**The Defensive Activation theory: dreaming as a mechanism to prevent takeover of the visual cortex**

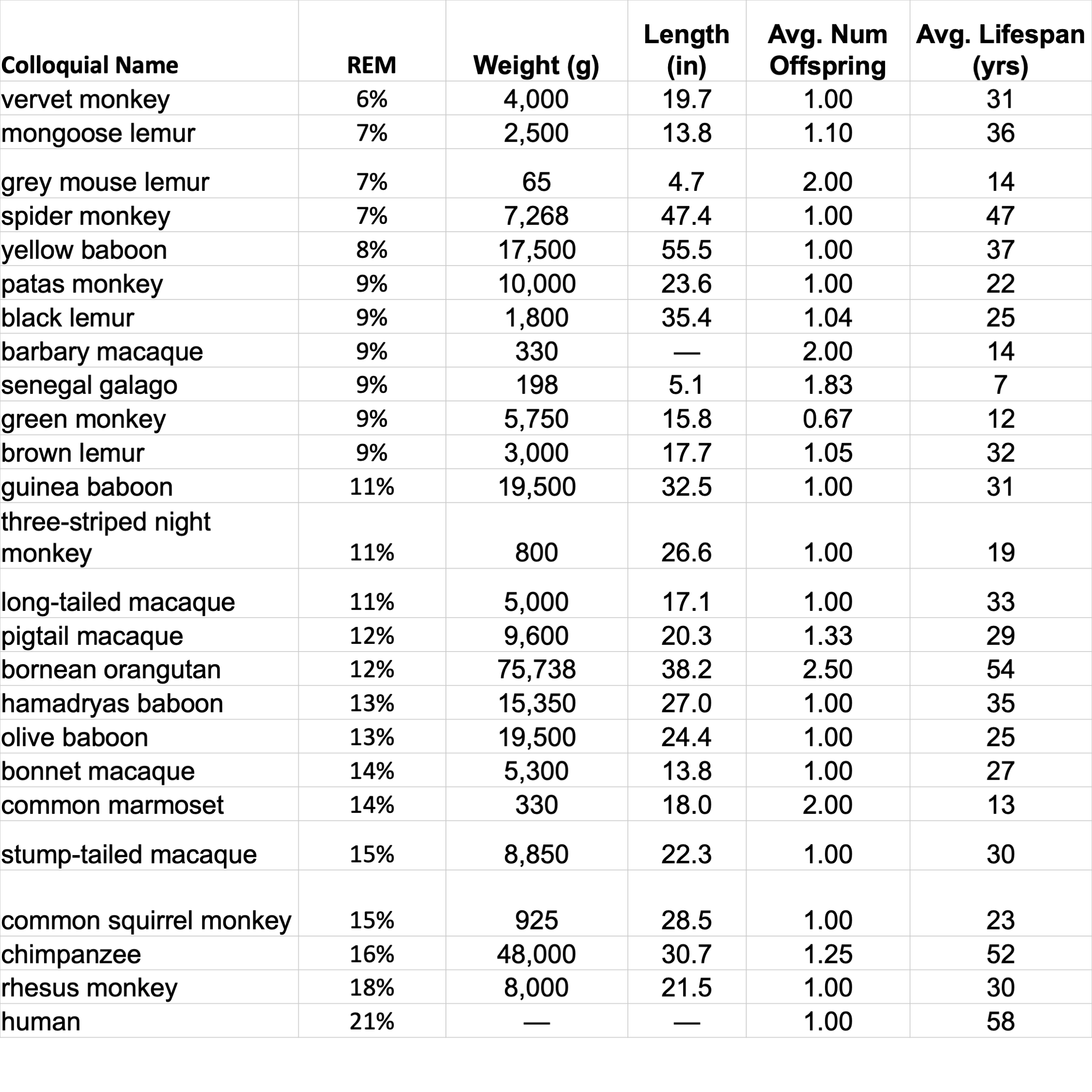
Supplemental Online Materials

### Supplemental Methods

We collected published measures of REM sleep (specifically, the fraction of sleep time spent in REM) for 25 species of primate, all of whom such measures were available: mongoose lemur [(1, 2)](https://paperpile.com/c/Pt9uGv/Eydp7+jXCsB), grey mouse lemur [(1, 3, 4)](https://paperpile.com/c/Pt9uGv/6bjht+Eydp7+Y4LaZ), vervet monkey [(1, 4, 5)](https://paperpile.com/c/Pt9uGv/gM032+Eydp7+Y4LaZ), patas monkey [(1, 5, 6)](https://paperpile.com/c/Pt9uGv/gM032+tCUMp+Eydp7), black lemur [(2, 4)](https://paperpile.com/c/Pt9uGv/jXCsB+Y4LaZ), barbary macaque [(1, 4, 7)](https://paperpile.com/c/Pt9uGv/o1Jh5+Eydp7+Y4LaZ), pigtail macaque [(8–10)](https://paperpile.com/c/Pt9uGv/bZc5S+gDVL8+9Beb5), guinea baboon [(11–13)](https://paperpile.com/c/Pt9uGv/9RtJY+WwpmS+ifgeE), three-striped night monkey [(1, 6, 14)](https://paperpile.com/c/Pt9uGv/TsyAZ+tCUMp+Eydp7/?locator_label=volume,page,page), bonnet macaque [(15–17)](https://paperpile.com/c/Pt9uGv/eutsA+7kgj6+bz5EH), bornean orangutan [(18)](https://paperpile.com/c/Pt9uGv/N5ZRU), hamadryas baboon [(4, 19)](https://paperpile.com/c/Pt9uGv/Gwhmg+Y4LaZ), olive baboon [(1, 20, 21)](https://paperpile.com/c/Pt9uGv/WV9UW+Eydp7+CCJnw), chimpanzee [(6, 22, 23)](https://paperpile.com/c/Pt9uGv/1pByk+gnHqQ+tCUMp), stump-tailed macaque [(1, 4, 24)](https://paperpile.com/c/Pt9uGv/g0SVK+Eydp7+Y4LaZ), long-tailed macaque [(25)](https://paperpile.com/c/Pt9uGv/i0KDn), common marmoset [(1, 25, 26)](https://paperpile.com/c/Pt9uGv/xO7m9+i0KDn+Eydp7), common squirrel monkey [(27–29)](https://paperpile.com/c/Pt9uGv/SPCJr+Ujm6U+WJoRi), rhesus monkey [(13, 30, 31)](https://paperpile.com/c/Pt9uGv/out2N+ifgeE+Gk2ub), human [(32–34)](https://paperpile.com/c/Pt9uGv/wX5b8+OAjAM+qZI2B), senegal galago [(4, 6, 35)](https://paperpile.com/c/Pt9uGv/CWT2o+tCUMp+Y4LaZ), yellow baboon [(4, 36)](https://paperpile.com/c/Pt9uGv/Y4LaZ+nAVN1), green monkey [(5, 37)](https://paperpile.com/c/Pt9uGv/gM032+nyy7p), spider monkey [(38)](https://paperpile.com/c/Pt9uGv/rRqwb), and brown lemur [(2)](https://paperpile.com/c/Pt9uGv/jXCsB).

### Supplemental Results

We gathered 4 variables not related to plasticity that were obtainable across these 25 primate species: body mass, length of body, number of offspring, and average lifespan.



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