

# Subterranean Invertebrates Turkmenistan (mainly Koytendag)

May 2023 & April 2024



determinations at 19/03/25



Fédération Française  
de Spéléologie

Order

Family

*Scientific name*

Cave

Length

Identificator

# Classification

C  
L  
A  
S  
S  
E

N° Data base (Josiane Lips)





Caenogastropoda

Cochliopidae

*Kainarella minima*

Gainar Baba -Aksuw Spring

1,6 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



*Josiane Lips*

Caenogastropoda

Cochliopidae

*Kainarella cf. minima*

Gaynar Baba Spring

1 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



*Josiane Lips*



Caenogastropoda

Cochliopidae

*Kainarella minima* var.

Gainar Baba Spring

1,6 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



*Josiane Lips*

Caenogastropoda

Cochliopidae

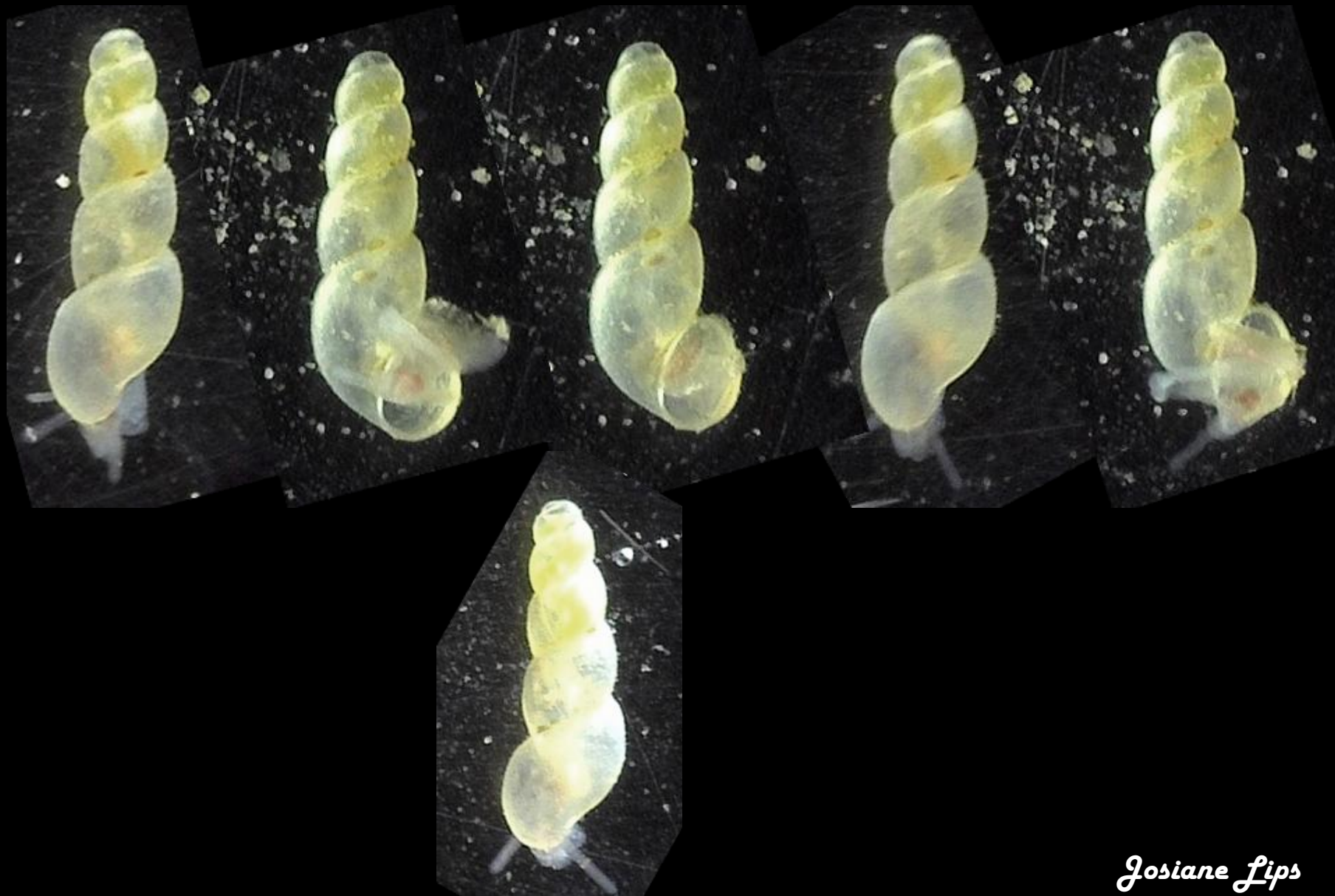
*Kainarella new sp.1*

Kharabulakh Spring

1,3 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



*Josiane Lips*



Littorinimorpha

Cochliopidae

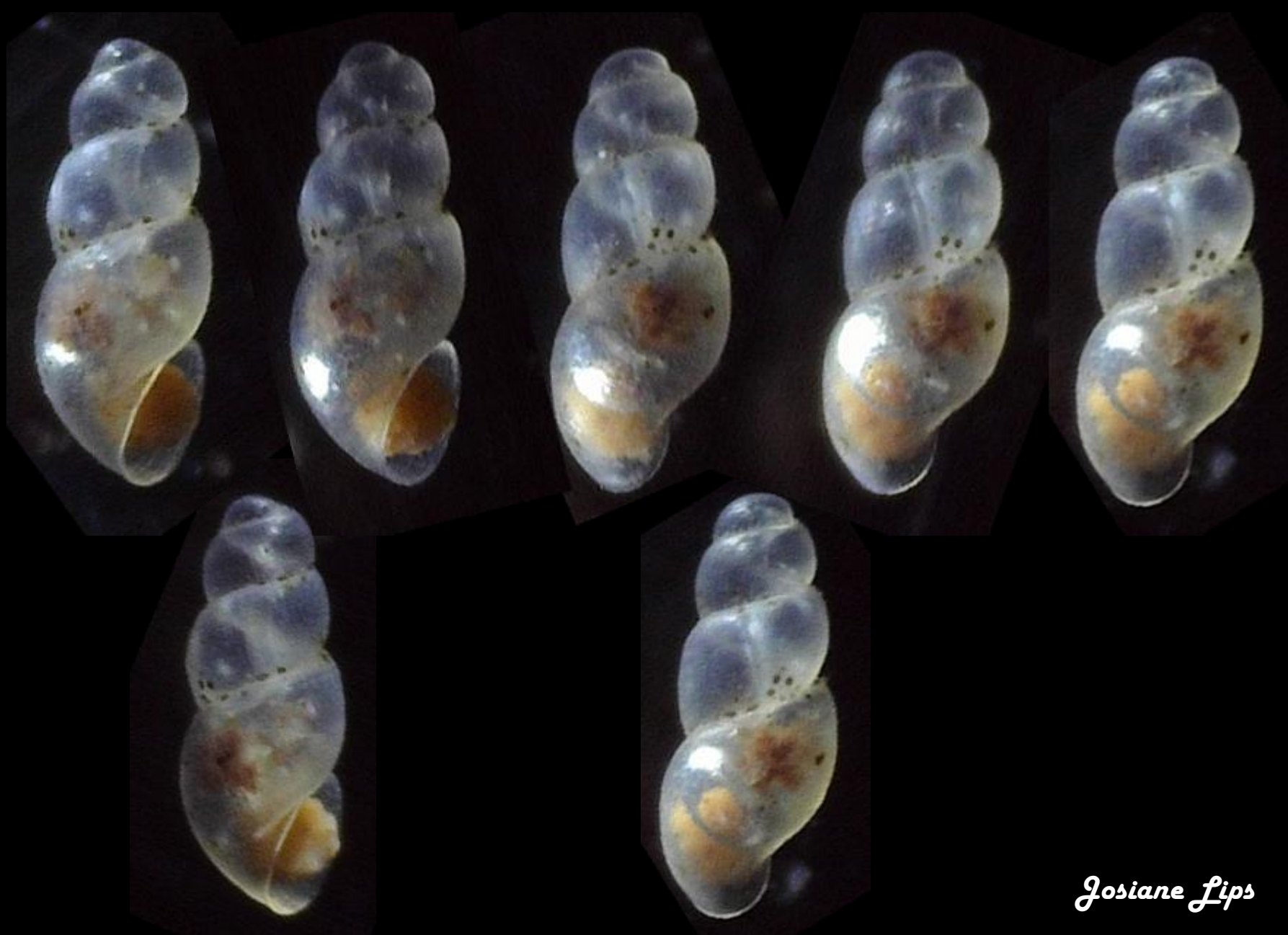
*Kainarella new sp.2*

Marzavide Ata (Aksun) Spring

1,4 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



*Josiane Lips*

Caenogastropoda

Cochliopidae

*Pseudocaspia ljevushkini*

Kaptarkhana

3 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



27681

*Josiane Lips*



Caenogastropoda

Hydrobiidae

*Martensamnicola new sp.1*

Marzavide Ata (Aksun) Spring

1,4 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



*Josiane Lips*

Caenogastropoda

Hydrobiidae

*Martensamnicola sp.1*

Koyten Springs

1,8 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



27681

*Jozef Grego*



Caenogastropoda

Hydrobiidae

*Martensamnicola sp.1*

Koyten Springs

1,8 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



27681

*Jozef Grego*

Caenogastropoda

Lymnaeidae

*Radix* sp.

Sow Oyuk Sinkhole

7 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



27681

*Jozef Grego*



Stylommatophora

Pupillidae

*Trincatellina cacicratis*

Gap Gotan

2 mm

Jozef Grego



G  
A  
S  
T  
R  
O  
P  
O  
D  
A

27722

*Josiane Lips*



Stylommatophora

Pupillidae

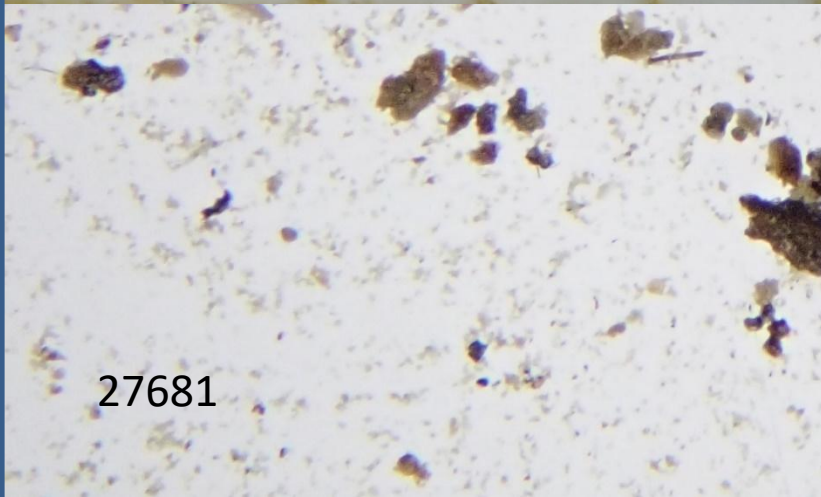
*Gibbulinopsis signata*.

Promezhutochnaya

4 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



27681

*Josiane Lips*



Stylommatophora

Pupillidae

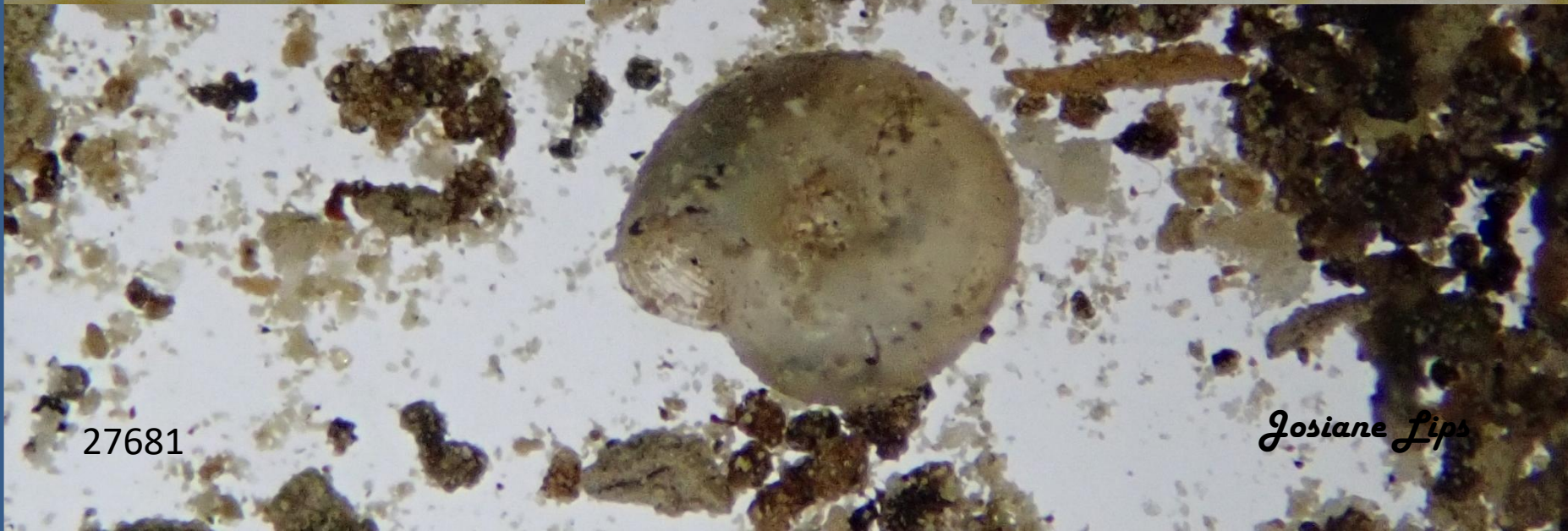
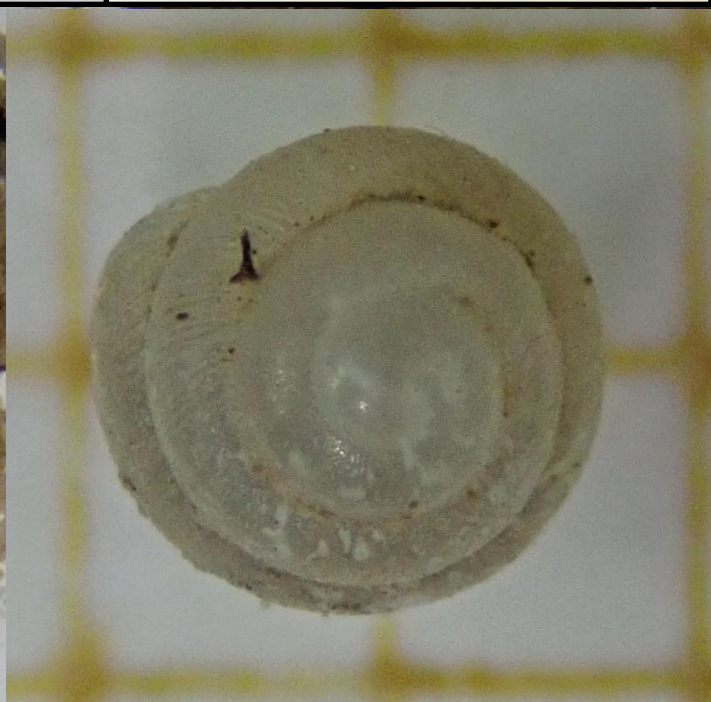
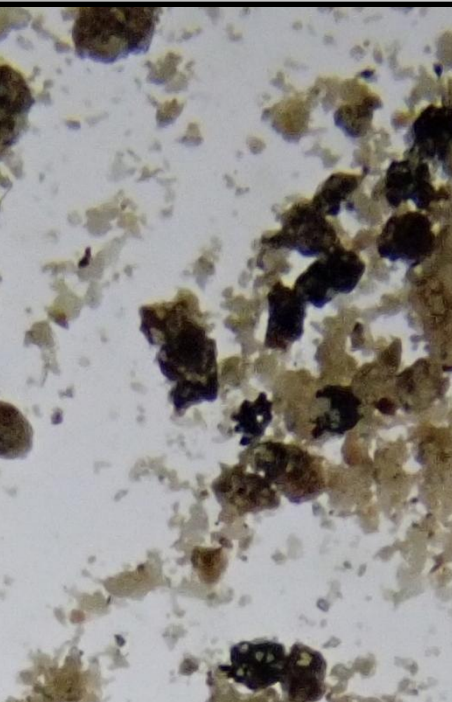
*Gibbulinopsis signata*. Juv.

Promezhutochnaya

2 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



27681

*Josiane Lips*



Stylommatophora

Chondrinidae

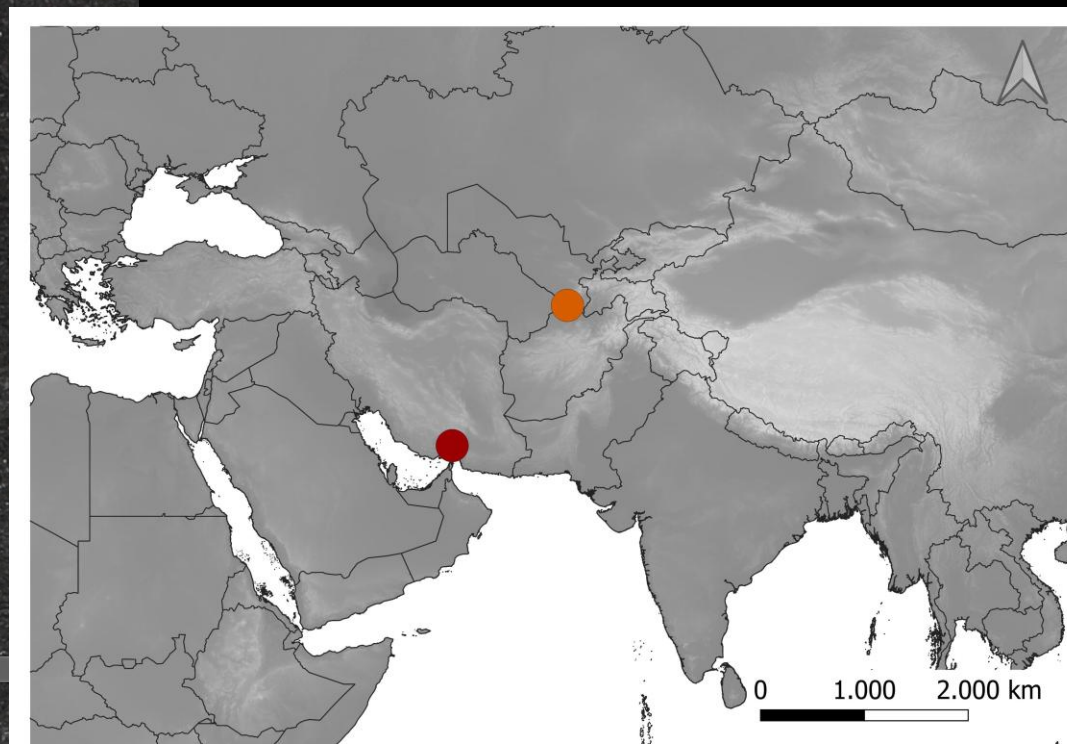
*Granopuppa persica*

Aksay spring

5 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



Stylommatophora

Enidae

*Pseudonapaeus eremita*

Verikalnaya

14 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A





Stylommatophora

Paramacellidae

*Candaharia aethiops*

Kirkgyz Cave

100 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A



Stylommatophora

Ariophantidae

*Macrochlamys kasanakowi*

Katakamov 1 mine

10 mm

Jozef Grego

G  
A  
S  
T  
R  
O  
P  
O  
D  
A





Ixodida (Acari)

Amblyommatidae

Gulshirin (Geophysicheskaya)

3 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



27746



*Josiane Lips*



Ixodida (Acari)

Argasidae ?

Kattakamov 2

4 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



30337



*Josiane Lips*



Ixodida (Acari)

Argasidae ?

Kaptarkhana

3 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



30517

*Josiane Lips*

Ixodida (Acari)

Kattakamov 3

8 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



30467



*Josiane Lips*



Mesostigmata (Acari)

Parasitidae

Promezhutochnaya

0,8 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



27607

*Josiane Lips*

Mesostigmata (Acari)

Spinturnicidae

Kaptarkhana

1 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



27545

*Josiane Lips*



Mesostigmata (Acari)

Kaptarkhana

0,5 mm

A  
R  
A  
C  
H  
N  
I  
D  
A

30581

*Josiane Lips*

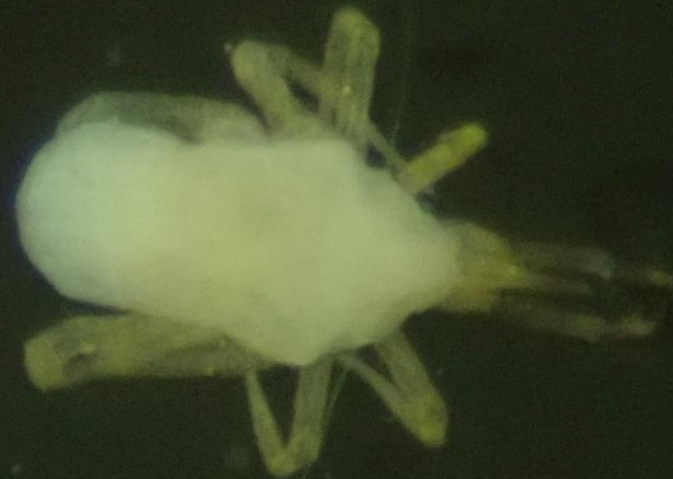


Mesostigmata (Acari)

Kaptarkhana

0,6 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



30581

*Josiane Lips*



Mesostigmata (Acari)

Kaptarkhana

1 mm

A  
R  
A  
C  
H  
N  
I  
D  
A

30532

*Josiane Lips*



Mesostigmata (Acari)

Kaptarkhana

0,7 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



30568

*Josiane Lips*



Mesostigmata (Acari)

Kaptarkhana

0,3 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



27557

*Bernard Lips*

Sarcoptiformes (Acari)

Kaptarkhana

1 mm

A  
R  
A  
C  
H  
N  
I  
D  
A

27533

*Josiane Lips*





Sarcoptiformes (Acari)

Gap-Gotan

0,8 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



27725

*Josiane Lips*

(Acari)

Kaptarkhana

0,2 mm

A  
R  
A  
C  
H  
N  
I  
D  
A

27565

*Josiane Lips*



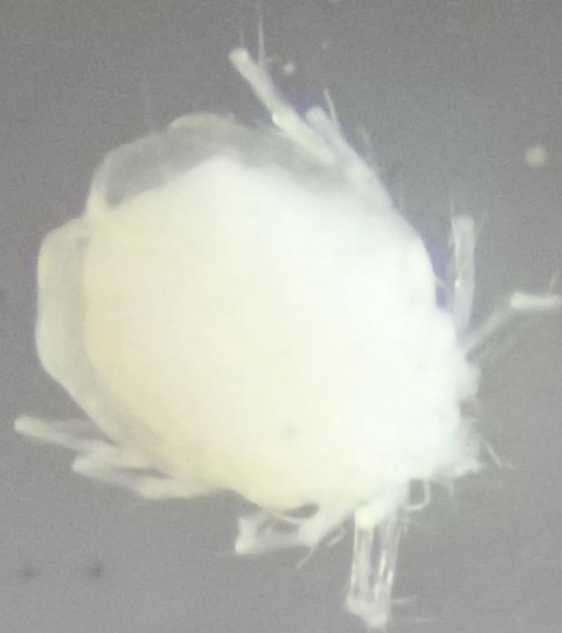


(Acari)

Gulshirin (Geophysicheskaya)

0,6 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



27736

*Josiane Lips*



Opiliones

Phalangiidae

*Phalangium* sp.

Promezhutochnaya

5 mm

Jochen Martens

A  
R  
A  
C  
H  
N  
I  
D  
A



27620

*Josiane Lips*



Pseudoscorpiones

Chernetidae

Kattakamov 2

2 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



30339

*Josiane Lips*



Pseudoscorpiones

Chernetidae

Gulshirin (Geophysicheskaya)

2 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



27743

*Josiane Lips*



Pseudoscorpiones

Chernetidae

Kaptarhana

4 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



27524

*Josiane Lips*



Pseudoscorpiones

Chernetidae

Kaptarhana

4 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



30325

*Bernard Lips*



Pseudoscorpiones

Chernetidae

Tush Yurruk

4 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



30387

*Josiane Fips*



Araneae

Agelenidae

Gulshirin (Geophysicheskaya)

1 cm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



*Josiane Lips*

27744



Araneae

Agelenidae

*Histopona* ?

Hashim-Oyuk

6 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



*Josiane Lips*

27701



Araneae

Filistatidae

*Filistata*

Kow Ata

1 cm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



30421



*Josiane Lips*



Araneae

Gnaphosidae

Kow Ata

1,5 cm

Marjan Komnenov



A  
R  
A  
C  
H  
N  
I  
D  
A

30425

*Josiane Lips*



Araneae

Linyphiidae

*Centromerus* ?

Kattakamov 1

2 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A

27480

*Josiane Lips*





Araneae

Linyphiidae

*Centromerus ?*

Kattakamov 1

2 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27480

*Josiane Lips*



Araneae

Linyphiidae

*Centromerus* ?


Kattakamov 2

2 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A

30346





Araneae

Linyphiidae

*Incestophantes ?*

Kaptarkhana

4 mm

Marjan Komnenov



A  
R  
A  
C  
H  
N  
I  
D  
A

27532

*Josiane Lips*



Araneae

Linyphiidae

*Incestophantes ?*

Kaptarkhana

3 mm

Marjan Komnenov



A  
R  
A  
C  
H  
N  
I  
D  
A

30529

*Josiane Lips*



Araneae

Linyphiidae

*Lepthyphantes* ?

Kaptarkhana

2 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27531

*Josiane Lips*



Araneae

Linyphiidae

*Paludiphantes*

Kaptarkhana

2 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27546



*Josiane Lips*



Araneae

Linyphiidae

*Tenuiphantes*

Hashim-Oyuk

4 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27695

*Josiane Lips*



Araneae

Linyphiidae

*Tenuiphantes*

Hashim-Oyuk

4 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27690

*Josiane Lips*



Araneae

Linyphiidae

*Tenuiphantes*

Gulshirin (Geophysicheskaya)

3 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



*Josiane Lips*

27749



Araneae

Linyphiidae

*Tenuiphantes*

Kattakamov 1

4 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27483

*Josiane Lips*



Araneae

Linyphiidae

*Tenuiphantes*

Promezhutochnaya

3 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



*Josiane Lips*

27617



Araneae

Linyphiidae

Gap-Gotan

3 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27706

*Josiane Lips*



Araneae

Linyphiidae

Promezhutochnaya

4 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27631

*Josiane Lips*



Araneae

Linyphiidae

Kaptarkhana

5 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



30328

*Bernard Lips*



Araneae

Linyphiidae

Gap-Gotan

3 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A

27704

*Josiane Lips*





Araneae

Liocranidae

Promezhutochnaya

4 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27661

*Josiane Lips*



Araneae

Liocranidae

Kow Ata

4 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



30427

*Josiane Lips*



Araneae

Liocranidae

Kaptarkhana

5 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27529

*Josiane Lips*



Araneae

Liocranidae

Kaptarkhana

5 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27561

*Josiane Lips*



Araneae

Liocranidae

Kaptarkhana

5 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



30328

*Bernard Lips*



Araneae

Nesticidae

Gulshirin (Geophysicheskaya)

2 mm

A  
R  
A  
C  
H  
N  
I  
D  
A



27742

*Josiane Lips*



Araneae

Pholcidae

*Pholcus*

Promezhutochnaya

8 mm

Josiane Lips

A  
R  
A  
C  
H  
N  
I  
D  
A



27616

*Josiane Lips*



Araneae

Pholcidae

*Pholcus*

Promezhutochnaya

8 mm

Josiane Lips

A  
R  
A  
C  
H  
N  
I  
D  
A



27587

*Josiane Lips*



Araneae

Pholcidae

*Pholcus*

Kaptarkhana

8 mm

Josiane Lips

A  
R  
A  
C  
H  
N  
I  
D  
A



27528



*Josiane Lips*



Araneae

Pholcidae

*Pholcus*

Promezhutochnaya

7 mm

Josiane Lips

A  
R  
A  
C  
H  
N  
I  
D  
A



27586

*Josiane Lips*



Araneae

Pholcidae

*Spermophora*

Gulshirin (Geophysicheskaya)

2 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27748

*Josiane Lips*



Araneae

Pholcidae

Hashim-Oyuk

2 mm

Marjan Komnenov



A  
R  
A  
C  
H  
N  
I  
D  
A

27691

*Josiane Lips*



Araneae

Pholcidae

Kattakamov 2

2 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



30549

*Josiane Lips*



Araneae

Scytodidae

*Scytodes*

Kow Ata

6 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



30422

*Josiane Lips*



Araneae

Sparassidae

Kattakamov 1

1,5 cm

A  
R  
A  
C  
H  
N  
I  
D  
A



27576\*

*Jostane Lips*



Araneae

Theridiidae

*Latrodectus*

Hashim-Oyuk

9 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27689

*Josiane Lips*



Araneae

Uloboridae

*Uloborus cf. plumipes*

Hashim-Oyuk

5 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



27692

*Josiane Lips*



Araneae

probably juvenile specimen

Kattakamov 2

3 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



30383

*Josiane Lips*



Araneae

probably juvenile specimen

Kow Ata

4 mm

Marjan Komnenov

A  
R  
A  
C  
H  
N  
I  
D  
A



30417

*Josiane Lips*



Araneae

Tush Yurruk

8 cm

A  
R  
A  
C  
H  
N  
I  
D  
A

30372

*Josiane Lips*





Copepoda

Cyclopidae

*Diacyclops bisetosus*

Kaptarkhana Cave

0,6 mm

Anton Brancelj

M  
A  
L  
A  
C  
O  
S  
T  
R  
A  
C  
A



30400

0.5 mm

*Josiane Lips*



Ostracoda

Kaptarkhana Cave

0,8 mm

M  
A  
L  
A  
C  
O  
S  
T  
R  
A  
C  
A



30400

1.0 mm

*Josiane Lips*



Isopoda

Asellidae

*Stenasellus asiaticus*

Gaynar-Baba

xx mm

Josiane Lips

M  
A  
L  
A  
C  
O  
S  
T  
R  
A  
C  
A





Isopoda

Stenasellidae

*Stenasellus asiaticus*

Kharabulak Spring

3 mm

Florian Malard

M  
A  
L  
A  
C  
O  
S  
T  
R  
A  
C  
A



30575

1.0 mm

*Josiane Lips*



Amphipoda

Gammaridae

*Troglogammarus sp.*

Kaynar Baba Spring

Jozef Grego

M  
A  
L  
A  
C  
O  
S  
T  
R  
A  
C  
A



30475

*Josiane Lips*  
*Josiane Lips*



Isopoda

Stenasellidae

*Stenasellus asiaticus*

Akbulak Spring

mm

Florian Malard

M  
A  
L  
A  
C  
O  
S  
T  
R  
A  
C  
A



*Josiane Lips*



Isopoda

Trichoniscidae

Gulshirin (Geophysicheskaya)

2 mm

M  
A  
L  
A  
C  
O  
S  
T  
R  
A  
C  
A



30355

*Josiane Lips*



Isopoda

Trichoniscidae

Gulshirin (Geophysicheskaya)

7 mm

M  
A  
L  
A  
C  
O  
S  
T  
R  
A  
C  
A



30355

*Josiane Lips*



Isopoda

Tush Yurruk

7 mm

M  
A  
L  
A  
C  
O  
S  
T  
R  
A  
C  
A



30390

*Josiane Lips*



Isopoda

Kow Ata

8 mm

M  
A  
L  
A  
C  
O  
S  
T  
R  
A  
C  
A



30410

*Josiane Lips*



Isopoda

Tush Yurruk

4 mm

M  
A  
L  
A  
C  
O  
S  
T  
R  
A  
C  
A



30392

*Josiane Lips*



Geophilomorpha

Kaptarkhana

7 cm

C  
H  
I  
L  
O  
P  
O  
D  
A

30320

*Bernard Lips*





Lithiobiomorpha

Lithobiidae

*cf. Lithobius*

Tazacharva

2,5 cm

Josiane Lips

C  
H  
I  
L  
O  
P  
O  
D  
A

27574

*Bernard Lips*





Callipoda

Caspiopetalidae

*Bollmania* ?

Gulshirin (Geophysicheskaya)

1,8 cm

Pavel Stoev



27738



27745

*Josiane Lips*

D  
I  
P  
L  
O  
P  
O  
D  
A



Callipoda

Caspiopetalidae

Gulshirin (Geophysicheskaya)

2 cm

D  
I  
P  
L  
O  
P  
O  
D  
A



27757

*Josiane Lips*



Gulshirin (Geophysicheskaya)

3 mm

M  
Y  
R  
I  
A  
P  
O  
D  
A



27745

*Josiane Lips*



Diplura

Campodeidae

*Podocampa*

Kattakamov 2

4 mm

Alberto Sendra

H  
E  
X  
A  
P  
O  
D  
A  
-  
D  
I  
P  
L  
U  
R  
A



30330

*Josiane Lips*



Diplura

Japygidae

*Japyx*

Kattakamov 2

4 mm

*Alberto Sendra*

H  
E  
X  
A  
P  
O  
D  
A  
-  
D  
I  
P  
L  
U  
R  
A



30340

*Josiane Lips*



Entomobryomorpha

Entomobryidae

Gap-Gotan

1,5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
C  
O  
L  
L  
E  
M  
B  
O  
L  
A



*Josiane Lips*

27713



Entomobryomorpha

Entomobryidae

Promezhutochnaya

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
C  
O  
L  
L  
E  
M  
B  
O  
L  
A



27674

*Josiane Lips*



Entomobryomorpha

Entomobryidae

Promezhutochnaya

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
C  
O  
L  
L  
E  
M  
B  
O  
L  
A



27583

*Josiane Lips*



Entomobryomorpha

Entomobryidae

Kattakamov 1

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
C  
O  
L  
L  
E  
M  
B  
O  
L  
A



*Josiane Lips*

27478



Entomobryomorpha

Entomobryidae

Kattakamov 1

1 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
C  
O  
L  
L  
E  
M  
B  
O  
L  
A



27478

*Josiane Lips*



Entomobryomorpha

Entomobryidae

Kaptarkhana

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
C  
O  
L  
L  
E  
M  
B  
O  
L  
A



27548

*Josiane Lips*



Entomobryomorpha

Entomobryidae

Kapttakamov 2

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
C  
O  
L  
L  
E  
M  
B  
O  
L  
A



30553

*Josiane Lips*



Entomobryomorpha

Entomobryidae

Kapttakamov 3

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
C  
O  
L  
L  
E  
M  
B  
O  
L  
A



30470

*Josiane Lips*



Poduomorpha

Onychiuridae

Kattakamov 2

0,8 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
C  
O  
L  
L  
E  
M  
B  
O  
L  
A



30543

*Josiane Lips*



Poduomorpha

Neanuridae

Kattakamov 1

0,5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
C  
O  
L  
L  
E  
M  
B  
O  
L  
A



*Josiane Lips*

27481



Zygentoma

Kattakamov 1

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27482

*Josiane Lips*



Psocodea

Psyllipsocidae

*Psyllipsocus*

Gap-Gotan

1 mm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27710

*Josiane Lips*



Psocodea

Psyllipsocidae

*Psyllipsocus*

Kaptarkhana

1 mm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27520

*Josiane Lips*



Psocodea

Tush Yurruk

5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30379

*Josiane Lips*



Lepidoptera

Noctuidae

Gulshirin (Geophysicheskaya)

2 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27740

*Josiane Lips*



Lepidoptera

Noctuidae

Promezhutochnaya

2 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27651

*Josiane Lips*



Lepidoptera

Noctuidae

Promezhutochnaya

2,5 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27589

*Josiane Lips*



Lepidoptera

Noctuidae

Promezhutochnaya

2,5 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27651

*Josiane Lips*



Lepidoptera

Noctuidae

Promezhutochnaya

1,5 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27683

*Josiane Lips*



Lepidoptera

Saturniidae

*Saturnia*

Kattakamov 3

3 cm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30336



*Josiane Lips*



Lepidoptera

Tineidae

Hashim-Oyuk

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27694

*Josiane Lips*



Lepidoptera

Tineidae

Promezhutochnaya

5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27653

*Josiane Lips*



Lepidoptera

Tineidae

Kaptarkhana

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27525

*Josiane Lips*



Lepidoptera

Tineidae

Kaptarkhana

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27558

*Josiane Lips*



Lepidoptera

Tineidae

Tush Yurruk

8 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30381

*Josiane Lips*



Lepidoptera

Tush Yurruk

1,5 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30388

*Josiane Lips*



Lepidoptera

Tush Yurruk

1,5 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30385

*Josiane Lips*



Lepidoptera

Tush Yurruk

1,5 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30384

*Josiane Lips*



Lepidoptera

Hashim-Oyuk

7 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27693

*Josiane Lips*



Lepidoptera

Gulshirin (Geophysicheskaya)

8 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27739

*Josiane Lips*



Lepidoptera

Gap-Gotan

6 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27703

*Josiane Lips*



Trichoptera

Limnephilidae

Gulshirin (Geophysicheskaya)

1,5 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27747

*Josiane Lips*



Hemiptera

Aphididae

Promezhutochnaya

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27618

*Josiane Lips*



Hemiptera

Cicadellidae

Gulshirin (Geophysicheskaya)

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27758\*

*Josiane Lips*



Hemiptera

Reduviidae

Tush Yurruk

5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30382

*Josiane Lips*



Hymenoptera

Braconidae

Kaptarkhana

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27563

*Josiane Lips*



Hymenoptera

Diapriidae

Kattakamov 1

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27472



*Josiane Lips*



Hymenoptera

Formicidae

Promezhutochnaya

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27579

*Josiane Lips*



Hymenoptera

Kow Ata

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30429

*Josiane Lips*



Hymenoptera

Mumiaskaya

1,5 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30401

*Josiane Lips*



Diptera

Anthomyiidae

Promezhutochnaya

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27622



*Josiane Lips*



Diptera

Anthomyiidae

Gap-Gotan

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27721

*Josiane Lips*



Diptera

Anthomyiidae

Promezhutochnaya

5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27664

*Josiane Lips*



Diptera

Anthomyzidae

Promezhutochnaya

2,5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27666



*Josiane Lips*



Diptera

Calliphoridae

Promezhutochnaya

1 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27629

*Josiane Lips*



Diptera

Calliphoridae

Kattakamov 1

9 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27476

*Josiane Lips*



Diptera

Chamaemyiidae

Promezhutochnaya

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27625



*Josiane Lips*



Diptera

Chamaemyiidae

Promezhutochnaya

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27646

*Josiane Lips*



Diptera

Chamaemyiidae

Promezhutochnaya

3 mm

HEXAPODA - INSECTA



27596

*Josiane Lips*



Diptera

Chironomidae

Kutuzov

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30393

*Josiane Lips*



Diptera

Chloropidae

Promezhutochnaya

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27605

*Josiane Lips*



Diptera

Culicidae

*cf. Culex*

Gulshirin (Geophysicheskaya)

5 mm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27753

*Josiane Lips*



Diptera

Culicidae

*cf. Culex*

Kattakamov 1

5 mm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27471

*Josiane Lips*



Diptera

Dixidae

*Dixella*

Promezhutochnaya

4 mm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27659

*Josiane Lips*



Diptera

Dixidae

*Dixella*

Kattakamov 1

5 mm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27485

*Josiane Lips*



Diptera

Drosophilidae

Kaptarkhana

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30308

*Josiane Lips*



Diptera

Fanniidae

Kaptarkhana

6 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27519

*Josiane Lips*



Diptera

Fanniidae

Kaptarkhana

6 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27522

*Josiane Lips*



Diptera

Fanniidae

Kaptarkhana

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27539

*Josiane Lips*



Diptera

Fanniidae

Kaptarkhana

1 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27555

*Josiane Lips*



Diptera

Heleomyzidae

*Oecothea*

Promezhutochnaya

4 mm

Ruud van der Weele

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27598

*Josiane Lips*



Diptera

Heleomyzidae

*Oecothea*

Promezhutochnaya

4 mm

Ruud van der Weele

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27667

*Josiane Lips*



Diptera

Heleomyzidae

*Oecothea*

Kattakamov 1

5 mm

Ruud van der Weele

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27501

*Josiane Lips*



Diptera

Heleomyzidae

*Oecothea*

Kattakamov 1

6 mm

Ruud van der Weele

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27502

*Josiane Lips*



Diptera

Heleomyzidae

Oecothoa

Kattakamov 1

5 mm

Ruud van der Weele

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27474

*Josiane Lips*



Diptera

Heleomyzidae

*Oecothoa*

Kattakamov 1

6 mm

Ruud van der Weele

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27473

*Josiane Lips*



Diptera

Heleomyzidae

Promezhutochnaya

6 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27656

*Josiane Lips*



Diptera

Hippoboscidae

Kow Ata

8 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30428

*Josiane Lips*



Diptera

Muscidae

Gulshirin (Geophysicheskaya)

6 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27754

*Josiane Lips*



Diptera

Muscidae

Promezhutochnaya

8 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27657

*Josiane Lips*



Diptera

Mycetophilidae

Promezhutochnaya

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27650

*Josiane Lips*



Diptera

Mycetophilidae

Kattakamov 1

5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27509

*Josiane Lips*



Diptera

Mycetophilidae

Kattakamov 1

5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27484

*Josiane Lips*



Diptera

Mycetophilidae

Kattakamov 1

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27484

*Josiane Lips*



Diptera

Nycteribiidae

*Penicillidia dufourii*

Kaptarkhana

4 mm

Ruud van der Weele

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



*Josiane Lips*

27518



Diptera

Nycteribiidae

*Penicillidia dufourii*

Kaptarkhana

4 mm

Ruud van der Weele

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30305

*Josiane Lips*



Diptera

Nycteribiidae

*Stylidia* ?

Kaptarkhana

3 mm

Ruud van der Weele

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



*Josiane Lips*

27559



Diptera

Nycteribiidae

*Stylidia* ?

Kaptarkhana

2 mm

Ruud van der Weele

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



*Bernard Lips*

27523



Diptera

Nycteribiidae

Kaptarkhana

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

27572

*Josiane Lips*





Diptera

Phoridae

Promezhutochnaya

2,5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27645



*Josiane Lips*



Diptera

Phoridae

Promezhutochnaya

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27660

*Josiane Lips*



Diptera

Psychodidae

Kattakamov

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27495

*Josiane Lips*



Diptera

Rhagionidae

Kattakamov 2

5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30331

*Josiane Lips*



Diptera

Scathophagidae

Promezhutochnaya

6 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27644

*Josiane Lips*



Diptera

Scathophagidae

Promezhutochnaya

6 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27612

*Josiane Lips*



Diptera

Sciaridae

Promezhutochnaya

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27663

*Josiane Lips*



Diptera

Sciaridae

Kattakamov 2

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30347

*Josiane Lips*



Diptera

Sciaridae

Kaptarkhana

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30327

*Bernard Lips*



Diptera

Sciaridae

Kaptarkhana

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30366

*Bernard Lips*



Diptera

Sciaridae

Kow Ata

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30413

*Josiane Lips*



Diptera

Sepsidae

*cf. Sepsis*

Promezhutochnaya

3 mm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27626



27601

*Josiane Lips*



Diptera

Simuliidae

Promezhutochnaya

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27654



*Josiane Lips*



Diptera

Simuliidae

Hashim-Oyuk

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27687

*Josiane Lips*



Diptera

Sphaeroceridae

*Leptocera caenosa*

Promezhutochnaya

2 mm

David Brice

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27613

*Josiane Lips*



Diptera

Sphaeroceridae

*Rachispoda*

Kattakamov 1

3 mm

David Brice

Nouvelle espèce pour la science ?

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

27500

*Josiane Lips*





Diptera

Sphaeroceridae

*Rachispoda*

Kattakamov 1

3 mm

David Brice

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27492

*Josiane Lips*



Diptera

Sphaeroceridae

*Spelobia pseudosetaria*

Promezhutochnaya

2 mm

David Brice

New to Turkmenistan ?



H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

27662

*Josiane Lips*



Diptera

Sphaeroceridae

Kutuzov

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30398

*Josiane Lips*



Diptera

Syrphidae

Promezhutochnaya

1 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27602

*Josiane Lips*



Diptera

Syrphidae

Promezhutochnaya

7 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27652



*Josiane Lips*



Diptera

Kow Ata

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30414

*Josiane Lips*



Diptera

Kaptarkhana

1 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

27554

*Josiane Lips*





Coleoptera

Anobiidae

Gulshirin (Geophysicheskaya)

2,5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27741

*Josiane Lips*



Coleoptera

Buprestidae

Trou des Russes

3 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30537

*Josiane Lips*



Coleoptera

Carabidae

*Laemostenus* sp.

Gap-Gotan

7 mm

Roman Lohaj

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27762\*

*Josiane Lips*



Coleoptera

Carabidae

Promezhutochnaya

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27603

*Josiane Lips*



Coleoptera

Carabidae

Promezhutochnaya

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27643

*Josiane Lips*



Coleoptera

Carabidae

Kattakamov 1

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27489

*Josiane Lips*



Coleoptera

Carabidae

Tush Yurruk

1,4 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

30587

*Josiane Lips*





Coleoptera

Carabidae

Tush Yurruk

1,6 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

30586

*Josiane Lips*





Coleoptera

Carabidae

Kattakamov 1

4 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

27573

*Josiane Lips*





Coleoptera

Dermestidae

Tush Yurruk

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30374

*Josiane Lips*



Coleoptera

Histeridae

Kow Ata

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30420

*Josiane Lips*



Coleoptera

Latridiidae

*Corticaria wolfgangrueckeri*

Kaptarkhana

2 mm

Josiane Lips



27543

*Josiane Lips*

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



Coleoptera

Ptinidae

*Niptus hololeucus*

Gap-Gotan

3 mm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27526

*Josiane Lips*



Coleoptera

Ptinidae

*Niptus hololeucus*

Kaptarkhana

3 mm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27526

*Josiane Lips*



Coleoptera

Ptinidae

Kow Ata

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

30412

*Josiane Lips*





Coleoptera

Scarabaeidae

Gulshirin (Geophysicheskaya)

7 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30317

*Josiane Lips*



Coleoptera

Staphylinidae

Promezhutochnaya

2 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27655

*Josiane Lips*



Coleoptera

Staphylinidae

Promezhutochnaya

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27635

*Josiane Lips*



Coleoptera

Staphylinidae

Kattakamov 1

4 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

27508

*Josiane Lips*





Coleoptera

Staphylinidae

Promezhutochnaya

5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27641

*Josiane Lips*



Coleoptera

Staphylinidae

Kattakamov 1

7 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27498

*Josiane Lips*



Coleoptera

Staphylinidae

Kattakamov 1

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

27490

*Josiane Lips*





Coleoptera

Staphylinidae

Kutuzov

3 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30396

*Josiane Lips*



Coleoptera

Staphylinidae

*cf. Quedius*

Kattakamov 1

8 mm

Josiane lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

27512

*Josiane Lips*





Coleoptera

Tenebrionidae

*Akis*

Promezhutochnaya

2,3 cm

Josiane lips

HEXAPODA - INSECTA



27627

*Josiane Lips*



Coleoptera

Tenebrionidae

Akis

Tush Yurruk

3 cm

Josiane lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30373

*Josiane Lips*



Coleoptera

Tenebrionidae

*Blaps desplaneta*

Kow Ata

2 cm

Jozef Grego

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

30433

*Josiane Lips*





Coleoptera

Tenebrionidae

*Blaps*

Promezhutochnaya

2 cm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27658

*Josiane Lips*



Coleoptera

Tenebrionidae

*Blaps*

Tush Yurruk

2,5 cm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30584

*Josiane Lips*



Coleoptera

Tenebrionidae

*Blaps*

Tush Yurruk

3 cm

Josiane Lips



H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

30585

*Josiane Lips*



Coleoptera

Tenebrionidae

*cf. Blaps*

Kattakamov 1

3,5 cm

Josiane Lips



H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

27511

*Josiane Lips*



Coleoptera

Tenebrionidae

*Leptodes*

Hashim-Oyuk

9 mm

Arnaud Faille

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27685

*Josiane Lips*



Coleoptera

Tenebrionidae

*cf. Pimelia*

Hashim-Oyuk

1,5 cm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



27686

*Josiane Lips*



Coleoptera

Tenebrionidae

Mumiaskaya

8 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30402

*Josiane Lips*



Coleoptera

Tenebrionidae

Kow Ata

8 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

30424

*Josiane Lips*





Coleoptera

Tenebrionidae

*Dichillus cordicollis*

Kattakamov 2

5 mm

Wolfgang Schawaller

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30334

*Josiane Lips*



Blattodea

Blattidae

Shelfordella lateralis

Kow Ata

2 cm

Josiane Lips

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30415

*Josiane Lips*



Blattodea

Corydiidae

Kow Ata

2,7 cm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

30431

*Josiane Lips*





Siphonaptera ?

Kaptarkhana

1 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A

30569

*Josiane Lips*

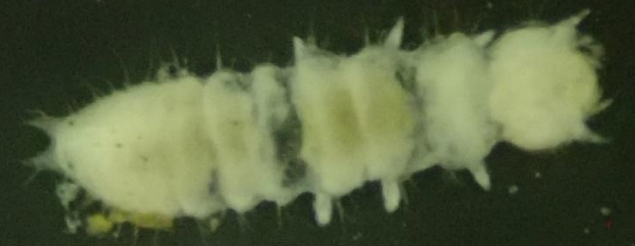




Kutuzov

1,5 mm

H  
E  
X  
A  
P  
O  
D  
A  
-  
I  
N  
S  
E  
C  
T  
A



30541

*Josiane Lips*



Chiroptera

Rhinolophidae

*Rhinolophus bocharicus*

Kaptarkhana

Astghik Ghazaryan

M  
A  
M  
M  
A  
L  
I  
A



30364

*Bernard Lips*



Chiroptera

Rhinolophidae

*Rhinolophus ferrumequinum*

Kaptarkhana

Christian Dietz

M  
A  
M  
M  
A  
L  
I  
A



30364

*Bernard Lips*



Chiroptera

Rhinolophidae

Kaptarkhana

M  
A  
M  
M  
A  
L  
I  
A



30364

*Bernard Lips*



Rodentia

Hystricidae

*Hystrix indicus*

Gap-Gotan

Josiane Lips

M  
A  
M  
M  
A  
L  
I  
A



27761



*Josiane Lips*



Kattakamov 2

A  
V  
E  
S

30333

*Josiane Lips Lips*





Colombidiformes

Columbidae

*Columba livia*

Tush Yurruk

Jozef Grego

A  
V  
E  
S



30378

*Josiane Lips*



Vermiculations

Gulshirin (Geophysicheskaya)

A  
C  
T  
I  
N  
O  
B  
A  
C  
T  
E  
R  
I  
A



27759

*Josiane Lips*



Vermiculations

Gulshirin (Geophysicheskaya)

A  
C  
T  
I  
N  
O  
B  
A  
C  
T  
E  
R  
I  
A

27759

*Josiane Lips*





Vermiculations

Gulshirin (Geophysicheskaya)

A  
C  
T  
I  
N  
O  
B  
A  
C  
T  
E  
R  
I  
A



30352

*Josiane Lips*



Moumia

Tush Yurruk

B  
A  
C  
T  
E  
R  
I  
A

30380

*Josiane Lips*





Hashim-Oyuk

M  
Y  
C  
E  
T  
E  
S



27697

*Josiane Lips*



Kaptarkhana

M  
Y  
C  
E  
T  
E  
S



27570

*Josiane Lips*



Kaptarkhana

M  
Y  
C  
E  
T  
E  
S



27570

*Josiane Lips*



Kutuzov

M  
Y  
C  
E  
T  
E  
S



30397

*Josiane Lips*



Gulshirin (Geophysicheskaya)

M  
Y  
C  
E  
T  
E  
S



30356

*Josiane Lips*



Kattakamov 2

M  
Y  
C  
E  
T  
E  
S



30345

*Josiane Lips*



Hashim-Oyuk

M  
Y  
C  
E  
T  
E  
S

27697

*Josiane Lips*



Mucorales

Pilobolaceae ?

Kattakamov 1

M  
U  
C  
O  
R  
O  
M  
Y  
C  
E  
T  
E  
S



27496

*Josiane Lips*



Kattakamov 1

M  
Y  
C  
E  
T  
E  
S

27496

*Josiane Lips*





Kattakamov 1

M  
Y  
C  
E  
T  
E  
S



*Josiane Lips*

27496



Kattakamov 1

2 mm

M  
Y  
C  
E  
T  
E  
S



27496

*Josiane Lips*



Kattakamov 1

M  
Y  
C  
E  
T  
E  
S

27496

*Josiane Lips*





# Diaporama : Josiane Lips et Jozef Grego

