

4. Section *Spiranthera* Vved. ex Zonn. & Veldk.

Fl. URSS 4: 351 (1934).

Type: *Tulipa kaufmanniana* Regel

1. Plants widespread in Western Tien Shan; flowers red, orange, yellow, white or motley, without brown central blotch.....2
- Plants grow only in western spurs of Hissar Range; flowers orange-red, with a dark brown, widely yellow-margined blotch.....4. ***T. uzbekistanica***
2. Plants of relatively stocky habit (sometimes with almost sessile flowers); leaves curled or undulate, exceeding the flower; anthers almost equal in length with filaments or up to 1.5 times longer, not becoming strongly incurved or twisted; filaments rather thick.....3. ***T. dubia***
- Relatively tall plants; leaves not curled or slightly undulate, anthers 2–4 times longer than filaments.....3
3. Anthers becoming strongly incurved or twisted; filaments yellow, dilated at the base; leaves usually more or less scattered, glabrous, usually not exceeding the flower; widespread in various habitats on all ranges of Western Tien Shan1. ***T. kaufmanniana***
- Anthers not becoming strongly incurved or twisted; filaments narrow, slightly dilated at the base, yellow with brown apex; leaves relatively approximate, falcately deflected, grooved, more or less pubescent, at the early stages of flowering often exceeding the flower; grows on stony-gravelly slopes of Chatkal and Karzhantau ranges2. ***T. tschimganica***