

Supplementary Material. Longevity records and associated life history and ecological variables used in this study.

| Genus | Species | Record life span | Progeny per year | Latitude | Colony Size | Female mass (g) | Hibernate | Cave roost | Diet | Record source | Reference |
|--------------------|----------------------|------------------|------------------|----------|-------------|-----------------|-----------|------------|--------|---------------|---------------------------------------|
| <i>Saccopteryx</i> | <i>bilineata</i> | 6.0 | 1.0 | 0 | 50 | 7.9 | no | never | animal | field | J. Bradbury and G. Wilkinson, unpubl. |
| <i>Megaderma</i> | <i>lyra</i> | 14.0 | 1.0 | 20 | 25 | 38.6 | no | sometimes | animal | captive | (Badwaik, 1992) |
| <i>Tadarida</i> | <i>brasiliensis</i> | 10.0 | 1.0 | 0 | 100,000 | 11.2 | no | always | animal | captive | A. Lollar, pers. com. |
| <i>Tadarida</i> | <i>teniotis</i> | 13.0 | 1.0 | 40 | 50 | 35.0 | no | sometimes | animal | field | (Ibanez and Perez-Jorda, 1998) |
| <i>Noctilio</i> | <i>leporinus</i> | 11.5 | 2.0 | 0 | 10 | 55.9 | no | sometimes | animal | captive | (Jones, 1982) |
| <i>Artibeus</i> | <i>jamaicensis</i> | 10.0 | 2.0 | 0 | 20 | 39.8 | no | sometimes | fruit | captive | (Jones, 1982) |
| <i>Carollia</i> | <i>perspicillata</i> | 12.4 | 2.0 | 0 | 100 | 18.9 | no | sometimes | fruit | captive | (Jones, 1982) |
| <i>Desmodus</i> | <i>rotundus</i> | 19.0 | 1.0 | 5 | 100 | 37.0 | no | sometimes | animal | captive | U. Schmidt, pers. com. |

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|-------------------------------|------|-----|----|--------|--------|----|-----------|--------|---------|------------------------------|
| <i>Glossophaga soricina</i> | 10.0 | 2.0 | 0 | 50 | 9.9 | no | sometimes | fruit | captive | (Jones, 1982) |
| <i>Macrotus californicus</i> | 10.4 | 1.0 | 25 | 50 | 16.0 | no | always | animal | field | (Tuttle and Stevenson, 1982) |
| <i>Phyllostomus discolor</i> | 9.0 | 1.7 | 10 | 200 | 43.4 | no | sometimes | fruit | captive | G. Kwiezinski, pers. com. |
| <i>Phyllostomus hastatus</i> | 18.0 | 1.0 | 0 | 100 | 81.0 | no | sometimes | animal | field | GSW, unpublished |
| <i>Platyrrhinus lineatus</i> | 10.2 | 2.0 | 15 | 13 | 22.6 | no | sometimes | fruit | captive | (Carey and Judge, 2001b) |
| <i>Eidolon helvum</i> | 21.8 | 1.0 | 10 | 50,000 | 325.0 | no | sometimes | fruit | captive | (Tuttle and Stevenson, 1982) |
| <i>Pteropus giganteus</i> | 31.4 | 1.0 | 10 | 900 | 1021.0 | no | never | fruit | captive | (Jones, 1982) |
| <i>Pteropus rodricensis</i> | 24.1 | 1.0 | 20 | | 350.0 | no | never | fruit | captive | (Jones, 1982) |
| <i>Rousettus aegyptiacus</i> | 22.9 | 1.0 | 0 | 3,000 | 142.0 | no | always | fruit | captive | (Jones, 1982) |
| <i>Rousettus leschenaulti</i> | 14.0 | 1.0 | 15 | | 80.0 | no | always | fruit | captive | (Badwaik, 1992) |
| <i>Hipposideros fulvus</i> | 13.0 | 1.0 | 15 | 50 | 7.0 | | sometimes | animal | field | (Tuttle and Stevenson, |

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|----------------------------------|------|-----|----|-----|------|-----|-----------|--------|-------|------------------------------------|--|-------|
| | | | | | | | | | | | | 1982) |
| <i>Rhinolophus ferrumequinum</i> | 30.5 | 1.0 | 45 | 100 | 23.5 | yes | sometimes | animal | field | (Caubere <i>et al.</i> , 1984) | | |
| <i>Rhinolophus hipposideros</i> | 21.2 | 1.0 | 45 | 50 | 4.6 | yes | sometimes | animal | field | (Harmata, 1981) | | |
| <i>Rhinolophus megaphyllus</i> | 7.5 | 1.0 | 20 | 2 | 9.8 | yes | always | animal | field | (Young, 2001) | | |
| <i>Antrozous pallidus</i> | 9.1 | 2.0 | 35 | 60 | 32.0 | yes | sometimes | animal | field | (Tuttle and Stevenson, 1982) | | |
| <i>Barbastella barbastellus</i> | 23.0 | 1.0 | 42 | 20 | 8.0 | yes | sometimes | animal | field | (Schober and Grimmberger, 1997) | | |
| <i>Eptesicus fuscus</i> | 19.0 | 2.0 | 30 | 50 | 16.9 | yes | sometimes | animal | field | (Hitchcock, 1965) | | |
| <i>Eptesicus nilssonii</i> | 15.5 | 2.0 | 56 | 40 | 13.0 | yes | sometimes | animal | field | (Schober and Grimmberger, 1997) | | |
| <i>Eptesicus serotinus</i> | 19.0 | 1.0 | 40 | 20 | 23.4 | yes | sometimes | animal | field | (Tuttle and Stevenson, 1982) | | |
| <i>Lasionycteris noctivagans</i> | 12.0 | 2.0 | 35 | 12 | 10.0 | yes | sometimes | animal | field | (Tuttle and Stevenson, 1982) | | |

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|--------------------|---------------------|------|-----|----|-------|------|-----|-----------|--------|---------|------------------------------------|
| <i>Lasiurus</i> | <i>cinereus</i> | 12.0 | 2.0 | 40 | 1 | 30.0 | no | never | animal | captive | R.L. Timm, unpubl. |
| <i>Miniopterus</i> | <i>schreibersii</i> | 22.0 | 1.5 | 30 | 4,040 | 13.0 | yes | sometimes | animal | field | (Cardinal, 2002) |
| <i>Myotis</i> | <i>bechsteini</i> | 21.0 | 1.0 | 42 | 15 | 10.5 | yes | never | animal | field | (Henze, 1979) |
| <i>Myotis</i> | <i>blythii</i> | 33.0 | 1.0 | 35 | 200 | 23.0 | yes | sometimes | animal | field | (Arlettaz <i>et al.</i> , 2002) |
| <i>Myotis</i> | <i>brandti</i> | 38.0 | 1.0 | 50 | 30 | 7.0 | yes | sometimes | animal | field | (Khritankov and Ovodov, 2001) |
| <i>Myotis</i> | <i>dasycneme</i> | 20.5 | 1.0 | 55 | 200 | 15.0 | yes | sometimes | animal | field | (Schober and Grimmberger, 1997) |
| <i>Myotis</i> | <i>daubentoni</i> | 28.0 | 1.0 | 45 | 40 | 8.5 | yes | sometimes | animal | field | (Schober and Grimmberger, 1997) |
| <i>Myotis</i> | <i>emarginatus</i> | 22.7 | 1.0 | 40 | 100 | 11.0 | yes | sometimes | animal | field | (Danko, 1995) |
| <i>Myotis</i> | <i>evotis</i> | 22.0 | 1.0 | 40 | 20 | 7.4 | yes | sometimes | animal | field | (Tuttle and Stevenson, 1982) |
| <i>Myotis</i> | <i>grisescens</i> | 16.5 | 1.0 | 35 | 1,000 | 10.5 | yes | always | animal | field | (Tuttle and Stevenson, 1982) |

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|---------------|------------------------|------|-----|----|-----|------|-----|-----------|--------|-------|--------------------------------|
| <i>Myotis</i> | <i>keenii</i> | 18.5 | 1.0 | 40 | 15 | 6.8 | yes | sometimes | animal | field | (Tuttle and Stevenson, 1982) |
| <i>Myotis</i> | <i>leibii</i> | 12.0 | 1.0 | 38 | 20 | 5.6 | yes | sometimes | animal | field | (Paradiso and Greenhall, 1967) |
| <i>Myotis</i> | <i>lucifugus</i> | 34.0 | 1.0 | 45 | 500 | 6.8 | yes | sometimes | animal | field | (Davis and Hitchcock, 1995) |
| <i>Myotis</i> | <i>myotis</i> | 21.8 | 1.0 | 40 | 500 | 25.6 | yes | sometimes | animal | field | (Neverly, 1987) |
| <i>Myotis</i> | <i>mystacinus</i> | 24.0 | 1.0 | 50 | 35 | 5.3 | yes | sometimes | animal | field | (Stebbins and Griffith, 1986) |
| <i>Myotis</i> | <i>nattereri</i> | 20.0 | 1.0 | 42 | 30 | 7.5 | yes | sometimes | animal | field | (Stebbins and Griffith, 1986) |
| <i>Myotis</i> | <i>nigricans</i> | 7.0 | 3.0 | 0 | 100 | 4.0 | no | never | animal | field | (Wilson and Tyson, 1970) |
| <i>Myotis</i> | <i>septentrionalis</i> | 19.0 | 1.0 | 44 | 40 | 7.0 | yes | sometimes | animal | field | (Kurta, 1995) |
| <i>Myotis</i> | <i>sodalis</i> | 20.0 | 1.0 | 38 | 20 | 7.4 | yes | sometimes | animal | field | (LaVal and LaVal, |

1980)

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|-----------------|-------------------|------|-----|----|------|------|-----|-----------|--------|---------|---------------------------------|
| <i>Myotis</i> | <i>thysanodes</i> | 18.3 | 1.0 | 30 | 200 | 6.0 | yes | sometimes | animal | field | (Tuttle and Stevenson, 1982) |
| <i>Myotis</i> | <i>velifer</i> | 11.3 | 1.0 | 20 | 500 | 11.9 | yes | always | animal | field | (Tuttle and Stevenson, 1982) |
| <i>Myotis</i> | <i>vivesi</i> | 10.0 | 1.0 | 25 | 1000 | 25.0 | no | sometimes | animal | captive | (Tuttle and Stevenson, 1982) |
| <i>Myotis</i> | <i>volans</i> | 21.0 | 1.0 | 40 | 200 | 7.0 | yes | sometimes | animal | field | (Tuttle and Stevenson, 1982) |
| <i>Myotis</i> | <i>yumanensis</i> | 8.8 | 1.0 | 30 | 1000 | 6.0 | | sometimes | animal | field | (Tuttle and Stevenson, 1982) |
| <i>Nyctalus</i> | <i>leisleri</i> | 16.0 | 1.5 | 50 | 30 | 16.0 | yes | sometimes | animal | field | (Stebbins and Griffith, 1986) |
| <i>Nyctalus</i> | <i>noctula</i> | 12.0 | 1.5 | 48 | 20 | 28.0 | yes | never | animal | field | (Schober and Grimmberger, 1997) |

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|---------------------|---------------------|------|-----|----|-----|------|-----|-----------|--------|-------|------------------------------------|
| <i>Nycticeius</i> | <i>humeralis</i> | 6.0 | 2.3 | 30 | 100 | 10.5 | no | never | animal | field | GSW, unpublished |
| <i>Pipistrellus</i> | <i>kuhlii</i> | 8.0 | 2.0 | 10 | 12 | 6.0 | no | never | animal | field | (Schober and Grimmberger, 1997) |
| <i>Pipistrellus</i> | <i>nathusii</i> | 11.0 | 2.0 | 48 | 10 | 10.0 | yes | never | animal | field | (Haensel, 1994) |
| <i>Pipistrellus</i> | <i>pipistrellus</i> | 16.0 | 1.2 | 50 | 200 | 5.0 | yes | sometimes | animal | field | (Stebbins and Griffith, 1986) |
| <i>Pipistrellus</i> | <i>subflavus</i> | 14.8 | 2.0 | 32 | 10 | 5.3 | yes | sometimes | animal | field | (Tuttle and Stevenson, 1982) |
| <i>Plecotus</i> | <i>auritus</i> | 30.0 | 1.0 | 52 | 75 | 7.2 | yes | sometimes | animal | field | (Lehmann <i>et al.</i> , 1992) |
| <i>Plecotus</i> | <i>austriacus</i> | 15.0 | 1.0 | 45 | 25 | 10.5 | yes | sometimes | animal | field | (Carey and Judge, 2001b) |
| <i>Plecotus</i> | <i>rafinesque</i> | 10.1 | 1.0 | 28 | 40 | 8.7 | yes | sometimes | animal | field | (Paradiso and Greenhall, 1967) |
| <i>Plecotus</i> | <i>townsendi</i> | 16.4 | 1.0 | 36 | 50 | 9.0 | yes | sometimes | animal | field | (Paradiso and Greenhall, 1967) |

Vespertilio murinus 12.0 2.0 50 1000 16.0 yes never animal field (Schober and
Grimmberger, 1997)
