1	Siliculae hardly or not laterally compressed; septum broadly elliptic (sometimes incomplete or absent)	(2)
+	Siliculae laterally ± flattened or compressed (rarely with inflated valves) septum narrowly elliptic (sometimes absent)	(4)
2 (1)	Racemes elongated in fruit; valves neither gibbous nor double crested at the back	(3)
+	Racemes condensed, ± umbellate in fruit; valves gibbous with double crest at the back	*Dilophia*
3 (2)	Siliculae many seeded	*Cochlearia*
+	Siliculae 2-seeded	*Winklera*
4 (1)	Siliculae bilobed; valves of each lobe inflated, globose or subglobose (neither keeled nor winged)	(5)
+	Siliculae ± compressed (rarely sub-inflated); valves boat shaped, ± keeled (winged or not)	(6)
5 (4)	Valves rigid, rugose, ± pitted	*Coronopus*
+	Valves membranous, smooth	*Didymophysa*
6 (4)	Siliculae bilocular, dehiscent (very rarely indehiscent), or breaking into two 1-seeded halves (rarely unilocular in some species of Aethionema)	(8)
+	Siliculae unilocular, indehiscent	(7)
7 (6)	Valves coarsely veined in the middle; style short but distinct	*Sameraria*
+	Valves not coarsely veined; stigma sessile	*Isatis*
8 (6)	Siliculae breaking into two 1-seeded halves, or indehiscent (sometimes sub-dehiscent)	(9)
+	Siliculae dehiscent, usually leaving the seeds free	(12)
9 (8)	Siliculae indehiscent (rarely subdehiscent)	(10)
+	Siliculae breaking longitudinally into two 1-seededhalves	(11)
10 (9)	Siliculae 1 or 2 seeded	*Cardaria*
+	Siliculae many seeded	*Hedinia*
11 (9)	Plants robust; siliculae winged; stamens many (more then 6 in our spp.)	*Megacarpaea*
+	Plants short; siliculae not winged; stamens 6	*Uranodactylus*
12 (8)	Siliculae not winged, usually many seeded (more than 10 seeded); seeds very small	(13)
+	Siliculae ± winged (wings inconspicuous in some species of Lepidium and Thlaspi), usually 2 seeded; seeds large	(14)
13 (12)	Plants erect, hairy with branched hairs; siliculae somewhat triangular	*Capsella*
+	Plants generally procumbent, tender, glabrous; siliculae elliptic or obovate-elliptic	*Hymenolobus*
14 (12)	Flowers regular	(15)
+	Flowers irregular, with two petals slightly longer	*Iberis*
15 (14)	Siliculae usually distinctly winged (rarely wings almost supressed in some species of Thlaspi), usuallylarger and longer than broad; style distinct	(16)
+	Siliculae slightly or obscurely winged towards the apex, small, ± rounded or ovate; style usually minute or almost absent	*Lepidium*
16 (15)	Stamen filaments not appendaged; siliculae often elongated with entire margin or wings	*Thlaspi*
+	Filaments of the longer four stamens generally appendaged (not in our single species); siliculae ±suborbicular with denticulate margin or wing (in ourspecies)	*Aethionema*