig. 1: AFLP marker-based (a) 2D and (b) 3D principal coordinate analysis (PCA) of cultivars of *Cymbopogon*. C1: OD-19, C2: Dhanwantari Acc- 01, C3: Manjusha, C4: Trishna, C5: Pragati, C6: Tripta, C7: CIM Jeeva, C8: Dhanwantari Acc- 02; C9: Nima, C10: PRC-1.