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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Family** | **Genus** | **Species** | **Continent/ Hemisphere** | **Maximum latitude** | **Range size area** | **Mean litter size** | **Mean body mass (g)** | **Fossorial/ not** | **Desert/not** | **high- elevation/ not** | **Habitat specialist/ not** | **Commensal/not** | **Temporal size trend** | **Predictors** | **Time span** | **Reference** |
| Cricetidae | *Abrothrix* | *longipilis* | SA | 30.29 | 717952.11  5 km2 | 3.85 | 36.7 | Yes | No | No | No | No | Decrease | Increased temperature | 100+ years | Pergams & Lawler 2009 |
| Cricetidae | *Abrothrix* | *olivaceus* | SA | 18.39 | 1085022  km2 | 3.85 | 39 | - | No | No | No | No | No response | - | 100+ years | Pergams & Lawler 2009 |
| Cricetidae | *Abrothrix* | *sanborni* | SA | 42.58 | 4530.491  km2 | 3.85 | 25 | No | No | No | Yes | No | No response | - | 100+ years | Pergams & Lawler 2009 |
| Cricetidae | *Dicrostonyx* | *groenlandicus* | NA | 83.63 | 2561987  km2 | 3.4 | 66 | Yes | No | No | Yes | No | No response | - | 1956-2015 | Villar & Naya, 2018 |
| Cricetidae | *Eothenomys* | *smithii* | Asia | 38.43963 | 145776.93 km2 | 4.4 | 42.5 | No | No | No | No | No | No response |  | 1920-1989 | Yom-Tov & Yom-Tov 2004 |
| Cricetidae | *Lemmus* | *trimucronatus* | NA | 74.56 | 5779510  km2 | 3.7 | 80 | No | No | No | Yes | No | Decrease | Global warming | 1951-2015 | Villar & Naya, 2018 |
| Cricetidae | Microtus | agrestis | Mediterranea, Europe | 71.1225 | 20524261.42 km2 | 4.4 | 42.5 | No | No | No | No | No | No response |  | 1895-2004 | Yom-Tov et al 2012 |
| Cricetidae | *Microtus* | *longicaudus* | NA | 68.14 | 40214210  km2 | 5 | 37 | Yes | No | Yes | No | Yes | No response | - | 1956-2015 | Villar & Naya, 2018 |
| Cricetidae | *Microtus* | *mexicanus* | NA | 37.58 | 854502.16  km2 | 2.3 | 35 | No | No | Yes | Yes | No | No response | - | 100+ years | Pergams & Lawler 2009 |
| Cricetidae | *Microtus* | *miurus* | NA | 70.89 | 1431571  km2 | 8.2 | 41 | Yes | No | Yes | Yes | No | Decrease | Global warming | 1947-2015 | Villar & Naya, 2018 |
| Cricetidae | *Microtus* | *oeconomus* | Europe, Asia, NA | 75.54 | 19507729  km2 | 6.9 | 50 | No | No | Yes | Yes | No | Decrease | Global warming | 1947-2015 | Villar & Naya, 2018 |
| Cricetidae | *Microtus* | *pennsylvanicus* | NA | 70.25 | 11963797  km2 | 5.5 | 44 | Yes | No | Unknown | No | Yes | Decrease | Global warming | 1928-2015 | Villar & Naya, 2018 |
| Cricetidae | *Myodes* | *gapperi* | NA | 62.43 | 8370580  km2 | 3.7 | 21 | Yes | No | Yes | Yes | No | Decrease | Global warming | 1932-2015 | Villar & Naya, 2018 |
| Cricetidae | *Neotoma* | *albigula* | NA | 39.12 | 845054  km2 | 2 | 197 | No | Yes | No | No | Yes | Decrease | Climate warming | 8 years | Smith et al. 1998 |
| Cricetidae | *Peromyscus* | *leucopus* | NA | 51.13 | 5831155  km2 | 4.5 | 23 | No | Yes | No | No | No | Decrease | Global warming | 1929-2015 | Villar & Naya, 2018 |
| Cricetidae | *Peromyscus* | *maniculatus* | NA | 65.65 | 13316662  km2 | 5 | 20 | No | Yes | Yes | No | No | Decrease | Global warming | 1932-2015 | Villar & Naya, 2018 |
| Cricetidae | *Reithrodontomys* | *megalotis* | NA | 50.61 | 5116675  km2 | 4 | 11 | No | Yes | Yes | No | No | No response |  | 1956-2016 | Villar & Naya, 2018 |
| Cricetidae | *Sigmodon* | *hispidus* | NA | 40.94 | 2615709  km2 | 5 | 159 | No | Yes | No | No | Yes | No response |  | 1933-2015 | Villar & Naya, 2018 |
| Dipodidae | *Napaeozapus* | *insignis* | NA | 54.23 | 2009949  km2 | 4.5 | 25 | No | No | No | Yes | No | No response |  | 1937-2013 | Villar & Naya, 2018 |
| Dipodidae | *Zapus* | *hudsonius* | NA | 65.03 | 8737705  km2 | 5 | 18 | No | No | No | No | Yes | No response |  | 1933-2015 | Villar & Naya, 2018 |
| Geomyidae | *Thomomys* | *bottae* | NA | 42.96 | 1541296  km2 | 5.6 | 116 | Yes | Yes | Yes | No | No | No response |  | 1956-2016 | Villar & Naya, 2018 |
| Geomyidae | *Thomomys* | *umbrinus* | NA | 32.86 | 469421.35  9 km2 | 4 | 130 | Yes | Yes | Yes | No | No | No response |  | 100+ years | Pergams & Lawler 2009 |
| Heteromyidae | *Chaetodipus* | *fallax* | NA | 34.36 | 46906.768  km2 | 3 | 20 | Yes | Yes | No | No | No | No response |  | 100+year | Pergams & Lawler 2009 |
| Heteromyidae | *Dipodomys* | *merriami* | NA | 40.39 | 1423668  km2 | 3 | 42 | Yes | Yes | No | No | No | No response |  | 1989-1996 | Koontz et al.  2001 |
| Muridae | *Apodemus* | *flavicollis* | Mediterranea, Europe | 64.03066 | 9591684.17 km2 | 5.5 | 31.6 | Yes | No | No | No | Yes | No response |  | 1895-2002 | Yom-Tov et al 2012 |
| Muridae | *Apodemus* | *speciosus* | Asia | 45.52314 | 467783.451 km2 | 5 | 43.75 | No | No | No | No | Yes | Increase | Warmer autumn, summer and winter | 1949-1989 | Yom-Tov & Yom-Tov 2004 |
| Muridae | Apodemus | sylvaticus | Mediterranea, Europe | 66.53463 | 7555528.104 km2 | 5.2 | 39.4 | Yes | No | Yes | No | Yes | No response |  | 1847-2002 | Yom-Tov et al 2012 |
| Muridae | *Desmodillus* | *auricularis* | Africa | 12.58 | 1955062  km2 | 3 | 46 | Yes | Yes | No | Yes | No | No response |  | 1903-1996 | Current study |
| Muridae | *Gerbilliscus* | *leucogaster* | Africa | 4.92 | 57652391  0 km2 | 5 | 72.2 | No | No | No | Yes | Yes | No response |  | 1905-1997 | Current study |
| Muridae | *Lophuromys* | *flavopunctatus* | Africa | 9.95 | 1820851.7  4 km2 | 2.4 | 69 | No | No | Yes | Yes | No | Decrease | Increased temperature | 100+ years | Pergams & Lawler 2009 |
| Muridae | *Mastomys* | *natalensis (sl)* | Africa | 16.91 | 16655238  km2 | 6.5 | 41 | No | No | No | No | Yes | Increase | Global warming (rainfall) | 1907-2013 | Current study |
| Muridae | *Micaelamys* | *namaquensis* | Africa | 14.85 | 3338607  km2 | 3.3 | 48 | No | Yes | No | No | Yes | No response |  | 1906-2003 | Current study |
| Muridae | *Mus* | *musculus* | Cosmopoli tan | 73.53 | 15150382  5 km2 | 5 | 21 | No | No | No | No | Yes | No response |  | 1930-2015 | Villar & Naya, 2018 |
| Muridae | *Oligoryzomys* | *longicaudatus* | SA | 25.90 | 629012.30  4 km2 | 5 | 28 | No | No | unknown | No | No | Increase | Increased temperature | 100+ years | Pergams & Lawler 2009 |
| Muridae | *Otomys* | *angoniensis* | Africa | 1.02 | 595014  km2 | 3.1 | 114.3 | No | No | No | Yes | No | Decrease | Global warming | 1906-2013 | Nengovhela et al. 2015 |
| Muridae | *Otomys* | *auratus* | Africa | 18.04 | 519018  km2 | 2.8 | 127.3 | No | No | Yes | Yes | No | Decrease | Global warming | 1906-2013 | Nengovhela et al. 2015 |
| Muridae | *Otomys* | *unisulcatus* | Africa | 27.43 | 374311  km2 | 2.09 | 124.5 | No | Yes | No | Yes | No | Decrease | Global warming | 1903-1992 | Current study |
| Muridae | *Parotomys* | *brantsii* | Africa | 23.44 | 679441  km2 | 3.4 | 95 | Yes | Yes | No | Yes | No | No response |  | 1902-1998 | Current study |
| Muridae | *Phyllotis* | *xanthopygus* | SA | 10.68 | 1499353.4  12 km2 | 4.7 | 55 | No | No | Yes | No | No | No response |  | 100+ years | Pergams & Lawler 2009 |
| Muridae | *Praomys* | *jacksoni* | Africa | 11.11 | 3744033.0  37 km2 | 3.8 | 41 | No | No | Yes | No | No | No response |  | 100+ years | Pergams & Lawler 2009 |
| Muridae | *Rattus* | *rattus* | Cosmopoli tan | 61.72 | 43666656  km2 | 8 | 200 | No | No | No | No | Yes | Increase | Island introduction | 1940-2000 | Pergams et al.  2015 |
| Muridae | *Rattus* | *tanezumi* | Asia | 45.61 | 9717373.2  42 km2 | 8 | 140 | No | No | No | No | Yes | No response |  | 100+ years | Pergams & Lawler 2009 |
| Sciuridae | *Callospermophilus* | *lateralis* | NA | 56.39 | 1704569  km2 | 5 | 158 | Yes | No | Yes | No | Yes | Increase | Temperature & snow melt | 1902-1950; 2000-2008 | Eastman et al.  2012 |
| Sciuridae | *Marmota* | *flaviventris* | NA | 51.13 | 1718209  km2 | 4 | 3350 | Yes | No | Yes | Yes | No | Increase | Longer growing season | 1976-2008 | Ozgul et al.  2010 |
| Sciuridae | *Otospermophilus* | *beecheyi* | NA | 46.93 | 467249  km2 | 5 | 500 | Yes | No | Yes | No | Yes | No response |  | 1902–1950;2000–2008 | Eastman et al.  2012 |
| Sciuridae | *Sciurus* | *carolinensis* | NA | 53.41 | 4083837.5  59 km2 | 3 | 540.33 | No | No | No | No | Yes | No response |  | 100+ years | Pergams & Lawler 2009 |
| Sciuridae | *Tamias* | *striatus* | NA | 51.67 | 4197494  km2 | 4 | 96 | Yes | No | No | No | No | No response |  | 100+ years; 1925-2015 | Pergams & Lawler 2009; Villar & Naya, 2018 |
| Sciuridae | *Tamiasciurus* | *hudsonicus* | NA | 67.78 | 10363614  km2 | 4 | 213 | No | No | No | No | Yes | No response |  | 1931-2016 | Villar & Naya, 2018 |
| Sciuridae | *Urocitellus* | *beldingi* | NA | 45.91 | 337683  km2 | 5.7 | 290 | Yes | No | Yes | No | Yes | Increase | Temperature & snow melt | 1902-1950; 2000-2008 | Eastman et al.  2012 |
| Spalacidae | *Tachyoryctes* | *splendens* | Africa | 14.59 | 680054.69  2 km2 | 1.65 | 265.7 | Yes | No | Yes | No | Yes | Increase | Increased temperature | 100+ years | Pergams & Lawler 2009 |

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