Table S1. Matrix of morphological characters used in phylogenetical analysis (Abbreviation of species names as in Table 1)

Taxa	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Pim. pod.	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	0	1	0	-	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Gec. nit.	0	1	0	0	0	1	1	0	2	1	1	1	0	1	0	1	0	2	1	0	1	1	1	-	1	-	1	0	0	1	0	1	0	1	3	0	1	0	-	0
Gec. ger.	1	0	1	0	1	1	0	1	2	0	-	0	1	1	1	1	1	1	0	-	0	0	1	-	1	1	1	0	1	-	-	-	-	1	3	-	1	-	-	-
Gec. hir.	0	0	1	1	0	1	1	0	0	1	1	0	1	1	1	1	1	0	1	2	0	0	1	-	2	1	1	0	1	-	-	-	-	1	3	-	1	-	-	-
Neo. pat.	0	0	0	0	0	1	1	0	2	1	1	0	0	1	0	1	0	0	1	2	1	2+3	0	0	2	2	1	1	0	1	1	0	1	0	1	0	1	1	2	0
Neo. for.	0	1	0	1	0	1	1	0	0	1	1	0	0	1	0	1	0	2	0	-	1	3	0	1	1	2	1	1	0	1	1	0	4	0	0	0	0	1	2	0
Neo. ova.	1	1	0	0	0	1	1	0	0	1	0	0	0	1	0	1	0	4	0	-	1	3	1	-	1	2	1	1	0	1	1	0	3	0	1	0	1	1	2	0
Neo. lig.	0	1	0	0	0	1	1	0	2	1	1	0	0	1	0	1	0	3	0	-	1	3	0	2	1	2	1	1	0	0	1	0	3	0	1	0	0	1	1	0
Neo. lev.	0	1	0	1	0	1	1	0	2	1	1	0	0	1	0	1	0	2	0	-	1	2	0	1	1	2	1	1	0	1	1	0	3	0	0	0	0	1	0	0
Neo. chil.	0	1	0	0	0	1	1	0	2	1	1	0	0	1	0	1	0	1	1	1	1	3	0	1	1	2	1	1	0	0	1	0	2	0	1	0	0	1	0	0
Neo. schr.	0	0	0	2	0	1	1	0	1	1	0	0	0	1	0	1	0	4	1	1	1	1	0	0	1	2	1	1	0	1	1	0	2	0	0	0	1	0	2	0
Neo. cya.	0	0	0	2	0	1	0	0	2	1	0	1	0	1	0	1	0	2	1	3	0	2	0+	0	1	2	1	1	0	1	1	0	2	0	0	0	0	0	-	0
Neo. rob.	0	0	0	1	0	1	1	0	2	1	0	1	0	1	0	1	0	2	0	-	0	1	1	-	1	2	1	1	0	1	1	0	2	0	2	1	1	1	2	1

Taxa	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80

Pim. pod.	-	-	-	-	-	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	-	-	0	0	0	0	0	0	0	0
Gec. nit.	0	0	-	1	1	0	0	-	1	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	-	0	0	0	0	0	0	1	0	0
Gec. ger.	-	1	1	1	0	0	0	-	1	1	0	0	1	-	1	-	1	-	0	0	2	1	0	0	-	1	0	1	1	1	1	-	0	0	0	1	1	0	1	1
Gec. hir.	-	0	-	1	1	0	0	-	1	1	1	0	1	-	1	-	1	-	0	0	2	1	0	0	-	1	0	1	1	1	1	-	1	1	0	1	0	1	0	0
Neo. pat.	0	0	-	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	1	0	0	1	1	0	0	1	0	0	0	0	1	-	0	1	0	0
Neo. for.	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	0	1	0	0	0	0	1	-	0	1	0	0
Neo. ova.	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	1	1	0	0	1	0	1	0	0	1	-	0	1	0	0
Neo. lig.	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	1	1	0	0	1	0	0	0	0	1	-	0	1	0	0
Neo. lev.	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0+	1	1	0	0	0	-	1	0	0	1	-	0	1	0	0
Neo. chil.	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	1	1	0	0	0	-	1	0	0	1	-	0	1	0	0
Neo. schr.	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	1	0	0	0	-	1	0	0	1	-	0	1	0	0
Neo. cya.	0	1	1	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	1	1	0	0	1	0	0	0	0	1	-	0	1	0	0
Neo. rob.	0	1	1	0	0	0	1	1	1	1	1	1	0	1	0	1	0	1	1	1	1	0	1	0	0+	1	1	0	0	0	-	1	0	0	1	-	0	1	0	0
Taxa	**81**	**82**	**83**	**84**	**85**	**86**	**87**	**88**	**89**	**90**	**91**	**92**	**93**	**94**	**95**	**96**	**97**	**98**	**99**	**100**	**101**	**102**	**103**	**104**	**105**	**106**	**107**	**108**	**109**	**110**	**111**	**112**	**113**	**114**	**115**	**116**	**117**	**118**	**119**	**120**

Pim. pod.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Gec. nit.	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	1	1	1	2	3
Gec. ger.	1	0	1	1	1	1	0	0	1	1	1	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	1	0	-	1
Gec. hir.	0	0	1	1	1	0	1	0	0	1	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	?	?	?
Neo. pat.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	1	1	1	0	0	-	0
Neo. for.	0	1	-	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	1	1	0	1	1	1	2	0
Neo. ova.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	1	1	1	2	2
Neo. lig.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0/1	0	0	0	1	0	0	1	0	0	0	0	1	1	0	1	0	1	2	2
Neo. lev.	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	1	1	1	2	0
Neo. chil.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	1	1	1	2	1
Neo. schr.	0	1	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	1	0	1	2	1
Neo. cya.	0	0	0+	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	1	0	0	-	1
Neo. rob.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	1	0	1	0	0+1	0	0