

ARTIGO / ARTÍCULO / ARTICLE

A contribution to the knowledge of some families of
Coleoptera (Insecta) from Iran.Najmeh Samin¹, Jiří Háva² & Daniel Kubisz³

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Abstract: This faunistic paper deals with the species diversity of Coleoptera (Insecta) from different regions of Iran. In total, 47 species belonging to 36 genera and 14 families: Attelabidae (1 genus, 1 species), Byrrhidae (2 genera, 2 species), Chrysomelidae (2 genera, 6 species), Cleridae (3 genera, 3 species), Elateridae (2 genera, 2 species), Elmidae (3 genera, 3 species), Glaphyridae (2 genera, 4 species), Laemophloeidae (2 genera, 2 species), Latridiidae (2 genera, 2 species), Leiodidae (2 genera, 2 species), Mordellidae (6 genera, 8 species), Ptinidae (5 genera, 7 species), Rhynchitidae (3 genera, 4 species), and Silvanidae (1 genus, 1 species) were collected and identified.

Key words: Coleoptera, faunistics, Iran.

Resumen: Contribución al conocimiento de algunas familias de Coleoptera (Insecta) de Irán. Este trabajo trata sobre la diversidad de especies de Coleoptera (Insecta) de diferentes regiones de Irán. En total se capturaron e identificaron 47 especies pertenecientes a 36 géneros y 14 familias: Attelabidae (1 género, 1 especie), Byrrhidae (2 géneros, 2 especies), Chrysomelidae (2 géneros, 6 especies), Cleridae (3 géneros, 3 especies), Elateridae (2 géneros, 2 especies), Elmidae (3 géneros, 3 especies), Glaphyridae (2 géneros, 4 especies), Laemophloeidae (2 géneros, 2 especies), Latridiidae (1 género, 1 especie), Leiodidae (2 géneros, 2 especies), Mordellidae (6 géneros, 8 especies), Ptinidae (5 géneros, 7 especies), Rhynchitidae (3 géneros, 4 especies) y Silvanidae (1 género, 1 especie).

Palabras clave: Coleoptera, faunística, Irán.

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Introduction

The Coleoptera are the largest order of insects and therefore the most diverse group of organisms on earth, comprising over 360,000 described species (Bouchard et al. 2009). The oldest beetle fossils are from the Lower Permian, about 265 million years old (Ponomarenko 1995). As such, beetles represent an excellent system for addressing a broad spectrum of evolutionary questions, particularly those pertaining to causes and correlates of diversification (Lawrence et al. 2011). The great morphological diversity of beetles has led to the proliferation of suprageneric taxa at various ranks (Bouchard et al. 2011). The fauna of Iranian Coleoptera is rather poorly known, except some groups (e.g. Samin et al. 2011a-h, 2015; Samin & Shojai 2013; Samin & Imani 2013; Samin & Sakenin 2014, 2015; Sakenin & Samin 2015; Samin 2015a, b). The aim of this paper is reporting the Coleoptera species which were collected from different regions of Iran.

Material and methods

Most specimens of this research were obtained from insect collections deposited in some branches of Islamic Azad University, private collections and some museums of the world. Additionally, some materials were collected from different regions of Iran by researchers and students and determined by coleopterists. Data about classification, nomenclature and distribution data are mainly based on Löbl & Smetana (2006, 2007, 2010, 2011) and Löbl & Löbl (2015).

Results

A total of 47 species of Coleoptera belonging to the families Attelabidae, Bruchidae, Byrrhidae, Cleridae, Elateridae, Elmidae, Glaphyridae, Laemophloeidae, Latridiidae, Leiodidae, Mordellidae, Ptinidae, Rhynchitidae, and Silvanidae were collected and identified from different regions of Iran.

Family Attelabidae Billberg, 1820

Genus *Attelabus* Linnaeus, 1758

Attelabus sulcifrons (Argod-Vallon, 1895)

Material examined: Province of West Azarbaijan: Salmas, 1355 m, 1 ex., July 2013.

Distribution outside Iran: Armenia, Bulgaria, Georgia, Greece, Macedonia, Syria, Turkey.

Family Byrrhidae Latreille, 1804

Genus *Byrrhus* Linnaeus, 1767

Byrrhus (Byrrhus) fasciatus fasciatus (Forster, 1771)

Material examined: Province of West Azarbaijan: Mahabad, 1366 m, 1 ex., June 2012.

Distribution outside Iran: Albania, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia-Herzegovina, Bulgaria, China, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Ireland, Italy, Japan, Kazakhstan, Kyrgyzstan, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Mongolia, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, UK, Ukraine.

Genus *Simplocaria* Stephens, 1829

Simplocaria (Simplocaria) semistriata (Fabricius, 1794)

Material examined: Province of Ardabil: Aslan-Dooz, 212 m, 2 ex., 26.VII.2009.

Distribution outside Iran: Algeria, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia-Herzegovina, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Moldavia, Montenegro, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, UK, Ukraine.

Family Chrysomelidae Latreille, 1802

Genus *Bruchidius* Schilsky, 1905

***Bruchidius anobioides* (Baudi di Selve, 1886)**

Material examined: Province of Kordestan: Bijar, 1746 m, 1 ex., July 2012.

Distribution outside Iran: Cyprus, Greece, Iraq, Israel, Jordan, Lebanon, Turkey.

***Bruchidius rufisurus* (Allard, 1883)**

Material examined: Province of West Azarbaijan: Piranshahr, 1466 m, 2 ex., June 2011.

Distribution outside Iran: Cyprus, Egypt, Greece, Iraq, Israel, Jordan, Lebanon, Syria, Turkey.

***Bruchidius sericatus* (Germar, 1824)**

Material examined: Province of West Azarbaijan: Khoy, 1153 m, 2 ex., June 2011.

Distribution outside Iran: Albania, Algeria, Armenia, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, France, Georgia, Greece, Hungary, Israel, Italy, Jordan, Lebanon, Macedonia, Montenegro, Portugal, Serbia, Slovenia, Spain, Syria, Turkey, Ukraine.

Genus *Bruchus* Linnaeus, 1767***Bruchus affinis* J.A. Frölich, 1799**

Material examined: Province of Northern Khorasan: Shirvan, 1073 m, 3 ex., June 2009.

Distribution outside Iran: Afghanistan, Algeria, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Egypt, Finland, France, Georgia, Germany, Great Britain, Greece, Hungary, Italy, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Luxembourg, Montenegro, Netherlands, Poland, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Syria, Tajikistan, Turkey, Ukraine.

***Bruchus laticollis* Boheman, 1833**

Material examined: Province of Golestan: Minudasht, 151 m, 2 ex., April 2012.

Distribution outside Iran: Afghanistan, Albania, Armenia, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Croatia, France, Georgia, Greece, Israel, Italy, Kazakhstan, Macedonia, Malta, Montenegro, Russia, Serbia, Slovakia, Syria, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan.

***Bruchus rufipes* Herbst, 1783**

Material examined: Province of Ardabil: Aslan-Dooz, 212 m, 1 ex., August 2010.

Distribution outside Iran: Albania, Algeria, Armenia, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Croatia, France, Georgia, Greece, Hungary, Israel, Italy, Lebanon, Macedonia, Malta, Montenegro, Morocco, Poland, Portugal, Russia, Serbia, Slovenia, Spain, Switzerland, Tunisia, Turkey, Ukraine.

Family Cleridae Latreille, 1802**Genus *Phloiocopus* Guérin-Méneville, 1835*****Phloiocopus basalis* (Klug, 1842)**

Material examined: Province of Guilan: Deylaman, 1450 m, 2 ex., September 2012.

Distribution outside Iran: Cyprus, Egypt, Turkey.

Genus *Opilo* Latreille, 1802***Opilo taeniatus* (Klug, 1842)**

Material examined: Province of Kordestan: Qorveh, 1323 m, 1 ex., September 2009.

Distribution outside Iran: Albania, Austria, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Cyprus, Czech Republic, Georgia, Greece, Hungary, Italy, Libya, Macedonia, Romania, Russia, Slovakia, Slovenia, Turkey.

Genus *Trichodes* Herbst, 1792

***Trichodes inermis* Reitter, 1894**

Material examined: Province of Hamadan: Malayer, 1776 m, 1 ex., 4.VII.2008.

Distribution outside Iran: Armenia, Azerbaijan, Turkey.

Family Elateridae Leach, 1815

Genus *Cardiophorus* Eschscholtz, 1829

***Cardiophorus (Cardiophorus) gramineus* (Scopoli, 1763)**

Material examined: Province of Kerman: Jiroft, 1196 m, 3 ex., May 2013.

Distribution outside Iran: Armenia, Austria, Azerbaijan, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, France, Georgia, Germany, Greece, Hungary, Italy, Latvia, Luxembourg, Moldavia, Montenegro, Netherlands, Palestine, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine.

Genus *Selatosomus* Stephens, 1830

***Selatosomus (Selatosomus) caucasicus* (Ménétriés, 1832)**

Material examined: Province of West Azarbaijan: Khoy, 1153 m, 2 ex., July 2013.

Distribution outside Iran: Armenia, Azerbaijan, Russia, Turkey.

Family Elmidae Curtis, 1830

Genus *Elmis* Latreille, 1798

***Elmis quadricollis* Reitter, 1887**

Material examined: Province of Razavi Khorasan: Tarbat -e Jam, 881 m, 1 ex., April 2012.

Distribution outside Iran: Afghanistan, Kazakhstan, Kyrgystan, Turkmenistan, Uzbekistan.

Genus *Grouvellinus* Champion, 1923

***Grouvellinus rioloides* (Reitter, 1887)**

Material examined: Province of Razavi Khorasan: Mashhad, 1184 m, 2 ex., April 2012.

Distribution outside Iran: Afghanistan, China, Kazakhstan, Kyrgystan, Tajikistan, Turkmenistan, Uzbekistan.

Genus *Potamophilus* Germar, 1811

***Potamophilus acuminatus* (Fabricius, 1792)**

Material examined: Province of East Azarbaijan: Horand, 1113 m, 1 ex., 23.VIII.2006.

Distribution outside Iran: Afghanistan, Austria, Azerbaijan, Belarus, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Israel, Italy, Lebanon, Netherlands, Poland, Romania, Russia, Slovakia, Slovenia, Spain, Syria, Turkey, Turkmenistan, Ukraine.

Family Glaphyridae MacLeay, 1819

Genus *Eulasia* Truquit, 1848*Eulasia (Rudeulasia) fastuosa* Reitter, 1890

Material examined: Province of Kermanshah: Sahne, 1365 m, 1 ex., May 2009.

Distribution outside Iran: Greece, Israel, Lebanon, Syria, Turkey.

Eulasia (Eulasia) kuschakevitschi Ballion, 1871

Material examined: Province of Northern Khorasan: Jajarm, 993 m, 1 ex., date unknown.

Distribution outside Iran: Afghanistan, Kazakhstan, Kyrgyzia, Tajikistan, Uzbekistan.

Genus *Glaphyrus* Latreille, 1807*Pygopleurus libanonensis* Petrovitz, 1958

Material examined: Province of Kordestan: Khosro Abad, 1844 m, 2 ex., June 2008.

Distribution outside Iran: Israel, Lebanon, Syria, Turkey.

Pygopleurus transcaucasicus Petrovitz, 1962

Material examined: Province of East Azarbaijan: Azarshahr, 109 m, 3 ex., April 2009.

Distribution outside Iran: Armenia, Azerbaijan, Georgia, Turkey.

Family Laemophloeidae Ganglbauer, 1899

Genus *Laemophloeus* Dejean, 1835*Laemophloeus monilis* (Fabricius, 1787)

Material examined: Province of Ardabil: Germe, 764 m, 1 ex., August 2013. New record for Iran.

Distribution outside Iran: Algeria, Armenia, Azerbaijan, Belgium, Czech Republic, Denmark, France, Georgia, Germany, Italy, Norway, Poland, Russia, Slovakia, Spain, Sweden, Switzerland, Tunisia, UK, Ukraine, Uzbekistan.

Genus *Placonotus* W.J. MacLeay, 1871*Placonotus testaceus* (Fabricius, 1787)

Material examined: Province of East Azarbaijan: Jolfa, 792 m, 1 ex., September 2013.

Distribution outside Iran: Algeria, Armenia, Austria, Azerbaijan, Belgium, Bhutan, China, Czech Republic, Georgia, Germany, India, Japan, Kazakhstan, Kyrgyzstan, Poland, Portugal, Russia, Slovakia, Spain, Taiwan, Tunisia, Uzbekistan.

Family Latridiidae Erichson, 1842

Genus *Corticaria* Marsham, 1802*Corticaria fulva* (Comolli, 1837)

Material examined: Province of Kermanshah: Kangaver, 1502 m, 1 ex., May 2013.

Distribution outside Iran: Afghanistan, Armenia, Austria, Belgium, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iraq, Ireland, Italy,

Kazakhstan, Latvia, Lithuania, Morocco, Netherlands, Norway, Poland, Portugal, Russia, Slovakia, Spain, Sweden, Switzerland, Tajikistan, Tunisia, Turkmenistan, Turkey, UK.

Genus *Melanophthalma* Motschulsky, 1866

***Melanophthalma (Melanophthalma) suturalis* Mannerheim, 1844**

Material examined: Province of Golestan: Gorgan, 73 m, 1 ex. July 2011.

Distribution outside Iran: Afghanistan, Armenia, Belarus, Czech Republic, Denmark, Finland, France, Germany, Italy, Kazakhstan, Mongolia, Poland, Russia, Spain, Sweden, Switzerland, Turkey, UK.

Family Leiodidae Fleming, 1821

Genus *Sogda* Lopatin, 1961

***Sogda (Trichohydnobius) secunda* (Guillebeau, 1897)**

Material examined: Province of Razavi Khorasan: Neyshabur, 1213 m, 1 ex., April 2012. New record for Iran.

Distribution outside Iran: Afghanistan, France, Italy, Mongolia, Netherlands, Tajikistan, Uzbekistan.

Genus *Attaepphilus* Motschulsky, 1869

***Attaepphilus weiratheri* Jeannel, 1936**

Material examined: Province of Semnan: Shahrud, 1311 m, 2 ex., June 2011.

Distribution outside Iran: Afghanistan, Turkey.

Family Mordellidae Latreille, 1802

Genus *Mediimorda* Méquignon, 1946

***Mediimorda bipunctata* (Germar, 1827)**

Material examined: Province of Lorestan: Azna, 1875 m, 2 ex., April 2010.

Distribution outside Iran: Albania, Algeria, Austria, Bulgaria, Croatia, Cyprus, France, Germany, Greece, Israel, Italy, Macedonia, Morocco, Portugal, Saudi Arabia, Spain, Switzerland, Tunisia, Turkey, Ukraine.

Genus *Mordella* Linnaeus, 1758

***Mordella duplicata* Schilsky, 1895**

Material examined: Province of West Azarbaijan: Piranshahr, 1466 m, 1 ex., 14.VII.2011.

Distribution outside Iran: Azerbaijan, Croatia, Cyprus, Jordan, Kazakhstan, Kyrgyzstan, Syria, Turkey.

Genus *Dellamora* Normand, 1916

***Dellamora palposa* Normand, 1916**

Material examined: Province of Golestan: Gonbad, 4 m, 2 ex., August 2011.

Distribution outside Iran: Cyprus, Greece, Lebanon, Mongolia, Morocco, Portugal, Spain, Tunisia, Turkey, Turkmenistan.

Genus *Mordellistena* Costa, 1854***Mordellistena (Mordellistena) parvula* (Gyllenhal, 1827)**

Material examined: Province of Mazandaran: Marzan-Abad, 545 m, 1 ex., September 2011.

Distribution outside Iran: Austria, Azerbaijan, Bosnia-Herzegovina, Bulgaria, Belarus, China, Czech Republic, Hungary, Italy, Kazakhstan, Macedonia, Netherlands, Poland, Romania, Russia, Slovakia, Slovenia, Switzerland.

***Mordellistena (Mordellistena) rugipennis* Schilsky, 1895**

Material examined: Province of East Azarbaijan: Horand, 1113 m, 1 ex., 23.VIII.2006.

Distribution outside Iran: Greece, Tajikistan, Turkey, Turkmenistan, UK, Ukraine.

***Mordellistena (Mordellistena) subsquamosa* Schilsky, 1899**

Material examined: Province of Golestan: Gorgan, 110 m, 2 ex. 16.IV.2008.

Distribution outside Iran: Iraq, Mongolian Russia, Turkmenistan.

Genus *Mordellistenula* Stchegoleva-Barovskaya, 1930***Mordellistenula perrisi* (Mulsant, 1857)**

Material examined: Province of Mazandaran: Amol, 198 m, 2 ex., May 2013.

Distribution outside Iran: Andorra, Armenia, Austria, Azerbaijan, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, Kazakhstan, Macedonia, Montenegro, Morocco, Poland, Portugal, Serbia, Spain, Sweden, Switzerland, Turkey, Ukraine.

Genus *Stenalia* Mulsant, 1856***Stenalia merkli* Schilsky, 1895**

Material examined: Province of Chaharmahal & Bakhtiari: Lordegan, 1609 m, 1 ex., September 2011.

Distribution outside Iran: Bulgaria, Iraq, Israel, Jordan, Lebanon, Syria, Turkey.

Family Ptinidae Latreille, 1802**Genus *Gastrallus* Jacquelin du Val, 1860*****Gastrallus immarginatus* (P.W.J. Müller, 1821)**

Material examined: Province of Mazandaran: Ramsar, 9 m, 2 ex., September 2014.

Distribution outside Iran: Armenia, Austria, Belgium, Bulgaria, China, Croatia, Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, Japan, Lebanon, Poland, Romania, Slovakia, Spain, Sweden, Switzerland, UK, Ukraine.

Genus *Lasioderma* Stephens, 1835***Lasioderma costulatum* Schilsky, 1899**

Material examined: Province of Kerman: Jiroft, 1196 m, 3 ex., spring 2010.

Distribution outside Iran: Armenia, Azerbaijan, Kazakhstan, Mongolia, Tajikistan, Turkmenistan, Uzbekistan.

***Lasioderma kiesenwetteri* Schilsky, 1899**

Material examined: Province of Semnan: Shahrud, 1311 m, 2 ex., June 2011.

Distribution outside Iran: Armenia, Azerbaijan, Croatia, Czech Republic, France, Georgia, Greece, Israel, Italy, Kazakhstan, Russia, Spain, Syria, Turkey, Turkmenistan, Ukraine, Uzbekistan.

Genus *Ptilinus* Geoffroy, 1762

***Ptilinus fuscus* (Geoffroy, 1785)**

Material examined: Province of Golestan: Gorgan, 73 m, 1 ex., July 2011.

Distribution outside Iran: Afghanistan, Algeria, Austria, Belarus, Belgium, Bulgaria, China, Czech Republic, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Japan, Kazakhstan, Macedonia, Netherlands, Norway, Poland, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Tajikistan, Turkey, Turkmenistan, UK, Ukraine, Uzbekistan.

***Ptilinus pectinicornis* (Linnaeus, 1758)**

Material examined: Province of Razavi Khorasan: Chenaran, 1170 m, 1 ex., 11.VIII.2013.

Distribution outside Iran: Armenia, Austria, Azerbaijan, Belarus, Bosnia-Herzegovina, Bulgaria, China, Croatia, Czech Republic, Denmark, France, Georgia, Germany, Hungary, India, Ireland, Italy, Japan, Latvia, Lithuania, Montenegro, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Spain, Sweden, Switzerland, Syria, Turkey, Turkmenistan, UK, Ukraine.

Genus *Ptinus* Linnaeus, 1767

***Ptinus (Gynopterus) quadrisignatus* Ménétriés, 1832**

Material examined: Province of Ardabil: Germe, 764 m, 2 ex., August 2013.

Distribution outside Iran: Armenia, Azerbaijan, Georgia, India, Kazakhstan, Russia, Turkey, Uzbekistan.

Genus *Xyletinus* Latreille, 1809

***Xyletinus (Xyletinus) sareptanus* Kiesenwetter, 1877**

Material examined: Province of Golestan: Kalaleh, 3 ex., April 2015.

Distribution outside Iran: Armenia, Azerbaijan, Bulgaria, Croatia, France, Georgia, Greece, Hungary, Kazakhstan, Kyrgyzstan, Macedonia, Russia, Turkey, Turkmenistan, Ukraine, Uzbekistan.

Family Rhynchitidae Gistel, 1848

Genus *Aletinus* Desbrochers des Loges, 1908

***Aletinus (Heterauletes) akinini* (Faust, 1885)**

Material examined: Province of Mazandaran: Chalus, 2 ex., October 2014.

Distribution outside Iran: Afghanistan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan.

***Aletinus (Heterauletes) constrictus* (Reitter, 1891)**

Material examined: Province of Markazi: Arak, 1 ex., July 2013.

Distribution outside Iran: Armenia, Azerbaijan, Georgia, Turkey, Turkmenistan, Uzbekistan.

Genus *Eurostauletes* Voss, 1933***Eurostauletes procerus* (Reitter, 1901)**

Material examined: Province of Southern Khorasan: Birjand, 2 ex., May 2013.

Distribution outside Iran: Afghanistan, China, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan.

Genus *Tennocerus* Thunberg, 1815***Tennocerus nanus* (Paykull, 1792)**

Material examined: Province of Semnan: Damghan, 4 ex., April 2011.

Distribution outside Iran: Algeria, Andorra, Austria, Belarus, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Italy, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Luxembourg, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovenia, Spain, Sweden, Switzerland, Turkey, Turkmenistan, UK, Ukraine.

Family Silvanidae Kirby, 1837**Genus *Silvanus* Latreille, 1804*****Silvanus unidentatus* (Olivier, 1790)**

Material examined: Province of Ardabil: Germe, 764 m, 2 ex., August 2013.

Distribution outside Iran: Austria, Azerbaijan, Belarus, Belgium, Bosnia-Herzegovina, China, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Korea, Latvia, Liechtenstein, Lithuania, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, UK.

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