Supplemental Table 1. Matrix of genetic similarity among 32 *Stephania rotunda* Lour. accessions using ISSR markers calculated by Jaccard's similarity coefficient

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1.000															
2	0.833	1.000														
3	0.822	0.922	1.000													
4	0.811	0.822	0.789	1.000												
5	0.856	0.844	0.856	0.822	1.000											
6	0.733	0.700	0.667	0.722	0.744	1.000										
7	0.589	0.667	0.656	0.644	0.644	0.811	1.000									
8	0.589	0.600	0.544	0.556	0.556	0.744	0.756	1.000								
9	0.611	0.711	0.656	0.689	0.667	0.833	0.867	0.822	1.000							
10	0.589	0.667	0.633	0.644	0.622	0.744	0.800	0.733	0.867	1.000						
11	0.822	0.856	0.800	0.833	0.789	0.711	0.656	0.611	0.678	0.611	1.000					
12	0.789	0.800	0.767	0.800	0.778	0.678	0.622	0.600	0.644	0.600	0.856	1.000				
13	0.778	0.722	0.711	0.811	0.789	0.711	0.589	0.478	0.589	0.567	0.756	0.744	1.000			
14	0.678	0.733	0.722	0.756	0.756	0.611	0.622	0.556	0.644	0.667	0.789	0.733	0.700	1.000		
15	0.700	0.733	0.789	0.733	0.778	0.700	0.644	0.556	0.667	0.622	0.767	0.733	0.789	0.733	1.000	
16	0.700	0.756	0.722	0.756	0.756	0.700	0.689	0.667	0.733	0.667	0.767	0.733	0.767	0.778	0.822	1.000
17	0.789	0.800	0.833	0.822	0.800	0.722	0.689	0.622	0.711	0.689	0.811	0.756	0.744	0.778	0.822	0.844
18	0.733	0.833	0.756	0.833	0.789	0.711	0.611	0.589	0.722	0.656	0.822	0.744	0.711	0.767	0.744	0.811
19	0.789	0.822	0.767	0.800	0.800	0.678	0.644	0.511	0.622	0.622	0.811	0.800	0.789	0.778	0.733	0.800
20	0.744	0.844	0.767	0.800	0.778	0.744	0.667	0.644	0.778	0.689	0.811	0.756	0.722	0.756	0.778	0.844
21	0.722	0.778	0.767	0.756	0.733	0.700	0.644	0.578	0.667	0.622	0.767	0.733	0.700	0.733	0.733	0.800
22	0.700	0.778	0.722	0.822	0.756	0.678	0.644	0.622	0.733	0.689	0.767	0.733	0.700	0.733	0.733	0.844
23	0.700	0.778	0.767	0.778	0.756	0.700	0.711	0.578	0.711	0.667	0.789	0.756	0.744	0.733	0.822	0.867
24	0.767	0.778	0.744	0.756	0.733	0.744	0.667	0.600	0.711	0.667	0.722	0.689	0.678	0.622	0.689	0.711
25	0.622	0.722	0.667	0.722	0.656	0.644	0.633	0.589	0.700	0.700	0.667	0.722	0.689	0.656	0.700	0.767
26	0.611	0.711	0.656	0.711	0.667	0.633	0.622	0.600	0.689	0.667	0.656	0.644	0.656	0.644	0.689	0.778
27	0.811	0.756	0.722	0.733	0.733	0.722	0.622	0.600	0.689	0.689	0.744	0.711	0.700	0.644	0.689	0.689
28	0.722	0.778	0.744	0.800	0.756	0.656	0.644	0.578	0.667	0.667	0.767	0.733	0.722	0.756	0.778	0.822
29	0.700	0.778	0.722	0.756	0.733	0.656	0.644	0.533	0.667	0.644	0.767	0.733	0.700	0.756	0.733	0.822
30	0.744	0.822	0.767	0.800	0.778	0.700	0.689	0.578	0.711	0.667	0.811	0.756	0.744	0.800	0.778	0.867
31	0.733	0.744	0,756	0,789	0,789	0,667	0,633	0,544	0,656	0,611	0,756	0,744	0,733	0,767	0,789	0,833
32	0.656	0.667	0,656	0,667	0,600	0,567	0,511	0,533	0,622	0,578	0,656	0,600	0,567	0,578	0,644	0,667

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17	1.000															
18	0.833	1.000														
19	0.822	0.856	1.000													
20	0.867	0.944	0.844	1.000												
21	0.844	0.878	0.844	0.889	1.000											
22	0.844	0.922	0.822	0.889	0.844	1.000										
23	0.867	0.856	0.867	0.889	0.867	0.889	1.000									
24	0.711	0.767	0.711	0.778	0.733	0.778	0.756	1.000								
25	0.722	0.778	0.767	0.789	0.767	0.811	0.833	0.700	1.000							
26	0.733	0.789	0.733	0.800	0.778	0.822	0.822	0.711	0.900	1.000						
27	0.756	0.789	0.778	0.800	0.733	0.778	0.733	0.778	0.656	0.667	1.000					
28	0.867	0.833	0.800	0.867	0.800	0.822	0.844	0.711	0.744	0.756	0.778	1.000				
29	0.822	0.833	0.822	0.867	0.844	0.844	0.867	0.756	0.744	0.733	0.778	0.889	1.000			
30	0.867	0.878	0.844	0.911	0.844	0.867	0.889	0.778	0.744	0.733	0.800	0.933	0.956	1.000		
31	0.878	0.844	0.856	0.833	0.833	0.878	0.878	0.722	0.711	0.722	0.789	0.856	0.878	0.900	1.000	
32	0.733	0.700	0.644	0.733	0.644	0.733	0.689	0.689	0.611	0.600	0.711	0.733	0.711	0.733	0.744	1.000

Supplemental Table 2. Matrix of genetic similarity among 32 *Stephania rotunda* Lour. accessions using ISSR markers calculated by Jaccard's similarity coefficient

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1.000															
2	0.792	1.000														
3	0.819	0.917	1.000													
4	0.792	0.889	0.889	1.000												

5	0.861	0.875	0.847	0.847	1.000											
6	0.639	0.736	0.736	0.708	0.750	1.000										
7	0.694	0.819	0.792	0.819	0.778	0.833	1.000									
8	0.653	0.778	0.750	0.750	0.736	0.875	0.875	1.000								
9	0.653	0.778	0.778	0.750	0.736	0.875	0.903	0.917	1.000							
10	0.667	0.764	0.736	0.764	0.750	0.833	0.917	0.903	0.903	1.000						
11	0.778	0.792	0.764	0.792	0.833	0.639	0.694	0.653	0.653	0.694	1.000					
12	0.764	0.750	0.750	0.778	0.764	0.597	0.625	0.611	0.583	0.653	0.903	1.000				
13	0.764	0.861	0.806	0.889	0.847	0.736	0.819	0.722	0.750	0.792	0.792	0.750	1.000			
14	0.764	0.833	0.833	0.833	0.875	0.736	0.792	0.778	0.750	0.792	0.792	0.778	0.861	1.000		
15	0.778	0.847	0.875	0.819	0.833	0.694	0.806	0.736	0.736	0.750	0.778	0.736	0.792	0.847	1.000	
16	0.806	0.875	0.903	0.903	0.917	0.750	0.778	0.736	0.764	0.750	0.833	0.764	0.847	0.903	0.861	1.000
17	0.792	0.861	0.917	0.889	0.847	0.764	0.792	0.778	0.806	0.764	0.792	0.722	0.806	0.806	0.819	0.875
18	0.750	0.847	0.875	0.903	0.778	0.750	0.806	0.792	0.792	0.750	0.722	0.708	0.847	0.847	0.833	0.833
19	0.778	0.847	0.847	0.819	0.806	0.778	0.806	0.764	0.792	0.750	0.694	0.681	0.847	0.792	0.861	0.806
20	0.792	0.917	0.917	0.861	0.819	0.736	0.819	0.778	0.778	0.764	0.764	0.722	0.833	0.861	0.903	0.847
21	0.806	0.819	0.819	0.819	0.861	0.722	0.750	0.792	0.764	0.750	0.750	0.708	0.792	0.875	0.833	0.833
22	0.778	0.875	0.875	0.847	0.833	0.778	0.806	0.819	0.847	0.806	0.722	0.681	0.792	0.792	0.833	0.861
23	0.750	0.819	0.819	0.847	0.833	0.722	0.806	0.764	0.736	0.750	0.778	0.736	0.819	0.903	0.861	0.861
24	0.681	0.833	0.806	0.778	0.736	0.792	0.792	0.806	0.778	0.792	0.625	0.611	0.750	0.778	0.792	0.764
25	0.611	0.764	0.708	0.708	0.667	0.722	0.778	0.792	0.736	0.750	0.639	0.625	0.708	0.708	0.722	0.667
26	0.708	0.750	0.778	0.722	0.681	0.708	0.736	0.778	0.722	0.736	0.653	0.667	0.694	0.778	0.736	0.708
27	0.806	0.819	0.764	0.792	0.778	0.722	0.722	0.792	0.736	0.750	0.694	0.708	0.792	0.792	0.694	0.750
28	0.750	0.903	0.875	0.903	0.861	0.778	0.861	0.847	0.819	0.806	0.750	0.708	0.875	0.903	0.833	0.861
29	0.722	0.875	0.847	0.875	0.833	0.778	0.833	0.819	0.792	0.778	0.722	0.708	0.847	0.875	0.833	0.833
30	0.750	0.875	0.875	0.875	0.833	0.750	0.833	0.819	0.792	0.778	0.722	0.708	0.819	0.875	0.806	0.833
31	0.750	0.903	0.903	0.847	0.806	0.778	0.833	0.819	0.819	0.806	0.722	0.681	0.819	0.847	0.806	0.833
32	0.708	0.806	0.750	0.694	0.764	0.708	0.736	0.750	0.750	0.736	0.708	0.639	0.750	0.722	0.736	0.736

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
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17	1.000															
18	0.903	1.000														
19	0.847	0.889	1.000													
20	0.861	0.931	0.875	1.000												
21	0.847	0.861	0.806	0.847	1.000											
22	0.903	0.861	0.917	0.847	0.861	1.000										
23	0.819	0.917	0.806	0.903	0.833	0.778	1.000									
24	0.778	0.819	0.819	0.861	0.819	0.819	0.792	1.000								
25	0.681	0.750	0.722	0.764	0.750	0.722	0.722	0.792	1.000							
26	0.722	0.764	0.764	0.778	0.792	0.764	0.708	0.806	0.819	1.000						
27	0.764	0.806	0.750	0.792	0.861	0.778	0.750	0.819	0.750	0.819	1.000					
28	0.875	0.917	0.833	0.903	0.889	0.833	0.889	0.847	0.806	0.792	0.833	1.000				
29	0.847	0.889	0.833	0.875	0.861	0.806	0.861	0.847	0.778	0.792	0.806	0.972	1.000			
30	0.875	0.889	0.833	0.875	0.861	0.833	0.833	0.819	0.778	0.819	0.806	0.944	0.944	1.000		
31	0.875	0.861	0.833	0.903	0.833	0.861	0.806	0.875	0.750	0.819	0.833	0.917	0.889	0.889	1.000	
32	0.722	0.708	0.764	0.778	0.736	0.792	0.708	0.778	0.736	0.722	0.764	0.764	0.736	0.708	0.819	1.000

Supplemental Table 3. Matrix of genetic similarity among 32 *Stephania rotunda* Lour. accessions using combined RAPD and ISSR markers calculated by Jaccard's similarity coefficient

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1.000															
2	0.815	1.000														
3	0.821	0.920	1.000													
4	0.802	0.852	0.833	1.000												
5	0.858	0.858	0.852	0.833	1.000											
6	0.691	0.716	0.698	0.716	0.747	1.000										
7	0.636	0.735	0.716	0.722	0.704	0.821	1.000									
8	0.617	0.679	0.636	0.642	0.636	0.802	0.809	1.000								
9	0.630	0.741	0.710	0.716	0.698	0852	0.883	0.864	1.000							
10	0.623	0.710	0.679	0.698	0.679	0.784	0.852	0.809	0.883	1.000						

11	0.802	0.827	0.784	0.815	0.809	0.679	0.673	0.630	0.667	0.648	1.000					
12	0.778	0.778	0.759	0.790	0.772	0.642	0.623	0.605	0.617	0.623	0.877	1.000				
13	0.772	0.784	0.753	0.846	0.815	0.722	0.691	0.586	0.660	0.667	0.772	0.747	1.000			
14	0.716	0.778	0.772	0.790	0.809	0.667	0.698	0.654	0.691	0.722	0.790	0.753	0.772	1.000		
15	0.735	0.784	0.827	0.772	0.802	0.698	0.716	0.636	0.698	0.679	0.772	0.735	0.790	0.784	1.000	
16	0.747	0.809	0.802	0.821	0.827	0.722	0.728	0.698	0.747	0.704	0.796	0.747	0.802	0.833	0.840	1.000
17	0.790	0.827	0.870	0.852	0.821	0.741	0.735	0.691	0.753	0.722	0.802	0.741	0.772	0.790	0.821	0.858
18	0.741	0.840	0.809	0.864	0.784	0.728	0.698	0.679	0.753	0.698	0.778	0.728	0.772	0.802	0.784	0.821
19	0.784	0.833	0.802	0.809	0.802	0.722	0.716	0.623	0.698	0.679	0.759	0.747	0.815	0.784	0.790	0.802
20	0.765	0.877	0.833	0.827	0.796	0.741	0.735	0.704	0.778	0.722	0.790	0.741	0.772	0.802	0.833	0.846
21	0.759	0.796	0.790	0.784	0.790	0.710	0.691	0.673	0.710	0.679	0.759	0.722	0.741	0.796	0.778	0.815
22	0.735	0.821	0.790	0.833	0.790	0.722	0.716	0.710	0.784	0.741	0.747	0.710	0.741	0.759	0.778	0.852
23	0.722	0.796	0.790	0.809	0.790	0.710	0.753	0.660	0.722	0.704	0.784	0.747	0.778	0.809	0.840	0.864
24	0.728	0.802	0.772	0.765	0.735	0.765	0.722	0.691	0.741	0.722	0.679	0.654	0.710	0.691	0.735	0.735
25	0.617	0.741	0.685	0.716	0.660	0.679	0.698	0.679	0.716	0.722	0.654	0.679	0.698	0.679	0.710	0.722
26	0.654	0.728	0.710	0.716	0.673	0.667	0.673	0.679	0.704	0.698	0.654	0.654	0.673	0.704	0.710	0.747
27	0.809	0.784	0.741	0.759	0.753	0.722	0.667	0.685	0.710	0.716	0.722	0.710	0.741	0.710	0.691	0.716
28	0.735	0.833	0.802	0.846	0.802	0.710	0.741	0.698	0.735	0.728	0.759	0.722	0.790	0.821	0.802	0.840
29	0.710	0.821	0.778	0.809	0.778	0.710	0.728	0.660	0.722	0.704	0.747	0.722	0.765	0.809	0.778	0.827
30	0.747	0.846	0.815	0.833	0.802	0.722	0.753	0.685	0.747	0.716	0.772	0.735	0.778	0.833	0.790	0.852
31	0.741	0.815	0.821	0.815	0.796	0.716	0.722	0667	0.728	0.698	0.741	0.716	0.772	0.802	0.796	0.833
32	0.679	0.728	0.698	0.679	0.673	0.630	0.611	0.630	0.679	0.648	0.679	0.617	0.648	0.642	0.685	0.698

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16																
17	1.000															
18	0.864	1.000														
19	0.833	0.870	1.000													
20	0.864	0.938	0.858	1.000												
21	0.846	0.870	0.827	0.870	1.000											
22	0.870	0.895	0.864	0.870	0.852	1.000										
23	0.846	0.883	0.840	0.895	0.852	0.840	1.000									
24	0.741	0.790	0.759	0.815	0.772	0.796	0.772	1.000								
25	0.704	0.765	0.747	0.778	0.759	0.772	0.784	0.741	1.000							
26	0.728	0.778	0.747	0.790	0.784	0.796	0.772	0.753	0.864	1.000						
27	0.759	0.796	0.765	0.796	0.790	0.778	0.741	0.796	0.698	0.735	1.000					
28	0.870	0.870	0.815	0.883	0.840	0.827	0.864	0.772	0.772	0.772	0.802	1.000				
29	0.833	0.858	0.827	0.870	0.852	0.827	0.864	0.796	0.759	0.759	0.790	0.926	1.000			
30	0.870	0.883	0.840	0.895	0.852	0.852	0.864	0.796	0.759	0.772	0.802	0.938	0.951	1.000		
31	0.877	0.852	0.846	0.864	0.833	0.870	0.846	0.790	0.728	0.765	0.809	0.883	0.883	0.895	1.000	
32	0.728	0.704	0.698	0.753	0.685	0.759	0.698	0.728	0.667	0.654	0.735	0.747	0.722	0.722	0.778	1.000