Supplementary information

Table S1: Primer pairs used in the study

Primer	Forward sequence (5'->3')	Reverse sequence (5'->3')
trnH-psbA	ACTGCCTTGATCCACTTGGC	CGAAGCTCCATCTACAAATGG
rpl20-rps12	TTTGTTCTACGTCTCCGAGC	GTCGAGGAACATGTACTAGG
SjITS	TCCTGCCTAGCAGAATGACC	GCTTAAACTCAGCGGGTAGC
SjETS	TGTTGCTCCACGAATGAACG	TGCATGGCTTAATCTTTGAGAC

Table S2 - The details of the prior distributions of demographic parameters (n_1 and n_2 are effective population size at time t=0, n_{1a} and n_{2a} are effective population sizes at time t2 and t3 before present, and t1 time before present the two populations diverged from each other).

Parameters	priors
n_1	$10 - 10^7$
n_2	$10 - 10^7$
n_{1a}	$10 - 10^6$
n_{2a}	$10 - 10^6$
t_1	$10 - 10^4$
t_2	$10 - 10^4$
t_3	$10 - 5X10^4$

Table S3a-b: Genbank accession numbers of the individuals included in the current study: a) nuclear DNA, b) chloroplast DNA

a)

Individual ID	SjITS	SjETS
STAR1	KY607771	KY613806
STAR4	KY607772	KY613807
STAR6	KY607773	KY613808
STAR10	KY607774	KY613809
STAR11	KY607775	KY613810
STAR11_2	KY607776	KY613811
STDUG1	KY607777	KY613812
STDUG1_2	KY607778	KY613813
STDUG3	KY607779	KY613814
STDUG4	KY607780	KY613815
STG1	KY607781	KY613816
STG2	KY607782	KY613817
STG2_2	KY607783	KY613818
STG5	KY607784	KY613819
STG6	KY607785	KY613820
STHS1	KY607786	KY613821
STHS1_2	KY607787	KY613822
STJ2	KY607788	KY613823
STJ2_2	KY607789	KY613824
STJ3	KY607790	KY613825
STJ4	KY607791	KY613826
STKAT1	KY607792	KY613827
STKAT1_2	KY607793	KY613828
STKAT2	KY607794	KY613829
STKAT3	KY607795	KY613830
STKAT6	KY607796	KY613831
STKAT7	KY607797	KY613832

STMA2	KY607798	KY613833
STMA2_2	KY607799	KY613834
STMA4	KY607800	KY613835
STMA8	KY607801	KY613836
STMA17	KY607802	KY613837
STMA17_2	KY607803	KY613838
STMA18	KY607804	KY613839
STMA19	KY607805	KY613840
STMA20	KY607806	KY613841
STMA20_2	KY607807	KY613842
STMA22	KY607808	KY613843
STMA22_2	KY607809	KY613844
STMU2	KY607810	KY613845
STT1	KY607811	KY613846
STT1_2	KY607812	KY613847
STT2	KY607813	KY613848
STT25s	KY607814	KY613849
STT67s	KY607815	KY613850
STAND125	KY607816	KY613851
STAND129	KY607817	KY613852
STAND129_2	KY607818	KY613853
STAND130	KY607819	KY613854
STAND130_2	KY607820	KY613855
STAND131	KY607821	KY613856
STAND133	KY607822	KY613857
STAND135	KY607823	KY613858
STAND136	KY607824	KY613859
STAND136_2	KY607825	KY613860
STAND137	KY607826	KY613861
STAND137_2	KY607827	KY613862
STAND138	KY607828	KY613863

STAND138_2	KY607829	KY613864
STCoo1	KY607830	KY613865
STCoo1_2	KY607831	KY613866
STDK1	KY607832	KY613867
STDK1_2	KY607833	KY613868
STKK1	KY607834	KY613869
STKK2	KY607835	KY613870
STKK13	KY607836	KY613871
STKK17	KY607837	KY613872
STKK20	KY607838	KY613873
STKK39	KY607839	KY613874
STKK40	KY607840	KY613875
STKK44	KY607841	KY613876
STKK48	KY607842	KY613877
STKK54	KY607843	KY613878
STKK56	KY607844	KY613879
STKK56_2	KY607845	KY613880
STKK57	KY607846	KY613881
STKV1S	KY607847	KY613882
STKV1S_2	KY607848	KY613883
STOMS4s	KY607849	KY613884
STOMS4s_2	KY607850	KY613885
STOMN8s	KY607851	KY613886
STOMN8s_2	KY607852	KY613887
STOMN12s	KY607853	KY613888
STOMN12s_2	KY607854	KY613889
STOMN15s	KY607855	KY613890
STOMN15s_2	KY607856	KY613891
STOMS3s	KY607857	KY613892
STOMS3s_2	KY607858	KY613893
STOMS5s_1	KY607859	KY613894

STOMS5s_2	KY607860	KY613895
STOMS9	KY607861	KY613896
STOMS10s_1	KY607862	KY613897
STOMS10s_2	KY607863	KY613898
STPAL205	KY607864	KY613899
STPAL207	KY607865	KY613900
STPAL208	KY607866	KY613901
STPC2s	KY607867	KY613902
STPC2S_2	KY607868	KY613903
STPC2s_1	KY607869	KY613904
STPC2s_2	KY607870	KY613905
STPC5s	KY607871	KY613906
STPC5s_2	KY607872	KY613907
STPM7s_1	KY607873	KY613908
STPM7s_2	KY607874	KY613909
STPM9s_1	KY607875	KY613910
STPM9s_2	KY607876	KY613911
STTM1	KY607877	KY613912
STTM1_2	KY607878	KY613913
STTM2_1	KY607879	KY613914
STTM2_2	KY607880	KY613915
STTM3	KY607881	KY613916
STTM4	KY607882	KY613917

b)

	rpl20-rps12	*trnH-psbA*
STAR1	KY646324	KY626199
STAR3	KY646325	KY626200
STAr4	KY646326	KY626201
STAr6	KY646327	KY626202

STAR10	KY646328	KY626203
STAR11	KY646329	KY626204
STDUG1	KY646330	KY626205
STDUG3	KY646331	KY626206
STDug4	KY646332	KY626207
STG1	KY646333	KY626208
STG2	KY646334	KY626209
STG5	KY646335	KY626210
STG6	KY646336	KY626211
STHa11	KY646337	KY626212
STHS1	KY646338	KY626213
STJ2	KY646339	KY626214
STJ4	KY646340	KY626215
STKAT1	KY646341	KY626216
STKAT2	KY646342	KY626217
STKAT3	KY646343	KY626218
STKAT6	KY646344	KY626219
STKAT7	KY646345	KY626220
STMA1	KY646346	KY626221
STMA2	KY646347	KY626222
STMA3	KY646348	KY626223
STMA8	KY646349	KY626224
STMA14	KY646350	KY626225
STMA17	KY646351	KY626226
STMA18	KY646352	KY626227
STMA19	KY646353	KY626228
STMA20	KY646354	KY626229
STMA22	KY646355	KY626230
STMA30	KY646356	KY626231
STMA31	KY646357	KY626232
STMU1	KY646358	KY626233
STMU2	KY646359	KY626234

STT1	KY646360	KY626235
STT2	KY646361	KY626236
STT25s	KY646362	KY626237
STT67s	KY646363	KY626238
STT68s	KY646364	KY626239
STCoo1	KY646365	KY626240
STDK1	KY646366	KY626241
STAND125	KY646367	KY626242
STAND129	KY646368	KY626243
STAND130	KY646369	KY626244
STAND131	KY646370	KY626245
STAND133	KY646371	KY626246
STAND135	KY646372	KY626247
STAND136	KY646373	KY626248
STAND137	KY646374	KY626249
STAND138	KY646375	KY626250
STKK1	KY646376	KY626251
STKK2	KY646377	KY626252
STKK17	KY646378	KY626253
STKK20	KY646379	KY626254
STKK39	KY646380	KY626255
STKK40	KY646381	KY626256
STKK44	KY646382	KY626257
STKK48	KY646383	KY626258
STKK56	KY646384	KY626259
STKK57	KY646385	KY626260
STKK58	KY646386	KY626261
STMK1	KY646387	KY626262
STKV1s	KY646388	KY626263
STOMN1s	KY646389	KY626264
STOMN3s	KY646390	KY626265
STOMN4s	KY646391	KY626266

STOMN8s	KY646392	KY626267
STOMN11s	KY646393	KY626268
STOMN12s	KY646394	KY626269
STOMN14s	KY646395	KY626270
STOMN15s	KY646396	KY626271
STOMS3s	KY646397	KY626272
STOMS4s	KY646398	KY626273
STOMS5s	KY646399	KY626274
STOMS7s	KY646400	KY626275
STOMS9s	KY646401	KY626276
STOMS10s	KY646402	KY626277
STPAL205-1	KY646403	KY626278
STPAL205	KY646404	KY626279
STPAL207	KY646405	KY626280
STPAL208	KY646406	KY626281
STPC1s	KY646407	KY626282
STPC2s	KY646408	KY626283
STPC3s	KY646409	KY626284
STPC4s	KY646410	KY626285
STPC5s	KY646411	KY626286
STPC6s	KY646412	KY626287
STPC7s	KY646413	KY626288
STPM7s	KY646414	KY626289
STPM9s	KY646415	KY626290
STPM10S	KY646416	KY626291
STPM11s	KY646417	KY626292
STTM1s	KY646418	KY626293
STTM2s	KY646419	KY626294
STTM3s	KY646420	KY626295
STTM4s	KY646421	KY626296
STAM6	KY646422	KY626297

Table S4: Population Pairwise Fst of nuclear data [Goa (G), Uttar Kanada (UK), Thirthalli (TH), Dakshin Kanada and North Kerala (DK-NK),Central Kerala (CK), and Southern Kerala (SK)]

	G	UK	TH	DK-NK	CK	SK
G	-					
UK	-0.04267	-				
TH	-0.13636	0.00572	-			
DK-NK	0.00022	0.05181*	0.06402	-		
CK	0.05507	0.06520*	0.11583	0.01886	-	
SK	0.09245	0.15587*	0.11724	0.11232*	0.08769	-

* significant at $P<0.05$

Table S5 - Results of Analysis of Molecular Variance (AMOVA, cpDNA) of *Syzygium travancoricum*

Source of variation	d.f.	Sum of squares	Variance components	Percentage of variation
Among populations	1	24.073	0.47950	41.89
Within populations	96	63.866	0.66527	58.11
Total	97	87.939	1.14477	

Fixation Index F_{ST} : 0.41886

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significant at P = 0.00000

Figure S1 (a–b): Mismatch distributions based on nuclear and chloroplast sequences.