**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%2BjXCsB), grey mouse lemur [(1, 3, 4)](https://paperpile.com/c/Pt9uGv/6bjht%2BEydp7%2BY4LaZ), vervet monkey [(1, 4, 5)](https://paperpile.com/c/Pt9uGv/gM032%2BEydp7%2BY4LaZ), patas monkey [(1, 5, 6)](https://paperpile.com/c/Pt9uGv/gM032%2BtCUMp%2BEydp7), black lemur [(2, 4)](https://paperpile.com/c/Pt9uGv/jXCsB%2BY4LaZ), barbary macaque [(1, 4, 7)](https://paperpile.com/c/Pt9uGv/o1Jh5%2BEydp7%2BY4LaZ), pigtail macaque [(8–10)](https://paperpile.com/c/Pt9uGv/bZc5S%2BgDVL8%2B9Beb5), guinea baboon [(11–13)](https://paperpile.com/c/Pt9uGv/9RtJY%2BWwpmS%2BifgeE), three-striped night monkey [(1, 6, 14)](https://paperpile.com/c/Pt9uGv/TsyAZ%2BtCUMp%2BEydp7/?locator_label=volume,page,page), bonnet macaque [(15–17)](https://paperpile.com/c/Pt9uGv/eutsA%2B7kgj6%2Bbz5EH), bornean orangutan [(18)](https://paperpile.com/c/Pt9uGv/N5ZRU), hamadryas baboon [(4, 19)](https://paperpile.com/c/Pt9uGv/Gwhmg%2BY4LaZ), olive baboon [(1, 20, 21)](https://paperpile.com/c/Pt9uGv/WV9UW%2BEydp7%2BCCJnw), chimpanzee [(6, 22, 23)](https://paperpile.com/c/Pt9uGv/1pByk%2BgnHqQ%2BtCUMp), stump-tailed macaque [(1, 4, 24)](https://paperpile.com/c/Pt9uGv/g0SVK%2BEydp7%2BY4LaZ), long-tailed macaque [(25)](https://paperpile.com/c/Pt9uGv/i0KDn), common marmoset [(1, 25, 26)](https://paperpile.com/c/Pt9uGv/xO7m9%2Bi0KDn%2BEydp7), common squirrel monkey [(27–29)](https://paperpile.com/c/Pt9uGv/SPCJr%2BUjm6U%2BWJoRi), rhesus monkey [(13, 30, 31)](https://paperpile.com/c/Pt9uGv/out2N%2BifgeE%2BGk2ub), human [(32–34)](https://paperpile.com/c/Pt9uGv/wX5b8%2BOAjAM%2BqZI2B), senegal galago [(4, 6, 35)](https://paperpile.com/c/Pt9uGv/CWT2o%2BtCUMp%2BY4LaZ), yellow baboon [(4, 36)](https://paperpile.com/c/Pt9uGv/Y4LaZ%2BnAVN1), green monkey [(5, 37)](https://paperpile.com/c/Pt9uGv/gM032%2Bnyy7p), 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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