



# A Checklist of Turkey Cosmopterigidae (Lepidoptera)

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## ABSTRACT

In this study, a checklist of the species of Cosmopterigidae (Lepidoptera) recorded from Turkey is given. The present list contains with original references, synonyms, host plants, distributions data of the 36 species. Distribution in Turkey of some species was discussed.

**Key words:** Cosmopterygidae, Checklist, Turkey

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## 1. INTRODUCTION

The Cosmopterygidae is a very specialized family of gelechioid moths. The most abundant family of the narrow-winged moths, are a dominant group of Microlepidoptera. The family was erected by Heinemann & Wockein 1876 *Cosmopterix* Hübner [1825] as type genus. This family is sometimes considered a subfamily of Momphidae [1]. Hodges [2] divided the family into three subfamilies: Chrysopeliinae, Antequerinae, and Cosmopteriginae, although the subfamily Scaeosophinae occurring in the Old World tropics is recognized by Koster and Sinev [3]. Koster and Sinev [3] also have recognized Chrysopeliidae as a separate family. Chrysopeliinae and Antequerinae was given in family of Cosmopterygidae [4,5]. More than 200 species are recorded from the Palearctic, with 19 genera and 85 species in the Europe region. From Turkey, 33 species are given, also the status of one species is doubtful [3]. The fauna of the Cosmopterigidae of Central Asia is rather well known thanks to publications of, especially, Sinev [6-11] (Sinev, 1984a, 1985, 1986, 1989, 1993b, 1999), but also from Kasy [12] and Falkovitch [13]. Diakonoff, [14] described new taxa in this family from Syria. 45 species have been recorded in this family by

Koçak & Kemal [5], with species of genus *Ascelenia* and *Sorhagenia*. Also Staudinger [16-18], Mann, [18,19], Seven [20,21], Koçak & Seven, [22] have contributed to the fauna of the Cosmopterigidae of Turkey.

This paper presents a comprehensive annotated checklist of the Turkish cosmopterigids.

## 2. EXPERIMENTAL

The present Cosmopterygidae catalogue is reported for the first time from Turkey. Materials of this paper are contained the literatures of the family Cosmopterygidae of Turkey. Taxa are listed according to Koster & Sinev [3]. The Latin name, the complete name of the author and year of publication, the original referans, the synonym, the host plants, the distributed in World and Turkey were given for 36 species reported.

## 3. RESULTS

The present checklist is reported the first time for Turkey. 36 species belonging to 2 subfamilies and 11 genera of the family Cosmopterygidae are listed below.

**COSMOPTERIGIDAE HEINEMANN & WOCKE,[1876]**

Cosmopterygidae Heinemann & Wocke,[1876]:520.Type genus: *Cosmopterix*Hübner [1825].  
*Diplosaridae* Meyrick, 1915: 339.Type genus: *Diplosara* Meyrick,1883  
*Hyposmocomidae* Hampson, 1918:386.Type genus:*Hyposmocomia* Butler,1881.  
*Scaeosophides* Meyrick, 1922a: 48. Type genus:*Scaeosopha* Meyrick, 1914[Subfamily].*Antequerinae*Hodges, 1978:Type genus:*Antequera* Clarke,1941[Subfamily].

**Subfamily Antequerinae Hodges, 1978  
 PancaliaStephens, 1829**

*Pancalia* Stephens, 1829:49. Type species: *PhalaenaTinealeuwenhoekella* Linnaeus, 1761, by subsequent designation by Curtis, 1830.

***Pancalialeuwenhoekella* (Linnaeus,1761)**

*PhalaenaTinealeuwenhoekella* Linnaeus, 1761:361.  
**Synonym:***PhalaenaTinealeuwenhoekella*:Linnaeus,1767:897;unjustified emendation of *PhalaenaTinealeuwenhoekella*Linnaeus,1761.  
**Host plant:***Viola canina*L., *V. hirta*L.,*V. tricolor*(L.)Witt[23,3]  
**Distribution:** Europe,except for northern Fennoscandia; Asia Minor,the Caucasus,South-western Siberia [1,24].  
**Distributed in Turkey:** Amasya, Bursa, Malatya, Maraş [5].

***Pancalianodosella*(Bruand,[1851])**

*Oecophoranodosella*Bruand, [1851]: 79.  
**Synonym:***Oecophoranodosella* Mann, 1854:586, junior primary homonym of *Oecophoranodosella*Bruand, [1851].  
**Host plant:***Viola curtisi*[3].  
**Distribution:** Southern and Central Europe, North to the sandy coastal dunes of Holland and Latvia; the Caucasus, Central Asia to Kirghizia in the east [3].  
**Distributed in Turkey:**Koçak& Kemal [5] are listed this species without detecting the locality records.

***Pancaliaschwarzella* (Fabricius, 1798)**

*Tineaschwarzella*Fabricius, 1798: 493.  
**Synonym:** *Pancaliaatreillella*Curtis, 1830: 304.  
**Host plant:***Viola hirta*, *V.tricolor*, *V.canina*, *Lotus corniculatus*[23, 20].  
**Distribution:** Europe, except for the south-east, in the southern party manly in the mountainous regions up to 2600m above sea level; Central Asia (at high elevations in mountains only), Siberia, Transbaikalia, Kamchatka [3,6].  
**Distributed in Turkey:** Bursa, Balıkesir[19,20].

***Alloclita* Staudinger, 1859**

*Alloclita* Staudinger, 1859: 247. Type species: *Alloclitarecisella* Staudinger, 1859, by monotypy.  
*Proceleustis* Meyrick,1914c: 267. Type species: *Proceleustisparaphracta* Meyrick,1914, by monotypy.  
*Dahrania*Amsel,1958: 78. Type species: *Dahraniafasciella*Amsel,1958, by original designation.

***Alloclitadeprinsi*Koster&Sinev, 2003**

*Alloclitadeprinsi*Koster&Sinev, 2003: 102.fig.63, pl.224, fig.  
**Host plant:** Unknown.  
**Distribution:** Asia Minor[3].  
**Distributed in Turkey:** İçel[3].

**SubfamilyScaeosophinae Meyrick, 1922  
 AllotalantaMeyrick, 1913**

*Allotalanta* Meyrick, 1913b:114. Type species: *Allotalantaautophaena*Meyrick, 1913, by monotypy.

***Allotalantaautophaea* Meyrick, 1913**

*Allotalantaautophaea* Meyrick, 1913b:114.  
**Host plant:** Unknown  
**Distribution:** Turkey [3].  
**Distributed in Turkey:** İçel[Taurus:paralectotype] [3].

**SubfamilyCosmopteriginiae Heinemann &Wocke, [1876]  
 CosmopterixHübner [1825]**

*Cosmopterix*Hübner [1825]:424. Type species:*Tineazieglerella*Hübner,[1810], by subsequent designation by the International Commission on Zoological Nomenclature, 1969: 150 [Opinion,866].  
*Cosmopterix*Zeller, 1839: 210; unjustified emendation.  
*Lienigia*Spuler, 1910: 389. Type species: *Cosmopterixlienigiella*Zeller, in Lienig& Zeller, 1846, by monotypy.

***Cosmopterixzieglerella* (Hübner,[1810])**

*Tineazieglerella*Hübner, [1810]: 4.  
**Host plant:***Humuluslupulus*L.,*H. japonicas* Sieb.et Zucc.(*Cannabaceae*)(Sorhagen, 1885),*Boehmerianipononivea*Koidz.(*Urticaceae*) (Kroko,1960; Sinev,1994d).  
**Distribution:** Europe; AsiaMinor, the Caucasus, Central and East Asia to Japan [25, 3].  
**Distributed in Turkey:** Koçak& Kemal [5] are listed this species without detecting the locality records.

***Cosmopterixscribaiella* Zeller,1850**

*Cosmopterixscribaiella* Zeller,1850:197.  
**Synonym:** *Cosmopterixhermsiella*Hering, 1889: 308.*Cosmopterixscribaiella japonica* Kuroko, 1960: 9.  
**Host plant:***Phragmitesaustralis* (Cav.)(*Poaceae*) [3, 26-28], *P.communis*[23].  
**Distribution:** North and Central Europe;northern Africa,Asia Minor,Central Asia[1].  
**Distributed in Turkey:** Bursa [19].

**Cosmopterix crassicervicella** Chretien, 1896

*Cosmopterix crassicervicella* Chretien, 1896: 105.

**Synonym:** *Cosmopterix flavipes* Turati, 1930:

84. *Cosmopterix superba* Gozmany, 1960: 419.

*Cosmopterix dalii* Agenjo, 1981: 50.

**Host plant:** *Cyperus* L. (Cyperaceae) [29].

**Distribution:** Southern Europe (Spain, Portugal, Greece); Asia Minor, Transcaucasus northern Africa and Near East [3].

**Distributed in Turkey:** Koçak & Kemal [5] are listed this species without detecting the locality records.

**Pyroderces Herrich-Schaeffer, 1853**

*Pyroderces* Herrich-Schaeffer, 1853: 12 (key), 47. Type species: *Pyroderces goldeggella* Herrich-Schaeffer, 1853, by monotypy.

*Lallia* Chretien, 1915: 351. Type species:

*Lallia apicinotella* Chretien, 1915, by monotypy.

*Tenuipenna* Amsel, 1959: 68. Type species:

*Tenuipenna simplicella* Amsel, 1959, by original designation.

**Pyroderces caesaris** Gozmany, 1957

*Pyroderces caesaris* Gozmany, 1957: 132.

**Host plant:**

*Echinops ruthenicus* M.B., *Centaurea orientalis* L., *C. saloni* Vis., *Cirsium sublaniflorum* Sojak. [30].

**Distribution:** Mediterranean, from Spain to Ukraine (Crimea) and Turkey [3].

**Distributed in Turkey:** Antalya [3].

**Pyroderces argyrogrammos** (Zeller, 1847)

*Cosmopterix argyrogrammos* Zeller, 1847a: 37.

**Synonym:** *Pyroderces goldeggella* Herrich-Schaeffer, 1853: 47, pl. 13, figs. 29, 30.

**Host plant:** *Calina*, *Centaurea*, *Carduus nutans*, *C. pycnocephalus*, *Cnicus benedictus* *Scolymus hispanicus* (Asteraceae) [23].

**Distribution:** South and Central Europe, to Central Germany in the North (Biesenbaum, 2000); the whole Mediterranean region, from Canary Islands to Iran and Central Asia, Asia Minor [31, 1].

**Distributed in Turkey:** Amasya, Bursa, Edirne, Muğla, Ardahan [5, 17, 19, 32].

**Coccidiphila Danilevsky, 1950**

*Coccidiphila* Danilevsky, 1950: 49. Type species:

*Coccidiphila gerasimovi* Danilevsky, 1950 by original designation.

*Batrachedropsis* Amsel, 1955: 15. Type species:

*Cosmopterix ledereriella* Zeller, 1850, by monotypy.

**Coccidiphila gerasimovi** Danilevsky, 1950

*Coccidiphila gerasimovi* Danilevsky, 1950: 49.

**Host plant:**

*Pseudococcus maritimus* Ehrh., *Laccifer lacca* Kerr., *Lecanium prunastri* Fonsc., *Aonidella citrina* (Homoptera, Coccoidea) [3, 23, 33, 34, 35].

**Distribution:** Mediterranean from Spain to Asia Minor, Near East and western Caucasus; Canary Islands [3].

**Distributed in Turkey:** Koçak & Kemal [5] are listed this species without detecting the locality records.

**Coccidiphila ledereriella** (Zeller, 1850)

*Cosmopterix ledereriella* Zeller, 1850: 198.

**Synonym:** *Teleia? Unedella* Milliere, 1876:

331; *Coccidiphilarungsella* J. Nel & Brusseau, 1997: 455.

**Host plant:** Unknown.

**Distribution:** Mediterranean area. Old records from Asia Minor and northern Africa should be verified [3].

**Distributed in Turkey:** Bursa [19].

**Eteobalea** Hodges, 1962

*Eteobalea* Hodges, 1962: 66. Type species:

*Gelechia sexnotella* Chambers, 1878, by original designation.

*Parastigmatophora* Riedli, 1965: 423. Type species:

*Oecophoraserratella* Treitschke, 1833, by original designation.

**Eteobalea anonymella** (Riedl, 1965)

*Stigmatophora*

(*Parastigmatophora*) *anonymella* Riedl, 1965: 433.

**Host plant:** Unknown.

**Distribution:** Europe, except for northern Fennoscandia; northern Africa, Asia Minor, Near and Middle East, eastwards to Iran and Central Asia. In the south restricted to mountain regions [3].

**Distributed in Turkey:** Ankara [5].

**Eteobalea serratella** (Treitschke, 1833)

*Oecophoraserratella* Treitschke, 1833: 168.

**Synonym:** *Stigmatophorasareptensis* Walsingham, 1907b: 178, *Stigmatophoracinerocapitella* Caradja, 1920: 148.

**Host plant:** *Linaria vulgaris* Mill. and *L. genistifolia* sp. *euxina* (Scrophulariaceae). Also *Antirrhinum majus* L. has been mentioned [36, 37].

**Distribution:** Central Europe from eastern Germany and Poland southwards to the Mediterranean coast, south-east of European Russia, Asia Minor, Near East, Central Asia [3].

**Distributed in Turkey:** Amasya, Bursa, Kırklareli, Ankara, Kayseri, Konya, Kahramanmaraş, Iğdır [5].

**Eteobalea intermediella** (Riedl, 1966)

*Stigmatophora intermediella* Riedl, 1966a: 77.

**Synonym:** *Stigmatophora beata* auctt., (nec Walsingham, 1907); misidentification.

**Host plant:** *Linaria vulgaris* Mill., *L. pontica* L., *L. genistifolia* (L.) Mill., *L. dalmatica* (L.) Mill., and *Anarrhinumbellidifolium* (L.) Willd. (Scrophulariaceae) [38].

**Distribution:** Central and southern Europe, the Caucasus; Asia Minor, Near and Middle East to Iran and Central Asia [3].

**Distributed in Turkey:** Koçak & Kemal [5] are listed this species without detecting the locality records.

***Eteobaleaalbiapicella* (Duponchel,[1843])**

*Litaalbi-apicella*Duponchel, in Godart,[1843]:328.

**Host plant:***Globularia vulgaris* L., *G. nudicaulis*L.and*G. elongate*Hegetschw (Globulariaceae) [3,23].

**Distribution:** Central and southern Europe, eastward to the south of European Russia, Mediterranean Islands: Asia Minor [3].

**Distributed in Turkey:** Amasya, Bursa, Karaman, Antalya [5].

***Eteobaleaisabellella* (Costa, [1836])**

*Ornixisabellella* Costa, [1836]:[299].

**Synonym:** *Ornixhisabellella* Costa, [1836]:[299].; incorrect original (of a multiple) spelling of *Ornixisabellella* Costa ,[1836];

*Stigmatophoraopulentella*Herrich-Schaeffer,1853: 217.

*Stigmatophorarutilella* Chretien, 1896: 105.

**Distribution:** Southern Europe, to Romania in the North; Asia Minor, northern Africa [3].

**Host plant:** Unknown.

**TürkiyeYayılışı:** Bursa [19].

***Eteobaleabeata*(Walsingham,1907)**

*Stigmatophorabeata* Walsingham,1907b: 180.

**Host plant :** Unknown.

**Distribution:** Western Mediterranean area (Southern France, Italy, Iberian Peninsula and northern Africa) [3].

**Distributed in Turkey:** Sivas[5].

***Eteobaleadohrnii*(Zeller,1847)**

*Elachistadohrnii* Zeller,1847: 890.

**Synonym:** *Stigmatophoradohnria*uctt.; incorrect subsequent spelling of *Elachistadohrnii* Zeller,1847.

**Host plant:***Plantagoalbicans* L.[3].

**Distribution:** Mediterranean area from Portugal to Syria in the east [3].

**Distributed in Turkey:** Koçak& Kemal [5] are listed this species without detecting the locality records.

***Eteobaleasiciliae*(Riedl,1966)**

*Stigmatophorasiciliae*Riedl,1966a:79.

**Host plant:** Unknown.

**Distribution:** Mediterranean area (Spain, Sicily, Algeria, Turkey) [3].

**Distributed in Turkey:**Mersin[5]? Hatay, Yayladağı[3].

***Eteobaleasumptuosella*(Lederer,1855)**

*Elachistasumptuosella*Lederer,1855:234.

**Synonym:** *Litaadmirendella*Bruand, [1851]: 80, *nomennudum*; *Stigmatophoraamseli*Osthelder, 1940: 115.

**Host plant:** Unknown.

**Distribution:** Mediterranean area, eastwards to Asia Minor, the Caucasus, Near East and Central Asia [3].

**Distributed in Turkey:** Bursa, Amasya, Ankara, Konya, Kahramanmaraş[5].

***Eteobaleatrivella*(Staudinger, 1871)**

*Stigmatophoratrivella* Staudinger, 1871:322.

**Synonym:***Stigmatophorakasyi*Riedl, 1965:436; *Eteobaleatrivellaberhardiella*Kasy, 1973b: 276.

**Host plant:** Unknown.

**Distribution:** Central and eastern Europe, southern Fennoscandia, eastwards to southern Siberia and Mongolia [3].

**Distributed in Turkey:**İğdır[5].

***Vulcaniella*Riedl, 1965**

*Vulcaniella*Riedl, 1965:439. Type species:

*Elachistapomposella* Zeller, 1839, by original designation.

***Vulcaniellacognatella*Riedl, 1990**

*Vulcaniellacognatella*Riedl, 1990a:68

**Synonym:***Vulcaniellapomposella*uctt. (nec Zeller, 1839);misidentification.

**Host plant :** Unknown .

**Distribution:** Eastern Mediterranean area, from Italy to Asia Minor [3].

**Distributed in Turkey:**Koçak& Kemal [5] are listed this species without detecting the locality records.

***Vulcaniellacaucasica*Sinev,1986**

*Vulcaniellacaucasica*Sinev,1986: 64.

**Host plant:** Unknown.

**Distribution:** Asia Minor, the Caucasus (Armenia and Azerbaijan ) [3].

**Distributed in Turkey:**Ağrı[3].

***Vulcaniellagrabowiella* (Staudinger,1859)**

*Pancaliagrabowiella* Staudinger,1859:251.

**Host plant:***Lavandulastoechas* L., *Thymus vulgaris*L.,and*T. algeriensisnumidicus*Poir.(Lamiaceae) [15, 28, 29].

**Distribution:** Mediterranean area, from Iberian Peninsula to Asia Minor [3].

**Distributed in Turkey:**Ankara [5].

***Vulcaniellakaradaghella*Sinev, 1986**

*Vulcaniellakaradaghella*Sinev, 1986:66.

**Host plant :***Salvia grandiflora*Ettl.(Lamiaceae) [3].

**Distribution:** The Crimea and Asia Minor [3].

**Distributed in Turkey:**Koçak& Kemal [5] are listed this species without detecting the locality records.

***Vulcaniellaglaseri* (Riedl,1966)**

*Stigmatophoraglaseri*Riedl, 1966b:108.

**Host plant:** Unknown.

**Distribution:** Asia Minor [3].

**Distributed in Turkey:** Ankara, Sivas [3].

***Vulcaniellaanatolica*Koster&Sinev, 2003**

*Vulcaniellaanatolica*Koster&Sinev, 2003:160-161.

**Host plant:** Unknown.

**Distribution:** Asia Minor [3].

**Distributed in Turkey:**Mersin, Konya?[3].

***Vulcaniellapontica*Koster&Sinev, 2003**

*Vulcaniellapontica*Koster&Sinev, 2003:161-162.

**Host plant:** Unknown.

**Distribution:** Asia Minor [3].

**Distributed in Turkey:**Nevşehir, Mersin?[3].

***Vulcaniellafiordalisa*(Petry,1904)**

*Stigmatophorafiordalisa*Petry,1904: 250.

**Synonym:** *Stigmatophoragnaphaliella* Chretien, 1922:120.

**Host plant :***Helichrysumserotinum*Boiss.,*H. angustifolium* D.C., *H.stoechas* (L.) D.C., and *Phagnalon*sp. (Asteraceae)[39, 40].

**Distribution:** Mediterranean area, from Portugal and Morocco, eastwards to the Balkans and Lebanon [3].

**Distributed in Turkey:** Ankara [5].

***Vulcaniellagrandiferella*Sinev,1986**

*Vulcaniellagrandiferella*Sinev,1986:62.

**Synonym:** *Vulcaniellapomposella*auctt., (nec Zeller, 1839); misidentification.

**Host plant :***Salvia aethiopis* L., *S.sclarea*L.(Lamiaceae)[30, 41].

**Distribution:** Eastern Mediterranean area, from the Portugal and Morocco, eastwards to the Balkans and Lebanon [3].

**Distributed in Turkey:**Koçak& Kemal [5] are listed this species without detecting the locality records.

***Vulcaniellapomposella*(Zeller,1839)**

*Elachistapomposella* Zeller,1839:212.

**Host plant :***Helichrysumarenarium*(L.)

Moench.,*Hieraciumpilosella* L. (Asteraceae), *Salvia officinalis*L., *S.aethiopis* L. (Lamiaceae)[23, 28, 42, 43, 44].

**Distribution:** Central Europe, northwards to Latvia. All records from the Mediterranean area and eastern Europe should be verified[3].

**Distributed in Turkey:**Amasya, Bursa Ankara, İstanbul, Iğdır[5].

***Vulcaniellafiordalisa* (Petry, 1904)**

*Stigmatophorafiordalisa*Petry, 1904:250

**Synonym:** *Stigmatophoragnaphaliella*Chretien, 1922:120.

**Host plant :***Helichrysumserotinum*Boiss., *H. angustifolium*D.C.,*H.stoechas*(L.) DC.and*Phagnalon*sp. [39, 40].

**Distribution:** Mediterranean area from Portugal and Morocco, eastwards to the Balkans and Lebanon [3].

**Distributed in Turkey:**Ankara [5].

***Ramphis*Riedl, 1969**

*Ramphis*Riedl, 1969:786. Type species: *Ramphisibericus*Riedl, 1969, by original designation.

***Ramphislibanoticus*Riedl, 1969**

*Ramphislibanoticus*Riedl,1969:788.

**Host plant:***Salvia trilobacypria*Kotchy and *S. trilobalibanotica*Boiss&Fai[45].

**Distribution:** Island of the eastern Mediterranean (Rhodos,Cyprus ), Asia Minor, Near East (Lebanon, Syria) [3].

**Distributed in Turkey:**Elazığ[3].

***Hodgesiella*Riedl, 1965**

*Hodgesiella*Riedl, 1965: 440. Type species:

*Stigmatophorarebeli* Krone, 1905, by original designation.

***Hodgesiellachristophi*Koster&Sinev, 2003**

*Hodgesiellachristophi*Koster&Sinev, 2003:165.

**Host plant:** Unknown.

**Distribution:** Asia Minor[3].

**Distributed in Turkey:** Konya,Nevşehir,Sivas[3].

***Tolliella*Riedl, 1969**

*Tolliella*Riedl, 1969: 798. Type species:

*Stigmatophorafulguritella*Ragonot, 1895, by original designation.

***Tolliellafulguritella* (Ragonot,1895)**

*Stigmatophorafulguritella*Ragonot,1895:108.

**Host plant:**Unknown.

**Distribution:** Turkey,Lebanon, Syria, Jordan, Iraq[3].

**Distributed in Turkey:**Hatay, Kahramanmaraş[5],Şanlıurfa[3].

**4. DISCUSSION**

AlthoughKoçak& Kemal [5]was recorded *Etaboelabaeta* and *E.anommellain*Sivas andIğdır province(*sp.baeta*: Sivas,*sp.tririvella*:Iğdır). Koster&Sinev[3]did not reported at same species from Turkey. Similaraty, aspectwas observed *Anatrachyntisrileyi* (Walsingham, 1882).While this species was given from in Canary Island by Koster&Sinev [3], Koçak& Kemal [5]reported it from Turkey.İn addition,there is no any collecting localityrecords in the study of Koçak& Kemal [5]. Thus,this species was not added in this checklist.

*Vulcaniellaanatolica* was described from Mersin byKoster&Sinev(Holotyp Turkey, Mersin, 10km SE Arslanköy, Taurus, 1300m, leg. Fibiger: 160, 129), but locality in legend of picturewas written Konya province(Holotyp: Turkey, Konya, Prov. Konya, 20km SE Hadim, Taurus, 1800m leg. Fibiger: 236, 129)[3].This locality of this species was doubtful.

*Vulcaniellapontica*was described from Nevşehirby Koster&Sinev(Holotype: Turkey, Nevşehir, Göreme by Ürgüp, Love Vally,1300m leg.M.Fibiger: 162), however locality in legend of picture was written

Mersin province (Holotyp Turkey, Mersin, 10km SE Arslanköy, Taurus, 1300m, leg. Fibiger: 236, 130)[3]. This locality of this species was doubtful too.

9 species of Cosmopterigidae have not known detail localities information (*Pancalianodosella* (Bruand, [1851]), *Cosmopterixzieglerella* (Hübner, [1810]), *Cosmopterixcrassicervicella* Chretien, 1896, *Coccidiphilagerasimovi* Danilevsky, 1950, *Eteobaleaintermediella* (Riedl, 1966), *Eteobaleadohrnii* (Zeller, 1847), *Vulcaniellacognatella* Riedl, 1990, *Vulcaniellakaradaghella* Sinev, 1986, *Vulcaniellagrandiferella* Sinev, 1986).

*Alloclitadeprinsi*, *Allotalantaautophaea*, *Hodgesiellachristophi*, *Vulcaniellaanatolica*, *V.pontica* are endemic for Turkey [3].

#### CONFLICT OF INTEREST

No conflict of interest was declared by the authors.

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