

Table S1: Morphological, anatomical, and chemical characters used for principal coordinate analysis.

	Characters	<i>F. turcica</i>	<i>F. latialata</i>	<i>F. szowitsiana</i>	<i>F. persica</i>	<i>F.drudeana</i>
1	Stem, less than 70cm (0); more than 70 (1)	1	1	0	1	1
2	Ultimate segment of the leaf, Regular deeplobed (0); Regular lobed (1); linear-setaceous (2).	0	1	1	0	2
3	Hair, densely puberulent (0); puberulent (1); setulose-puberulent (2); pubescent (3).	0	1	2	3	1
4	Ray numbers, less than 13 (0); 13-15 (1); more than 15 (2).	2	1	0	2	2
5	Umbellules numbers, less than 12 (0); more than 12(1).	0	0	0	1	1
6	Pedicele at fruiting, 0.3-0.5 cm (0); 0.5-1.4 cm (1).	1	1	0	?	1
7	Petals, glabrous (0); hairy (1).	1	1	1	1	0
8	Central umbella, sessile (0); peduncled (1); sessile or peduncled (0,1).	1	1	0,1	0	1
9	Shape of fruit, elliptic (0); elliptic to oblong (1); elliptic to orbicular (2); ovoid (3).	0	0	1	1	1
10	Lateral wings, 0.5-1 mm (0); 1- 2mm (0); more than 2mm (2).	1	2	2	0	0
11	Dorsal vittae per vallecule, 2-3 (0); 3-6 (1); up to 7 (3).	2	1	1	2	0
12	Commisural vittae number, less than 14 (0); more than 14 (1).	0	0	0	1	0
13	Width of fruit average, less than 10mm (0); more than 10mm (1).	0	1	1	0	0
14	Length of fruit average, less than 12mm (0); more than 12mm (1).	0	1	1	0	0
15	Ratio of length to width of fruit, 1.4 (0); 1.6 (1); 1.8 (2); 2.4 (3)	1	0	0	2	3
16	Habitat, salty slopes (0); dry slopes (1); eroded slopes (2); dry slopes and salty slopes (0,1).	0	0	0,1	1	2
17	Farnesiferol A, absence (0); presence (1).	1	0	0	0	0
18	Badrakemin acetate, absence (0); presence (1).	1	1	0	0	1
19	Conferol, absence (0); presence (1).	0	1	0	1	1
20	Kellerin, absence (0); presence (1).	1	0	1	0	0
21	Gummosin, absence (0); presence (1).	1	0	1	1	0

Axis	Eigenvalue	Percent
1	0,30824	47,856
2	0,18367	28,515
3	0,12544	19,475
4	2,1397E-17	3,322E-15

	Coord 1	Coord 2	Coord 3	Coord 4
<i>Ferula turcica</i>	-0,034349	0,060921	-0,8818	0,44721
<i>Ferula latialata</i>	-0,24991	0,57414	0,18453	0,44721
<i>Ferula szowitsiana</i>	-0,67735	-0,31275	0,29127	0,44721
<i>Ferula persica</i>	0,39357	-0,66953	0,10043	0,44721
<i>Ferula drudeana</i>	0,56804	0,34723	0,3056	0,44721

5	-0,026759	-4,1545
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