A small key example

1. Leaves large	A. macrophyllum
1. Leaves small.	
2. Flowers large.	
3. Capsules large	A. macrospermum
3. Capsules small	$\dots \dots A.\ microspermum$
2. Flowers small	$\dots A. \ microflorum$
Key for Allium species in Flora of C	China
1. Leaves 1–3, linear to orbicular-ovate, base usually narrowed into a petiole; ovary a short stipe; ovules 1 per locule.	y base often constricted into
2. Leaf 1, long petiolate, ovate to broadly elliptic-ovate, base cordate	工籍叶山菊 A famabiifabiam
2. Leaves 2 or 3.	上省中山松 A. Junckiijoiium
3. Outer perianth segments narrower than inner ones.	
4. Base of leaf blade cuneate, decurrent	
4. Base of leaf blade rounded to cordate, not decurrent	对叶山葱 A. listera
3. Outer perianth segments as wide as or wider than inner ones.	
5. Scape shorter than leaves, $2-5$ cm, covered with leaf sheaths for $3/4-4/5$ it	
	短葶山葱 A. nanodes
5. Scape longer than leaves, 10–60 cm, covered with leaf sheaths only at base	
6. Leaves lanceolate-oblong to ovate-oblong, base rounded to cordate, petiol	
6. Leaves linear, linear-lanceolate, elliptic-lanceolate, elliptic-oblanceolate, base narrowed, petiole indistinct	
1. Leaves several, lorate or linear, cross section semiterete or terete, solid or fistulos	_
into a petiole; ovules 2 to several per locule; if leaf base narrowed into a petiole bulb tunic never distinctly reticulate.	,
7. Roots thick and fleshy, sometimes subtuberous; leaves with distinct midvein;	scane usually 2- or 3-angled
ovules 1 or 2 per locule.	scape usuany 2- or 5-angled,
8. Ovules 1 per locule (in A. omeiense a few ovaries in same umbel with 2 ovul	- /
9. Umbel laxly fascicled, few flowered; pedicels unequal; style much shorter	₹ / 0
9. Umbel hemispheric to globose, many flowered; pedicels equal; style equaling entire, punctiform.	or longer than ovary; stigma
10. Scape terminal	灌具韭 A. quanxianense
10. Scape lateral.	
11. Leaves lanceolate to linear-lanceolate, distinctly contracted at base; fil segments	
11. Leaves linear or lorate to lorate-oblanceolate, not contracted at base	
subequaling perianth segments.	c, mamento snorter than to
subequaning periantin segments.	

ments
12. Perianth segments 9–11 mm, connate at base into a tube ca. 1 mm; filaments ca. 1/2 as long as
perianth segments
8. Ovules 2 per locule.
13. Perianth yellow, segments united for ca. 1 mm at base
13. Perianth white, red, purple-red, or dark purple, segments free.
14. Filaments connate into a tube for 2/3-3/4 their length杯花韭 A. cyathophorum
14. Filaments connate only at base.
15. Perianth white, segments lanceolate, apex acuminate or irregularly 2-lobed
15. Perianth red, purple-red, or dark purple, rarely whitish, segments oblong, narrowly so, or ovate-oblong, apex retuse, truncate, or obtuse.
16. Perianth stellately spreading, reflexed after anthesis, inner and outer segments similar; pedicels straight
16. Perianth campanulate, not reflexed after anthesis, inner segments somewhat longer and narrower
than outer ones; pedicels nodding at apex
7. Roots thin; leaves without distinct midvein; scape terete or several angled; ovules 2 to several per locule.
17. Roots thin, leaves without distinct indivent, scape terete of several angled, ovides 2 to several per focuse. 17. Bulb usually solitary, globose, ovoid-globose, or ovoid (if cylindric to ovoid-cylindric, then leaves thick,
terete, and fistulose); rhizomes obscure.
18. Leaves usually thick, terete, fistulose, smooth.
19. Bulb flattened globose, globose, or ovoid-globose, rarely cylindric with thickened base; base of inner
filaments 1-toothed on each side (if entire, then scape often undeveloped).
20. Scape solid
20. Scape fistulose.
21. Scape developed; plants propagated by seeds or bulblets
21. Scape usually undeveloped; plants propagated by bulbs.
22. Bulb ovoid-globose to ovoid
22. Bulb narrowly ovoid or cylindric-ovoid
19. Bulb cylindric to ovoid-cylindric; filaments entire.
23. Filaments shorter than perianth segments, connate into a tube for 1/3-3/4 their length
23. Filaments shorter or longer than perianth segments, connate only at base.
24. Perianth pale red, pale purple, or purple-red.
25. Pedicels unequal, shorter than to nearly as long as perianth; filaments $1/3-1/2(-2/3)$ as long
as perianth segments
25. Pedicels subequal, $1.5-3 \times as$ long as perianth; filaments slightly shorter than to longer than
perianth segments.
26. Perianth rose pink or dark pink; filaments slightly shorter than to equaling perianth segments
26. Perianth pale purple; filaments longer than perianth segments 硬皮葱 A. ledebourianum
24. Perianth yellow to white.
27. Leaves and scape \pm thin, to 5 mm thick; perianth yellow or pale yellow 野葱 $A.$ chrysanthum

27. Leaves and scape robust, more than 5 mm thick; perianth white or yellowish white. 28. Bulb ovoid-cylindric, robust, tunic red-brown, thinly leathery; perianth yellowish white; 28. Bulb cylindric, tunic usually white, rarely light red-brown, membranous; perianth white; 18. Leaves slender, flat, triangular-flat, semiterete, or rarely terete, fistulose. 29. Ovules 4 or more per locule. 30. Perianth segments united into a tube proximally. 31. Scape (15-)20-50 cm; pedicels (4.5-)7-11 cm; perianth segments 7-10 mm; ovules (5 or)6(-8) per 31. Scape 15-30(-40) cm; pedicels 0.8-4(-7) cm; perianth segments 5-7(-8) mm; ovules (3 or)4 per locule, rarely 1 or 2 locules with 5 or 6 ovules. 30. Perianth segments free. 33. Filaments connate and adnate to perianth segments for 1/2-2/3 their length. 34. Leaves linear, 4-6(-8) mm wide; perianth cupular, segments broadly elliptic, $8-11 \times 4-4.5$ mm 34. Leaves broadly linear, (5-)10-25 mm wide; perianth narrowly campanulate, segments linear-33. Filaments connate and adnate to perianth segments only at base. 35. Leaves 1(or 2); perianth segments 6-6.5 mm, without strong midvein; ovary stipitate多籽蒜 A. fetisowii 35. Leaves (1 or)2 or 3; perianth segments 4.5-5.5 mm, with strong midvein; ovary sessile. 36. Perianth white or whitish lilac to lilac-pink. 37. Leaves 0.7-1.5 cm wide, apex acute新疆蒜 A. roborowskianum 29. Ovules 2 per locule. 38. Inner filaments 1-toothed on each side at base, apex of tooth long filiform and longer than antherbearing cusp of filament. 39. Umbel with flowers only; filaments longer than perianth segments 韭葱 A. porrum 39. Umbel with both flowers and bulblets; filaments shorter than perianth segments ... 蒜 A. sativum 38. Inner filaments entire or, if 1-toothed on each side, apex of tooth not filiform and never longer than anther-bearing cusp of filament. 40. Perianth blue, usually becoming bluish purple when dried. 41. Leaves flat, abaxially 1-angled, usually twisted when dried 棱叶薤 A. caeruleum 40. Perianth white, pale red, red, purple-red, purple, or pale green. 42. Filaments not more than 2/3 as long as perianth segments. 43. Pedicels shorter than or subequaling perianth.

44. Scape 10–15(–20) cm; perianth segments obtuse or attenuate at apex; broadened part of
inner filaments with 1 small tooth on each side
44. Scape (15–)25–40 cm; perianth segments acute at apex; broadened part of inner filaments
entire 赛里木薤 A. sairamens
42. Filaments more than $2/3$ as long as perianth segments.
45. Plants dioecious; female flowers 1 per scape; male flowers 2-4(or 5) per scape
45. Plants not dioecious; flowers bisexual, more than 2 per scape.
46. Pedicels ebracteolate or only a few bracteolate at base.
47. Pedicels equaling or slightly longer than perianth; ovary without concave nectaries at base;
filaments $2/3$ – $3/4$ as long as perianth segments
47. Pedicels more than $2 \times$ as long as perianth; ovary with concave nectaries at base; filaments
equaling or longer than perianth segments.
48. Leaves flat; pedicels unequal; inner filaments with a rounded, irregularly denticulate
lobe on each side near base
48. Leaves semiterete; pedicels equal or subequal; inner filaments entire or with an entire
tooth on each side near base.
49. Ovary tuberculate; style slightly exserted
49. Ovary smooth; style conspicuously exserted.
50. Perianth pink to pale purple-red; filaments slightly longer than perianth segments
50. Perianth white; filaments ca. $2 \times \text{as long as perianth segments}$
茂汶薤 A. maowenens
46. All pedicels subtended by bracteoles.
51. Bulb tunic leathery, splitting along veins; perianth segments pale green with green midvein 沙地薤 A. sabulosur
51. Bulb tunic membranous or papery, not splitting, or only apex splitting and becoming
fibrous or reticulate; perianth segments white, pale red, red, or purple-red to dark purple, rarely pale green.
52. Bulb ovoid or narrowly so.
53. Leaves 3–5-angled in cross section, fistulose; scape lateral; base of inner filaments
1-toothed on each side
53. Leaves semiterete or triangular in cross section, fistulose at least basally; base of inner
filaments entire or occasionally 1-toothed on each side.
54. Leaves 1–2 mm wide, semiterete; perianth white or pale red, sometimes greenish.
55. Filaments slightly longer than to 1.5 \times as long as perianth segments; ovary with
concave nectaries at base covered by hoodlike projections 白花薤 $A.$ yanchiens
55. Filaments shorter or slightly longer than perianth segments; ovary without concave
nectaries at base
54. Leaves $2-5$ mm wide, 3 -angled or -keeled to obscurely 3 -angled; perianth red to
purple or lilac-pink to red-violet.

56. Bulb tunic thinly leathery, split and becoming fibrous and subreticulate, rarely subentire; leaves keeled to obscurely 3-angled, rarely subfistulose near base; umbel

globose, densely many flowered; perianth lilac-pink to red-violet
56. Bulb tunic membranous to scarious or subpapery, sometimes apex laciniate to
fibrous; leaves 3-angled, subfistulose; umbel subfascicled to globose, laxly many
flowered; perianth red to purple
52. Bulb ovoid-globose to subglobose (if ovoid, then ovary with concave nectaries at base
without hoodlike projections).
57. Pedicels equaling to slightly longer than perianth
57. Pedicels more than $2 \times \text{as long as perianth.}$
58. Leaves 0.5–1.5 mm wide, terete; scape covered with leaf sheaths for 1/3–1/2 its
length; ovary tuberculate
58. Leaves 1–5 mm wide, flat, semiterete, or triangular-semiterete; scape covered with
leaf sheaths for less than 1/3 its length; ovary smooth.
59. Leaves flat; umbel without bulblets; filaments $1.5-2 \times as$ long as perianth segments
59. Leaves semiterete or triangular-semiterete; umbel \pm with bulblets; filaments shorter
than perianth segments
17. Bulbs usually several in a cluster, cylindric, conical, or ovoid-cylindric, rarely ovoid; rhizomes well devel-
oped.
•
60. Bulb tunic reticulate, subreticulate, or laxly fibrous.
61. Perianth pale blue to blue or purplish blue.
62. Filaments shorter than perianth segments.
63. Perianth segments narrowly oblong to narrowly ovate-oblong, 11–14(–17) mm, margin entire;
filaments usually ca. 4/5 as long as perianth segments; style usually 2-3 × as long as ovary 蓝花韭 A. beesianum
63. Perianth segments ovate or ovate-oblong, 6–10 mm, at least margin of inner ones irregularly den-
ticulate; filaments usually $1/2-2/3$ as long as perianth segments; style shorter than or subequaling
ovary.
64. Perianth segments acuminate at apex, equal, irregularly denticulate at margin, rarely outer
ones entire; leaves abaxially keeled, usually twisted when dry
64. Perianth segments obtuse at apex, inner ones longer and wider than outer, only inner ones
irregularly denticulate at margin; leaves flat高山韭 A. sikkimens
62. Filaments longer than perianth segments.
65. Leaves semiterete
65. Leaves flat.
66. Pedicels extremely unequal, 2-4 × as long as perianth异梗韭 A. heteronem
66. Pedicels subequal, $1-2 \times as$ long as perianth.
67. Bulb tunic reticulate; umbel laxly few flowered; pedicels $1.5-2 \times \text{as}$ long as perianth; base of
inner filaments with 1 short tooth on each side, apex of tooth entire 疏花韭 A. henry
67. Bulb tunic subreticulate; umbel densely many flowered; pedicels $1-1.5 \times$ as long as perianth;
base of inner filaments with 1 long tooth on each side, apex of tooth sometimes denticulate
61. Perianth white, pale red, purple-red, purple, dark purple, or yellow.

68. Filaments more than $1.3 \times as$ long as perianth segments.
69. Perianth segments basally united for 1.5–2 mm into a short tube; filaments basally connate for
1.5–2 mm and adnate to perianth segments 管花韭 A. siphonanthum
69. Perianth segments free; filaments connate only at base.
70. Bulb tunic usually red, distinctly reticulate; inner filaments broadened for $1/3-1/2$ their length;
ovary without concave nectaries at base
70. Bulb tunic never red, reticulate or fibrous; inner filaments broadened for ca. $1/3$ their length;
ovary with concave nectaries at base.
71. Perianth pale red or purple-red to purple.
72. Bulb tunic fibrous, sometimes subreticulate; pedicels ebracteolate
72. Bulb tunic reticulate; pedicels bracteolate at base.
73. Leaves semiterete
73. Leaves flat.
74. Inner filaments entire
74. Inner filaments with 1 or 2 teeth on each side.
75. Perianth segments with red, slender midvein or without midvein; stigma punctiform
75. Perianth segments with purple midvein; stigma capitate or subglobose.
76. Perianth pale lilac to pinkish lilac
76. Perianth pink to pink-red
71. Perianth white to pale yellow.
77. Leaves 2-7 mm wide, flat; teeth of inner filaments entire新疆韭 A. flavidum
77. Leaves 1–5 mm wide, semiterete, fistulose; teeth of inner filaments sometimes irregularly
2-4-denticulate.
78. Leaves equaling to distinctly longer than scape; pedicels ebracteolate
阿拉善韭 A. flavovirens
78. Leaves shorter than scape; pedicels bracteolate at base 白头韭 A. leucocephalum
68. Filaments less than $1.3 \times \text{as long as perianth segments.}$
79. Perianth yellow, later becoming red; filaments connate into tube for 3/5-4/5 their length
79. Perianth not yellow; filaments connate only basally or for $1/6-1/2$ their length.
80. Inner filaments toothed at base.
81. Filaments ca. 1/2 as long as perianth segments
81. Filaments slightly shorter than or equaling perianth segments.
82. Leaves 3–5 mm wide, flat.
83. Filaments slightly longer than perianth segments; stigma punctiform
83. Filaments slightly shorter than or equaling perianth segments 辉韭 A. strictum
82. Leaves 0.25–1 mm wide, semiterete.
84. Bulb tunic subreticulate; filaments connate into a tube for $1/6-1/2$ their length, tube
adnate to perianth segments for $1/3-1/2$ its length.

85. 1	Perianth segments 0-8.5 mm; maments connate for 1/3-1/2 their length
	紫花韭 A. subangulatum
85. H	Perianth segments 3–6 mm; filaments connate for 1/6–1/3 their length
84. Bu	alb tunic distinctly reticulate; filaments connate only at base.
86. I	Pedicels bracteolate at base; perianth pale purple to purple; ovary without concave
r	nectaries at base 贺兰韭 A. eduardii
86. I	Pedicels ebracteolate; perianth pale red; ovary with concave nectaries at base covered
ŀ	by hoodlike projections
80. Inner fila	aments entire at base.
87. Scape	covered with leaf sheaths for $1/4$ – $1/2$ its length.
88. Pedi	cels subequal; leaves 2–5 mm wide辉韭 A. strictum
88. Pedi	cels unequal; leaves 0.5–1 mm wide.
89. Bu	ılb tunic distinctly reticulate荒漠韭 A. tekesicola
89. Bu	ılb tunic subreticulate.
90. H	Bulb tunic brown; inner filaments basally ca. $2 \times$ as wide as outer ones, distally abruptly
s	subulate; ovary with concave nectaries at base covered by hoodlike projections
90. H	Bulb tunic yellowish brown; inner filaments basally ca. $3 \times as$ wide as outer ones,
Ċ	listally gradually attenuate; ovary with small, concave nectaries at base not covered by
ŀ	noodlike projections
87. Scape	covered with leaf sheaths only at base.
91. Bulb	tunic reticulate or subreticulate; perianth white to pale red.
92. In	ner filaments broadly triangular, basally ca. $2 \times$ as wide as outer ones; perianth segments
wit	th dark purple midvein
92. In	ner filaments narrowly triangular, basally only slightly wider than outer ones; perianth
seg	gments without dark purple midvein.
93. \$	Scape 5–15 cm; stigma slightly 3-cleft
	Scape 25–60 cm; stigma punctiform.
94.	Leaves flat, solid; perianth segments white, usually with green midvein
94.	Leaves triangular, abaxially keeled, fistulose; perianth segments white, rarely pale red,
	usually with pale red midvein野韭 A. ramosum
91. Bulb	tunic fibrous or subreticulate at base; perianth dark purple, purple-red, or pale red.
95. In	ner filaments not broadened at base.
96. I	Leaves 8–10 mm wide
96. I	Leaves 1–3 mm wide.
97.	Filaments $1/2-2/3$ as long as perianth segments; ovary constricted at apex, without
	concave nectaries at base
97.	Filaments slightly shorter or longer than perianth segments; ovary not constricted at
	apex, with concave nectaries at base covered by narrow, hoodlike projections
95. In	ner filaments broadened at base.

98. Leaves 1.5-3(-5) mm wide, flat; perianth purple to dark purple 梭沙韭 A. forre 98. Leaves 0.3-1.5 mm wide, semiterete to terete; perianth pale red to purple-red. 99. Leaves distinctly longer than scape; umbel laxly few flowered; perianth segments 3-3.5 mm; ovary with concave nectaries at base	5 c um ı;
102. Perianth segments narrowly oblong to narrowly ovate-oblong, 11-14(-17) mm, margin entire filaments usually ca. 4/5 as long as perianth segments; style usually 2-3 × as long as ovary 蓝花韭 A. beesian	y
102. Perianth segments ovate or ovate-oblong, 6–10 mm, margin of at least inner ones irregularly denticulate; filaments usually 1/2–2/3 as long as perianth segments; style usually shorter than or subequaling ovary.	y
103. Perianth segments acuminate at apex, equal, irregularly denticulate at margin, rarely outer ones entire; leaves abaxially keeled, usually twisted when dry	
103. Perianth segments obtuse at apex, inner ones longer and wider than outer, only inner ones irregularly denticulate at margin; leaves flat	
101. Perianth white, pale red, purple-red, pale purple, purple, yellow, or bright yellow. 104. Perianth pale or bright yellow.	
105. Bulb cylindric; leaves slightly falcate, usually ca. 1/2 as long as or rarely subequaling scape flat	lum
105. Bulb ovoid-globose to ovoid; leaves subequaling scape, semiterete 金头韭 A. herderian 104. Perianth white, pale red, purple-red, pale purple, or purple.	
106. Filaments connate into an urceolate tube for $3/4$ – $4/5$ their length 坛丝韭 A. weschniako 106. Filaments connate only at base or for $1/3$ – $1/2$ their length.	
107. Bulb tunic leathery; pedicels bracteolate at base; ovary with concave nectaries at base covered by hoodlike projections.	
108. Bulb tunic brown, apex becoming fibrous and somewhat subreticulate; pedicels unequal 2-3 × as long as perianth in fruit	o wii s
107. Bulb tunic membranous, papery, or thinly leathery; pedicels ebracteolate; ovary usually without concave nectaries at base (but present in A. pevtzovii).	
109. Perianth segments 2.8–5 mm, apex of inner ones truncate or rounded-truncate. 110. Pedicels unequal, 1.5–3.5 cm; perianth segments 3.9–5 mm 矮韭 A. anisopodi 110. Pedicels subequal, 0.5–1.5 cm; perianth segments 2.8–4.2 mm.	ium
111. Bulb tunic laciniate; umbel hemispheric to globose, densely many flowered雅韭 A. elegantul 111. Bulb tunic splitting at apex; umbel hemispheric to fascicled, laxly flowered	lum
109. Perianth segments 6–18 mm, apex of inner ones obtuse or acuminate.	

126. Leaves linear, 2-6(-8) mm wide; spathe with a short beak; perianth pale red, pale purple, or purple
125. Inner filaments entire at base or, if toothed, teeth never denticulate; ovary with concave nectaries at base not covered by hoodlike projections.
127. Spathe with long beak
127. Spathe with short beak.
128. Bulb tunic blackish gray to black, papery or membranous.
129. Leaves straight; perianth pink or pinkish lilac; ovary with concave nectaries at base
129. Leaves falcate; perianth white; ovary without concave nectaries at base
129. Leaves falcate, perfantil white, ovary without concave nectaries at base
128. Bulb tunic red-brown or brown to yellowish brown, leathery or thinly so.
130. Leaves 1–1.5(–3) mm wide, margin scabrous-denticulate; ovary without concave nec-
taries at base
130. Leaves 2–17 mm wide, margin smooth; ovary with concave nectaries at base.
131. Bulb tunic red-brown, lustrous 北疆韭 A. hymenorhizum
131. Bulb tunic brown to yellowish brown, dull.
132. Leaves usually falcate; inner filaments broadened at base
192. Ecaves usually lareate, limer limitinenes broadened at base
132. Leaves usually not falcate; inner filaments not broadened at base
115. Leaves semiterete or terete, solid or fistulose, adaxially channeled.
133. Inner filaments obtusely 1-toothed on each side at base.
134. Perianth white or pale yellow; style conspicuously exserted; ovary with concave nectaries at
base
134. Perianth red, pale purple-red, or purple-red; style not exserted; ovary without concave nectaries
at base.
135. Inner filaments broadened for ca. 4/5 their length
135. Inner filaments broadened for ca. 1/2 their length
133. Inner filaments entire at base.
136. Beak of spathe several times as long as limb.
137. Perianth segments pale yellow with green midvein
137. Perianth segments purple-red to pale red, rarely white, with dark midvein
136. Beak of spathe shorter than or equaling limb.
138. Perianth white, pale yellow, or greenish yellow.
139. Leaves solid, margin ciliate-denticulate
139. Leaves fistulose, margin smooth.
140. Bulb tunic red-brown, lustrous; scape solid; pedicels bracteolate at base
黄花韭 <i>A. condensatum</i>
140. Bulb tunic light brown to brown, dull; scape fistulose; pedicels ebracteolate
西川韭 A. xichuanense
138. Perianth pale red, red, pale purple, or purple.

141. Pedicels bracteolate at base.
142. Ovary with longitudinally convex nectaries along septa; nectary pit at ovary base open
蜜囊韭 A. subtilissimum
142. Ovary without nectaries or only with concave nectaries at base.
143. Bulbs attached to a robust, horizontal rhizome; filaments equaling or slightly longer
than perianth segments; ovary without concave nectaries 蒙古野韭 A. prostratum
143. Bulbs attached to vertical rhizome; filaments $1.25-2 \times$ as long as perianth segments;
ovary with concave nectaries.
144. Bulb tunic red-brown, lustrous, scarious to subleathery; leaves 2–3 mm wide, margin
smooth
144. Bulb tunic brown, dull, leathery; leaves 0.5–2 mm wide, margin ciliate- or scabrous-
denticulate.
145. Bulb tunic leathery, entire or laciniate at apex; ovary with concave nectaries covered
by hoodlike projections
145. Bulb tunic thinly leathery to papery, splitting; ovary with concave nectaries not
covered by hoodlike projections.
146. Bulbs to 10 cm; tunic yellowish brown; filaments ca. $1/2$ as long as perianth
segments
146. Bulbs shorter; tunic brown; filaments $1.251.5 \times \text{as long as perianth segments}$
141. Pedicels ebracteolate.
147. Inner filaments conspicuously broadly ovate or ovate-oblong at base.
148. Bulb tunic grayish white, sometimes reddish; pedicels $2-3 \times$ as long as perianth; peri-
anth purple-red; style slightly longer than ovary 短齿韭 A. dentigerum
148. Bulb tunic brown; pedicels shorter than or equaling perianth; perianth pale red; style
shorter than ovary
147. Inner filaments subulate to narrowly triangular at base, gradually attenuate toward apex.
149. Scape covered with leaf sheaths for $1/3-1/2$ its length; leaves 1 or 2, margin smooth;
perianth pink
149. Scape covered with leaf sheaths only at base; leaves more than 3, margin scabrid;
perianth pale purple or red-purple.
150. Inner perianth segments irregularly denticulate at distal margin and apex; style
exserted
150. Inner perianth segments entire; style not exserted