

Left up

1 Bdellidae
1-1: <i>Bdellodes iranensis</i> Ueckermann <i>et al.</i> , 2007 (Paratype male) (SRB-2001-5) (ARS-20191021-2b)
1-2: <i>Bdellodes iranensis</i> Ueckermann <i>et al.</i> , 2007 (Paratype female) (SRB-2001-2) (ARS-20191021-2c)
1-3: <i>Bdellodes iranensis</i> Ueckermann <i>et al.</i> , 2007 (Paratype protonymph) (SRB-2001-3) (ARS-20191021-2d)
1-4: <i>Bdellodes iranensis</i> Ueckermann <i>et al.</i> , 2007 (Paratype protonymph) (SRB-2001-4) (ARS-20191021-2e)

2 Calyptostomatidae, Stigmaeidae
2-1: <i>Stigmocheylus persicus</i> Damavandian & Paktinat-Saeij, 2018 (Paratype female) (ARS-20200831-2b)
2-2 to 2-4: <i>Eustigmaeus caspianensis</i> Bagheri & Paktinat Saeij, 2014 (Paratype females) (ARS-20141122-1b to 1d)
2-5: <i>Cheylostigmaeus sepasgosariani</i> Bagheri <i>et al.</i> , 2014 (Holotype female) (ARS-20150817-1a)
2-6: <i>Cheylostigmaeus sepasgosariani</i> Bagheri <i>et al.</i> , 2014 (Paratype female) (ARS-20150817-1b)
2-7 to 2-8: <i>Stigmaeus isfahanensis</i> Bagheri <i>et al.</i> , 2014 (Paratype female) (ARS-20150817-2b to 2c)
2-9: <i>Calyptostoma gorganica</i> Saboori <i>et al.</i> , 2012 (Holotype larva) (ARS-20101223-1a)
2-10: <i>Calyptostoma gorganica</i> Saboori <i>et al.</i> , 2012 (Paratype larva) (ARS-20101223-1b)
2-11: <i>Calyptostoma seemani</i> Masoumi & Saboori, 2020 (Holotype larva) (ARS-20191124-1a)
2-12 to 2-16: <i>Calyptostoma seemani</i> Masoumi & Saboori, 2020 (Paratype larvae) (ARS-20191124-1b to 1f)
2-17 to 2-18: <i>Calyptostoma seemani</i> Masoumi & Saboori, 2020 (Paratype deutonymph) (ARS-20191124-1g, 1h)
2-19: <i>Calyptostoma seemani</i> Masoumi & Saboori, 2020 (Paratype female) (ARS-20191124-1k)
2-20: <i>Calyptostoma seemani</i> Masoumi & Saboori, 2020 (Paratype male) (ARS-20191124-1j)

3 Caligonellidae, Cheyletidae, Caeculidae and Cryptognathidae
3-1: <i>Coptocheles farsiensis</i> Ueckermann <i>et al.</i> , 2010 (Holotype) (ARS-20070101-5)
3-2: <i>Favognathus hyrcanensis</i> Shirinbeik Mohajer & Bagheri, 2014 (Holotype) (ARS-20150817-3a)
3-3: <i>Favognathus hyrcanensis</i> Shirinbeik Mohajer & Bagheri, 2014 (Paratype) (ARS-20150817-3b)
3-4: <i>Favognathus farshchiani</i> Jafari <i>et al.</i> , 2014 (Holotype) (ARS-20140613-1a)

- 3-5 to 3-6: *Favognathus farshchiani* Jafari *et al.*, 2014 (Paratype) (ARS-20140613-1b to 1c)
 3-7: *Bak iranica* Paktinat-Saeij *et al.*, 2017 (Paratype male) (ARS-20200831-1b)
 3-8: *Allocaeculus sirwani* Paktinat-Saeij & Ghobari, 2020 (Holotype female) (ARS-20200831-3a)

4

Trombiculidae, Walchiidae

- 4-1: *Schoengastiella (Durenella) irani* Wen & Saboori, 2004 (Paratype larva) (ARS-20040101-1b)
 4-2: *Schoengastia (Priomesochela) persica* Wen *et al.*, 2012 (Holotype larva) (ARS-20110305-1)
 4-3 to 4-4: *Odontacarus scorpionivorus* Stekolnikov & Saboori, 2019 (Paratype larvae) (ARS-20200629-1b to 1c)

5

Trombidiidae

- 5-1: *Allothrombium clavatum* Saboori *et al.*, 2009 (Holotype larva) (ARS-20090411-1a)
 5-2: *Paratrombium farnazae* Noei *et al.*, 2015 (Holotype larva) (ARS-20130517-1a)
 5-3 to 5-8: *Paratrombium farnazae* Noei *et al.*, 2015 (Paratype larvae) (ARS-20130517-1b to 1g)
 5-9: *Cicaditrombium lorestanensis* Noei, 2017 (Holotype larva) (ARS-20170305-2a)
 5-10 to 5-11: *Cicaditrombium lorestanensis* Noei, 2017 (Paratype larvae) (ARS-20170305-2b to 2c)

6

F: Podothrombiidae

- 6-1: *Podothrombium zlatarum* Saboori *et al.*, 2015 (Holotype larva) (ARS-20130517-1a)
 6-2 to 6-4: *Podothrombium zlatarum* Saboori *et al.*, 2015 (Paratype larvae) (ARS-20130517-1b to 1d)

7

F: Trombidiidae

- 7-1: *Dolichotrombium raphanicum* (Saboori, Bagheri & Haddad Irani-nejad, 2005) (Holotype larva) (ARS-20042228-1a)
 7-2 to 7-5: *Dolichotrombium raphanicum* (Saboori, Bagheri & Haddad Irani-nejad, 2005) (Paratype larvae) (ARS-20042228-1d to 1g)
 7-6: *Iranitrombium miandoabicum* Saboori & Hajiqanbar, 2003 (Holotype larva) (ARS-20020704-1a)
 7-7 to 7-8: *Iranitrombium miandoabicum* Saboori & Hajiqanbar, 2003 (Paratype larvae) (ARS-20020704-1b & 1c)
 7-9: *Oskootrombium prasadi* Saboori, Bagheri & Haddad Irani-nejad, 2006 (Holotype larva) (ARS-20042228-1a)
 7-10: *Oskootrombium prasadi* Saboori, Bagheri & Haddad Irani-nejad, 2006 (Paratype larva) (ARS-20130526-1b)

7-11: *Trombidium barooghii* Saboori & Haddad Irani-nejad, 2007 (Holotype larva)
(ARS-20061111-1a)

7-12: *Trombidium barooghii* Saboori & Haddad Irani-nejad, 2007 (Paratype larva)
(ARS-20061111-1b)

7-13: *Trombidium payamiensis* Saboori, Lotfollahi & Haddad Irani-nejad, 2008 (Holotype)
(ARS-20080519-1)

8

F: Achaemenothrombiidae

8-1: *Achaemenothrombium talebii* Karimi-Iravanlou *et al.*, 2001 (Holotype larva) (ARS-20100224-2)

8-2: *Achaemenothrombium cyrusi* Saboori *et al.*, 2010 (Holotype larva) (ARS-20100224-1a)

8-3: *Achaemenothrombium dariusi* Saboori *et al.*, 2013 (Holotype larva) (ARS-20130205-1a)

8-4 to 8-7: *Achaemenothrombium dariusi* Saboori *et al.*, 2013 (Paratype larva) (ARS-20130205-1b to 1e)

9

F: Erythraeidae

9-1: *Charletonia stekolnikovi* Hakimitabar & Saboori, 2011 (Holotype larva)
(ARS-20100816-1a)

9-2: *Charletonia stekolnikovi* Hakimitabar & Saboori, 2011 (Paratype larva)
(ARS-20100816-1b)

9-3: *Charletonia baluchestanica* Tashakor & Hakimitabar, 2015 (Paratype larva) (ARS-20131201-3b)

9-4: *Charletonia behshahriensis* Hakimitabar & Saboori, 2014 (Holotype larva) (ARS-20140702-1a)

9-5 to 9-7: *Charletonia behshahriensis* Hakimitabar & Saboori, 2014 (Paratype larva) (ARS-20140702-1b to 1d)

9-8: *Charletonia shahriari* Saboori *et al.*, 2012 (Neotype larva) (ARS-20200903-1a)

10

F: Erythraeidae

10-1: *Abrolophus petanovicae* Saboori *et al.*, 2012 (Holotype larva) (ARS-20110815-2a)

10-2 to 10-5: *Abrolophus petanovicae* Saboori *et al.*, 2012 (Paratype larva) (ARS-20110815-2b to 2e)

10-6: *Marantelophus sanandajensis* Hakimitabar & Saboori, 2015 (Holotype larva) (ARS-20140620-1a)

10-7 to 10-8: *Marantelophus sanandajensis* Hakimitabar & Saboori, 2015 (Paratype larvae)
(ARS-20140620-1b & 1d)

10-9: *Momorangia binaloudensis* Noei & Saboori, 2015 (Holotype larva) (ARS-20150306-1a)

10-10: *Momorangia binaloudensis* Noei & Saboori, 2015 (Paratype larvae) (ARS-20150306-1b)

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F: **Erythraeidae**

11-1: *Eatoniana gonabadensis* Ahmadi, Hajiqanbar & Saboori, 2012 (Holotype larva) (ARS-20131127-2a)

11-2 to 11-3: *Eatoniana gonabadensis* Ahmadi, Hajiqanbar & Saboori, 2012 (Paratype larvae) (ARS-20131127-2b to 2c)

11-4: *Erythraeus (Zaracarus) hafezi* Saboori, Hakimitabar & Mahmoudi, 2014 (Holotype larva) (ARS-20120208-1a)

11-5 to 11-7: *Erythraeus (Zaracarus) hafezi* Saboori, Hakimitabar & Mahmoudi, 2014 (Paratype larva) (ARS-20120208-1b to 1d)

11-8: *Erythraeus (Zaracarus) ueckermanni* Saboori *et al.*, 2004 (Holotype larva) (ARS-20030602-1)

12

F: **Johnstonianidae**

12-1: *Diplothrombium sahragardi* Noei & Saboori 2014 (Holotype larva) (ARS-20131003-1a)

12-2 to 12-6: *Diplothrombium sahragardi* Noei & Saboori 2014 (Paratype larva) (ARS-20131003-1b to 1f)

12-7: *Diplothrombium ostovani* Noei & Saboori, 2014 (Holotype larva) (ARS-20131003-2a)

12-8 to 12-11: *Diplothrombium ostovani* Noei & Saboori, 2014 (Paratype larva) (ARS-20131003-2b to 2e)

13

F: **Eythraeidae**

13-1: *Erythraeus (Zaracarus) iranicus* Saboori & Akrami, 2001 (Holotype larva) (ARS-19990600-1)

13-2: *E. (Z.) longipedus* Saboori & Nowzari, 2001 (Holotype larva) (ARS-20010424-1)

13-3: *E. (Z.) rajabii* Saboori, 2000 (Holotype larva) (ARS-19960714-1)

13-4: *E. (Z.) ueckermanni* Saboori, Nowzari & Bagheri-Zenouz, 2004 (Holotype larva) (ARS-20030502-1)

13-5: *E. (Z.) kharrazii* Saboori, 2000 (Holotype larva) (ARS-19960506-1a)

13-6: *E. (Z.) kharrazii* Saboori, 2000 (Paratype larva) (ARS-19960506-1b)

13-7: *E. (Z.) aydinicus* Saboori, Cakmak & Nouri-Gonbalani, 2004 (Holotype larva) (ARS-20030931-1a)

13-8: *E. (Z.) aydinicus* Saboori, Cakmak & Nouri-Gonbalani, 2004 (Paratype larva) (ARS-20030931-1b)

13-9: *E. (E.) shojaii* Saboori & Babolmorad, 2000 (Holotype larva) (ARS-19960506-1a)

13-10: *E. (E.) hypertrichotus* Saboori, Goldarazena & Khajeali, 2004 (Holotype larva) (ARS-20020826-1a)

13-11: *E. (E.) hypertrichotus* Saboori, Goldarazena & Khajeali, 2004 (Paratype larva) (ARS-20020826-1b)

13-12: *E. (E.) garmsaricus* Saboori, Goldarazena & Khajeali, 2004 (Holotype larva)
(ARS-20020825-1a)

13-13 to 13-15: *E. (E.) garmsaricus* Saboori, Goldarazena & Khajeali, 2004 (Paratype larvae)
(ARS-20020825-1b to 1d)

13-16: *E. (E.) ankaraicus* Saboori, Çobanoğlu & Bayram, 2004 (Holotype larva)
(ARS-20030611-1a)

13-17 & 18: *E. (E.) ankaraicus* Saboori, Çobanoğlu & Bayram, 2004 (Paratype larvae)
(ARS-20030611-1b & 1c)

14

F: Erythraeidae

14-1: *Curteria duzgunesae* (Saboori, Çobanoğlu & Bayram, 2007) (ARS-20070609) (Holotype larvae)

14-2: *Erythraeus (E.) adanaensis* Saboori & Çobanoğlu, 2010 (Holotype larvae)
(ARS-20031115-1a)

14-3: *Erythraeus (E.) adanaensis* Saboori & Çobanoğlu, 2010 (Paratype larvae)
(ARS-20031115-1b)

14-4: *Moldoustium haitlingeri* Noei, Saboori & Šundić, 2013 (Holotype larva)
(ARS-20130126-1a)

14-5 to 14-7: *Moldoustium haitlingeri* Noei, Saboori & Šundić, 2013 (Paratype larvae)
(ARS-20130126-1b to 1d)

14-8: *Bursaustium norbakhshi* Saboori, 2002 (Holotype larva) (ARS-20010606-1)

14-9: *Bursaustium zabolensis* (Holotype larva) (ARS- 20181127-2a)

14-10 to 14-12: *Bursaustium zabolensis* (Paratype larvae) (ARS- 20181127-2b to 2d)

15

F: Erythraeidae

15-1: *Balaustium zhangii* Saboori, 2001 (Holotype larva) (ARS-19930326-1a)

15-2 to 15-4: *Balaustium zhangii* Saboori, 2001 (Paratype larvae) (ARS-19930326-1b to 1d)

15-5 to 15-8: *Balaustium zhangii* Saboori, 2001 (Paratype deutonymphs) (ARS-19940419-1a to 1d)

15-9: *Balaustium zhangii* Saboori, 2001 (Paratype female) (ARS-19930528-1a)

15-10: *Balaustium izmirensis* Noei & Ersin, 2019 (Holotype larva) (ARS-20170911-2a)

15-11 to 15-19: *Balaustium izmirensis* Noei & Ersin, 2019 (Paratype larvae) (ARS-20170911-2b to 2j)

16

F: Erythraeidae

16-1: *Charletonia terianae* Hakimitabar, 2009 (Holotype) (ARS-20120710-1a)

16-2 to 16-10: *Charletonia terianae* Hakimitabar, 2009 (Paratype) (ARS-20120710-1b to 1j)

17

F: Erythraeidae

17-1: *Abrolophus iraninejadi* Saboori & Hajiqanbar, 2005 (Holotype larva)
(ARS-20040320-1)

17-2: *Eatoniana lorestanica* (Saboori & Lachinani, 2003) (Holotype larva) (ARS-20020127-1a)

17-3 to 17-8: *Eatoniana lorestanica* (Saboori & Lachinani, 2003) (Paratype larvae)
(ARS-20020127-1b to 1i)

17-9: *Andrevella persiangulfia* Saboori, Hajiqanbar & Kamali, 2007 (Holotype larva)
(ARS-20060711-1)

17-10: *Makolia crimeaensis* Saboori, Khaustov & Hakimitabar, 2009 (Holotype and paratype
larvae in one slide)
(ARS-20090214-1a, 1b to 1q)

17-11: *Abrolophus bochkovi* Hakimitabar *et al.*, 2020 (Holotype)(ARS-20200323-1a)

17-12 to 17-15: *Abrolophus bochkovi* Hakimitabar *et al.*, 2020 (Paratype)(ARS-20200323-1b to
1e)

18

F: Microtrombidiidae

18-2: *Willmannella kazerunica* Zhang & Saboori, 1997 (Holotype larva) (ARS-19950406-2)

18-3: *Montenegtrombium milicae* Saboori & Pešić, 2006 (Holotype larva) (ARS-20051020-1a)

18-4 to 18-8: *Montenegtrombium milicae* Saboori & Pešić, 2006 (Paratype larvae) (ARS-
20051020-1b to 1f)

18-9: *Microtrombidium fumani* Noei, Saboori & Hajizadeh, 2015 (Holotype larva) (ARS-
20141105-3a)

18-10 to 18-14: *Microtrombidium fumani* Noei, Saboori & Hajizadeh, 2015 (Paratype larvae)
(ARS-20141105-3b to 3f)

19

F: Microtrombidiidae

19-2: *Valgothrombium andreae* (Saboori, Ueckermann & van Harten, 2007) (Holotype larva)
(ARS-20061017-1a)

19-3: *Valgothrombium andreae* (Saboori, Ueckermann & van Harten, 2007) (Paratype larvae)
(ARS-20061017-1b to 1d)

19-4: *Valgothrombium andreae* (Saboori, Ueckermann & van Harten, 2007) (Paratype larvae)
(ARS-20061017-1e to 1g)

Solistrus mitrae Saboori *et al.* (2008) (Paratype larva) (ARS-20080126-1b)

19-5: *Solistrus mitrae* Saboori *et al.* (2008) (Holotype larva) (ARS-20080126-1a)

19-6: *Enemothrombium wohlmanni* Saboori, Shojaei & Hakimitabar, 2009 (Holotype larva)
(ARS-20081213-1a)

19-7 to 19-9: <i>Enemthrombium wohltmanni</i> Saboori, Shojaei & Hakimitabar, 2009 (Paratype larvae) (ARS-20081213-1b to 1f)
19-10: <i>Persianthrombium farajii</i> Sedghi, Saboori & Hakimitabar, 2010 (Holotype larva) (ARS-20090502-1a)
19-11 to 19-13: <i>Persianthrombium farajii</i> Sedghi, Saboori & Hakimitabar, 2010 (Paratype larvae) (ARS-20090502-1b to 1d)
19-14: <i>Valgothrombium takhtii</i> Saberi-Riseh & Saboori, 2020 (Holotype larva) (ARS-20200528-1a)
19-15 to 19-16: <i>Valgothrombium takhtii</i> Saberi-Riseh & Saboori, 2020 (Paratype larvae) (ARS-20200528-1b to 1c)

20

F: Microtrombidiidae

20-1: <i>Eutrombidium mossadeghi</i> Saboori & Nemati, 2001 (Paratype larva) (ARS-20000913-1b)
20-2: <i>Eutrombidium sepagosariani</i> Saboori, Nemati & Mosaddegh, 2000 (Paratype larva) (ARS-19980624-1b)
20-3: <i>Atractothrombium amirkabiri</i> Noei, Saboori & Hajizadeh, 2015 (Holotype larva) (ARS-20141105-1a)
20-4 to 20-7: <i>Atractothrombium amirkabiri</i> Noei, Saboori & Hajizadeh, 2015 (Paratype larvae) (ARS-20141105-1b to 1e)
20-8: <i>Eutrombidium carajas</i> Noei & Šundić, 2020 (Holotype larva) (ARS-20191114-1a)
20-9 to 20-17: <i>Eutrombidium carajas</i> Noei & Šundić, 2020 (Paratype larvae) (ARS-20191114-1b, 1c, 1d, 1e, 1k, 1l, 1m, 1n, 1o)

21

F: Microtrombidiidae

21-1: <i>Empitrombium pesici</i> Saboori & Hakimitabar, 2009 (Holotype larva) (ARS-20081109-1a)
21-2 to 21-7: <i>Empitrombium pesici</i> Saboori & Hakimitabar, 2009 (Paratype larvae) (ARS-20081109-1b to 1g)
21-8: <i>Montenegtrombium baloutchi</i> (Holotype larva) (ARS-20150108-1a)
21-9 to 21-13: <i>Montenegtrombium baloutchi</i> (Paratype larvae) (ARS-20150108-1b to 1f)
21-14: <i>Ettmuelleria zahediae</i> (Holotype larva) (ARS-20141105-2a)
21-15: <i>Ettmuelleria zahediae</i> (Paratype larva) (ARS-20141105-2b)
21-16: <i>Empitrombium prasadi</i> Saberi-Riseh & Saboori, 2020 (Holotype larva) (ARS-20190718-1a)
21-17 to 21-20: <i>Empitrombium prasadi</i> Saberi-Riseh & Saboori, 2020 (Paratype larvae) (ARS-20190718-1b to 1e)

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F: Neothrombiidae & Neotrombidiidae

22-1 to 22-4: <i>Southcottella nematii</i> Saboori, 2002 (Paratype larvae) (ARS-20010521-1b to 1e)
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22-5: *Neosilphitrombium tenebrionidum* Saboori, Hajiqanbar and Hakimitabar, 2011 (Holotype larva) (ARS-20100420-1a)

22-6 to 22-8: *Neosilphitrombium tenebrionidum* Saboori, Hajiqanbar and Hakimitabar, 2011 (Paratype larva) (ARS-20100420-1b to 1d)

22-9: *Silphitrombium iranicum* Tashakor, Hajiqanbar & Saboori, 2013 (Paratype larva) (ARS-20131201-4b)

22-10: *Silphitrombium elateridum* Tashakor, Hajiqanbar & Saboori, 2013 (Paratype larva) (ARS-20131201-5b)

22-11: *Neotrombidium khanjanii* Noei & Saboori, 2017 (Holotype larva) (ARA-2016-0305-2a)

22-12 to 22-18: *Neotrombidium khanjanii* Iman Hasanvand, 2012 (Paratype larvae) (ARA-2016-0305-2b to 2h)

23

F: Trombellidae

23-1: *Trombella ahmadii* Saboori, Nemati & Mossadegh, 2001 (Paratype larva) (ARS-19970704-1b)

23-2: *Gryllotrombella afshari* Saboori, Nemati & Mossadegh, 2005 (Holotype larva) (ARS-20040621-1a)

23-3: *Nothrotrombidium birjandensis* Noei, 2016 (Holotype larva) (ARS-20170305-1a)

23-4 to 23-5: *Nothrotrombidium birjandensis* Noei, 2016 (Paratype larvae) (ARS-20170305-1b to 1c)

24

F: Chyzeriidae

24-1: *Gryllochyzeria hojjati* Saboori, Zhang & Nemati, 2005 (Holotype larva) (ARS-20040816-1)

24-2: *Tafreshichyzeria hessabyi* Saboori & Lazarboni, 2007 (Holotype larva) (ARS-20061115-1a)

24-3 to 24-7: *Tafreshichyzeria hessabyi* Saboori & Lazarboni, 2007 (Paratype larvae) (ARS-20061115-1b, 1c, 1d, 1e, 1f)

24-8: *Pteridopus alivaensis* Seiedy, Saboori & Hakimitabar, 2009 (Holotype larva) (ARS-20080127-1a)

24-9: *Pteridopus alivaensis* Seiedy, Saboori & Hakimitabar, 2009 (Paratype larva) (ARS-20080127-1b)

24-10: *Parawenhoekia seadi* Saboori, Pešić & Hakimitabar, 2008 (Holotype larva) (ARS-20070627-1a)

24-11 to 24-13: *Parawenhoekia seadi* Saboori, Pešić & Hakimitabar, 2008 (Paratype larvae) (ARS-20070627-1b, 1c, 1d)

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F: Heterostigmata: Scutacaridae, Pygmephoridae

25-1: *Scutacarus iranicus* Ebermann, Hajiqanbar & Haddad Irani-Nejad, 2003 (Paratype female) (ARS-20000102-1b)

25-2 to 25-3: *Bakerdania uniseta* Khaustov & Hajiqanbar, 2004 (Paratype female) (ARS-20000102-2b & 2c)

26

F: **Eriophyidae**

26-1 to 26-3: *Aceria zanjani* Flechtman, Tarasi & Saboori, 2003 (Paratype) (ARS-20030101-1b to 1d)

27

Mesostigmata: Rhodacaridae

27-1: *Rhodacarellus iraniensis* Castilho, Jalaeian & de Moraes, 2012 (Holotype female) (ARS-20131027-3a)

27-2: *Multidentorhodacarus saboorii* Castilho, Jalaeian & de Moraes, 2012 (Holotype female) (ARS-20131027-4a)

28

F: **Smarididae**

28-1: *Smaris maraghehiensis* Saboori & Bagheri, 2011 (Holotype larva) (ARS-20100224-1a)

28-2: *Sphaerotarsus quercus* Yazdanpanah, Saboori & Hakimitabar, 2016 (Holotype larva) (ARS-20130602-1a)

28-3: *Sphaerotarsus quercus* Yazdanpanah, Saboori & Hakimitabar, 2016 (Paratype larva) (ARS-20130602-1b)

29

F: **Adamystidae**

29-1: *Adamystis ueckermanni* Fuangarworn & Beyzavi, 2012 (Holotype female) (ARS-20150901-1a)

29-2: *Adamystis theroni* Fuangarworn & Beyzavi, 2012 (Holotype female) (ARS-20150901-2a)

29-3 to 29-4: *Adamystis ekaterinae* Ghasemi-Moghadam & Saboori, 2012 (Paratype female) (ARS-20190603-1a & 1e)

29-5: *Adamystis saboorii* Paktinat-Saeij & Ahaniazad, 2019 (Paratype female) (ARS-20200831-1b)

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F: Adelphacaridae

30-1: *Adelphacarus reticulatus* Lotfollahi, 2017 (Paratype female) (G.IEA-M14M-2) (ARS-20191021-1b)

31

F: Neotrombidiidae

31-1: *Neotrombidium hajizadehi* Noei & Saboori, 2017 (Holotype larva) (ARA-2016-0305-1a)

31-2 to 31-5: *Neotrombidium hajizadehi* Noei & Saboori, 2017 (Paratype larvae) (ARS-20160305-1b to 1e)

32

F: Erythraeidae

32-1: *Collemboerythraeus vosoughae* (Holotype larva) (ARS-20170305-3a)

32-2 to 32-4: *Collemboerythraeus vosoughae* (Paratype larvae) (ARS-20170305-3b to 3d)

32-5: *Collemboerythraeus izadpanahi* (Holotype larva) (ARS-201709011-1a)

32-5 to 32-7: *Collemboerythraeus izadpanahi* (Paratype larvae) (ARS-201709011-1b to 1c)

32-8: *Balaustium akramii* Noei, 2017 (Holotype larva) (ARS-20170305-4a)

32-9 to 32-15: *Balaustium akramii* Noei, 2017 (Paratype larvae) (ARS-20170305-4b to 4h)

33

F: Erythraeidae

33-1: *Leptus darvishi* Saboori, Hakimitabar & Khademi, 2018 (Holotype larva) (ARS-20160303-1a)

33-2 to 33-16: *Leptus darvishi* Saboori, Hakimitabar & Khademi, 2018 (Paratype larvae) (ARS-20160303-1b to 1s)

33-17: *Leptus tridentatus* Saboori, Hakimitabar & Khademi, 2018 (Holotype larva) (ARS-20090703-1a)

33-18 to 33-20: *Leptus tridentatus* Saboori, Hakimitabar & Khademi, 2018 (Paratype larvae) (ARS-20090703-1b to 1d)

34

F: Erythraeidae

34-1: *Leptus singhi* Saboori & Arbabi, 2003 (Holotype larva) (ARS-20021102-1)

34-2 to 34-3: *Leptus esmailii* Saboori & Ostovan, 2000 (Paratype larvae) (ARS-19970623-1b to 1c)

34-4: *Leptus zhangii* Saboori & Atamehr, 1999 (Holotype larva) (ARS-1997070722-1a)

34-5: *Leptus delijaenensis* Khademi, Saboori & Hakimitabar, 2015 (Holotype larva) (ARS-20141120-1a)

34-6 to 34-9: *Leptus andongensis* Hakimitabar, Joharchi & Jung, 2020 (Paratype larvae) (ARS-201900610-1f to 1i)

34-10: *Leptus pouryayevalii* Hakimitabar et al., 2021 (Holotype larva) (ARS-20201010-1a)

Mid up
Water mites

1

F: Torrenticolidae

1-1: *Torrenticola khorassanula* Pešić & Saboori, 2006 (Paratype female) (ARS-20130101-1b)

1-2: *Torrenticola saboorii* Pešić & Asadi, 2002 (Paratype male & female) (ARS-20130101-2b)

1-3: *Torrenticola irana* Pešić & Saboori (Paratype male) (ARS-20130101-3)

2

F: Hygrobatidae

2-1: *Atractides mossahebi* Pešić, 2004 (Paratype male) (ARS-20130101-8b)

2-2: *Atractides markaziensis* Pešić, 2004 (Paratype male) (ARS-20130101-9b)

2-3: *Atractides mirkopesici* Pešić, 2004 (Paratype female) (ARS-20130101-10b)

3

F: Hydryphantidae

3-1: *Protzia sepasgosariani* Pešić & Saboori, 2006 (Paratype female) (ARS-20130101-17b)

Right up

1

F: Laelapidae

1-1: *Coleolaelaps costai* Joharchi & Halliday, 2012 (ARS-20131018-5a) (Holotype)

1-2 to 1-3: *Coleolaelaps costai* Joharchi & Halliday, 2012 (ARS-20131018-5b to 5c) (Paratype)

1-4: *Hypoaspis larvicolus* Joharchi & Halliday, 2011 (ARS-20191222-1a) (Holotype female)

1-5 to 1-6: *Hypoaspis larvicolus* Joharchi & Halliday, 2011 (ARS-20191222-1b to 1c)
(Paratype)

1-7: *Hypoaspis maryamae* Joharchi & Halliday, 2011 (ARS-20131020-3a) (Holotype female)

1-8 to 1-9: *Hypoaspis maryamae* Joharchi & Halliday, 2011 (ARS-20131020-3b to 3c) (Paratype female)

1-10: *Hypoaspis melolonthae* Joharchi & Halliday, 2011 (ARS-20131020-4a) (Holotype female)

1-11: *Hypoaspis melolonthae* Joharchi & Halliday, 2011 (Paratype female) (ARS-20131020-4b)

1-12: <i>Myrmozercon karajensis</i> Joharchi & Halliday, 2012 (Holotype female) (ARS-20191222-2a)
1-13: <i>Gymnolalaelaps prestoni</i> Joharchi & Halliday, 2011 (Holotype female) (ARS-20131020-2a)
1-14: <i>Gymnolalaelaps prestoni</i> Joharchi & Halliday, 2011 (Paratype female) (ARS-20131020-2b)
1-15: <i>Gymnolalaelaps messor</i> Joharchi & Halliday, 2011 (ARS-20131020-1a) (Holotype female)
1-16 to 1-18: <i>Gymnolalaelaps messor</i> Joharchi & Halliday, 2011 (ARS-20131020-1b to 1d) (Paratype females)
1-19: <i>Laelaspis dariusi</i> Joharchi & Jalaeian (Paratype female) (ARS-20131018-2b)
1-20: <i>Holostaspis ambigua</i> Babaeian <i>et al.</i> , 2019 (Paratype female) (ARS-20200901-1b)

2

F: Laelapidae

2-1: <i>Laelaspis kamali</i> Joharchi & Halliday, 2012 (Holotype female) (ARS-20131018-4a)
2-2: <i>Laelaspis kamali</i> Joharchi & Halliday, 2012 (Paratype female) (ARS-20131018-4b)
2-3: <i>Laelaspis pennatus</i> Joharchi & Halliday, 2012 (Holotype female) (ARS-20131018-5a)
2-4: <i>Laelaspis pennatus</i> Joharchi & Halliday, 2012 (Paratype female) (ARS-20131018-5b)
2-5: <i>Laelaspis persicus</i> Joharchi & Halliday, 2012 (Holotype female) (ARS-20131018-3a)
2-6: <i>Laelaspis persicus</i> Joharchi & Halliday, 2012 (Paratype female) (ARS-20131018-3b)
2-7: <i>Gymnolaelaps artavilensis</i> Joharchi & Halliday, 2013 (ARS-20191222-3a) (Holotype female)
2-8 to 2-11: <i>Gymnolaelaps artavilensis</i> Joharchi & Halliday, 2013 (ARS-20191222-3b to 3e) (Paratype)
2-12: <i>Promacrolaelaps propomarcus</i> Joharchi <i>et al.</i> , 2013 (Holotype female) (ARS-20191222-4a)
2-13 to 2-15: <i>Promacrolaelaps propomarcus</i> Joharchi <i>et al.</i> , 2013 (Paratype females) (ARS-20191222-4b to 4d)
2-16 to 2-17: <i>Myrmozercon crinitus</i> Joharchi, 2013 (Paratype females) (ARS-20191222-5b to 5c)
2-18 to 2-20: <i>Myrmozercon michaeli</i> Joharchi, 2013 (Paratype female) (ARS-20191222-6b to 6d)

3

Laelapidae

3-1 to 3-2 : <i>Myrmozercon cyrusi</i> Ghafarian & Joharchi, 2013 (Paratype females) (ARS-20191222-7b to 7c)
3-3: <i>Gaeolaelaps saboorii</i> Joharchi & Babaeian, 2014 (Holotype female) (ARS-20191222-8a)
3-4: <i>Gaeolaelaps saboorii</i> Joharchi & Babaeian, 2014 (Paratype female) (ARS-20191222-8b)
3-5: <i>Hypoaspis elegans</i> Joharchi <i>et al.</i> , 2014 (ARS-20191222-9a) (Holotype female)
3-6 to 3-7: <i>Hypoaspis elegans</i> Joharchi <i>et al.</i> , 2014 (ARS-20191222-9b to 9c) (Paratype female)
3-8: <i>Hypoaspis alborzensis</i> Razavi Susan & Joharchi, 2014 (ARS-20130311-1a) (Holotype female)

3-9 to 3-11: <i>Reticulolaelaps costai</i> Joharchi & Babaeian, 2015 (Holotype female) (ARS-20191222-11a) [different part of body]
3-12 to 3-15: <i>Myrmozercon hunteri</i> Joharchi <i>et al.</i> , 2015 (Holotype female) (ARS-20191222-12a)
3-16 to 3-18 : <i>Dinogamasus kazerunensis</i> Joharchi <i>et al.</i> , 2016 (Paratype females) (ARS-20191222-14b to 14d)
3-19 to 3-20 : <i>Hypoaspis surenai</i> Joharchi & Shahedi, 2016 (Paratype females) (ARS-20150304-1h to 1i)

4

F: Laelapidae

4-1: <i>Myrmozercon brachytrichos</i> Joharchi <i>et al.</i> , 2017 (Holotype female) (ARS-20191222-15a)
4-2 to 4-3: <i>Myrmozercon brachytrichos</i> Joharchi <i>et al.</i> , 2017 (Paratype female) (ARS-20191222-15b to 15c)
4-4: <i>Laelaspis latisetus</i> Joharchi <i>et al.</i> , 2017 (Paratype female) (ARS-20191222-16b)
4-5: <i>Gaeolaelaps scarites</i> Joharchi & Saeidi, 2015 (Holotype female) (ARS-20191222-17a)
4-6: <i>Gaeolaelaps scarites</i> Joharchi & Saeidi, 2015 (Paratype female) (ARS-20191222-17b)
4-7: <i>Laelaspis pennatus</i> Joharchi & Halliday, 2012 (Paratype female) (ARS-20131018-5c)
4-8: <i>Laelaspis mossadeghi</i> Babaeian & Joharchi, 2013 (Holotype female) (ARS-20150526-2a)
4-9 to 4-10: <i>Laelaspis mossadeghi</i> Babaeian & Joharchi, 2013 (Paratype females) (ARS-20150526-2b to 2c)
4-11: <i>Myrmozercon iranicus</i> Babaeian & Nemati, 2014 (Paratype female) (ARS-20191021-3b)
4-12: <i>Myrmozercon sternalis</i> Babaeian <i>et al.</i> , 2013 (Paratype female) (ARS-20191021-4b)
4-13: <i>Cosmolaelaps ekaterinae</i> Mašán & Babaeian, 2019 (Paratype) (ARS-20200209-4b to 4e)
4-14: <i>Ololaelaps elongatus</i> Babaeian, 2019 (Holotype female) (ARS-20200209-2a)
4-15 to 4-17: <i>Ololaelaps elongatus</i> Babaeian, 2019 (Paratype females) (ARS-20200209-2b to 2d)
4-18: <i>Gaeolaelaps mirzakhaniae</i> Kazemi & Khalesi, 2018 (Paratype female) (ARS-20200106-1b)
4-19 to 4-20: <i>Reticulolaelaps elsae</i> Joharchi <i>et al.</i> , 2016 (Paratype female) (ARS-2019122-13b to 13c)

5

Macrochelidae

5-1: <i>Nothrolaspis saboorii</i> Babaeian & Joharchi, 2014 (Holotype female) (ARS-20150526-1a)
5-2: <i>Nothrolaspis saboorii</i> Babaeian & Joharchi, 2014 (Paratype female) (ARS-20150526-1b)
5-3: <i>Geholaspis (G.) pennulatus</i> Babaeian, Halliday & Saboori, 2015 (Holotype female) (ARS-20150610-1a)
5-4 to 5-7: <i>Geholaspis (G.) pennulatus</i> Babaeian, Halliday & Saboori, 2015 (Paratype females) (ARS-20150610-1b to 1e)

6

Pachlaelapidae, Eviphididae & Oplitidae

6-1: <i>Pachyseius angustoides</i> Babaeian & Mašán, 2016 (Holotype female) (ARS-20161003-1a)
6-2: <i>Pachyseius persicus</i> Babaeian & Mašán, 2016 (Holotype female) (ARS- 20151029-7a)
6-3 to 6-5: <i>Pachyseius persicus</i> Babaeian & Mašán, 2016 (Paratype female) (ARS- 20151029-7b to 7d)
6-6: <i>Oplitis quadrigenitalis</i> Babaeian, 2018 (Holotype female) (ARS-20200202-1a)
6-7 to 6-8: <i>Oplitis quadrigenitalis</i> Babaeian, 2018 (Paratype female) (ARS-20200202-1b to 1c)
6-9: <i>Pedoniphis persicus</i> Joharchi <i>et al.</i> , 2008 (Holotype female) (ARS-20151029-1a)
6-10: <i>Pedoniphis persicus</i> Joharchi <i>et al.</i> , 2008 (Paratype female) (ARS-20151029-1b)
6-11: <i>Metacryptoseius persicus</i> Kazemi & Moraza, 2008 (Paratype female) (ARS-20150615-1b)
6-12: <i>Cryptoseius khayyami</i> Kazemi & Moraza, 2008 (Paratype female) (ARS-20150615-2b)
6-13 : <i>Alliphis carinatus</i> Mašán & Babaeian (Holotype female) (ARS-20200816-1a)

7
Laelapidae
7-1: <i>Reticulolaelaps hallidayi</i> Joharchi, Nemati & Babaeian, 2013 (Holotype female) (ARS-20200912-1a)
7-2 to 7-6: <i>Reticulolaelaps hallidayi</i> Joharchi, Nemati & Babaeian, 2013 (Paratype female) (ARS-20200912-1b) [different part of body]
7-7 to 7-9: <i>Reticulolaelaps hallidayi</i> Joharchi, Nemati & Babaeian, 2013 (Paratype male) (ARS-20200912-1c) [different part of body]