

| TAXA                      | NUCLEAR SEQUENCES |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                |          | MITOCHONDRIAL SEQUENCES |     |      |      |      | REFERENCES                |
|---------------------------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------------|----------|-------------------------|-----|------|------|------|---------------------------|
|                           | ZFY               | ABCA1    | ADORA3   | AFF2     | AFF2.2   | ZIC3     | APP      | ATXN7    | AXIN1    | BCHE     | BCOR     | BDNF     | RAG1     | RAG2     | RPGRIP1  | NEGR1    | FAM123B  | ERC2     | CREM           | FOXP1    | ND1                     | ND2 | COX1 | COX2 | CYTB |                           |
| <i>Alouatta caraya</i>    | HM756997          | HM765258 | HM765172 | HM764895 | HM764810 | HM756918 | HM764642 | HM764399 | HM764314 | HM764195 | HM763993 | HM763842 | HM759098 | HM758927 | HM758642 | HM760248 | HM762089 | HM762200 | HM763016       | HM761499 | KC757384                |     |      |      |      | Finstermeier et al., 2013 |
| <i>Ateles belzebuth</i>   | HM757002          | HM765257 | HM765181 | HM764894 | HM764818 | HM756842 | HM764650 | HM764388 | HM764323 | HM764109 | HM763998 | HM763847 | HM759107 | HM758936 | HM758640 | HM760247 | HM762098 | HM762203 | HM763024       | HM761498 | FJ785422                |     |      |      |      | Finstermeier et al., 2013 |
| <i>Brachyteles</i>        | HM756986          | HM765271 | HM765156 | HM764911 | HM764797 | HM756914 |          |          | HM764298 | HM764186 | HM763977 |          | HM759083 | HM758911 | HM758662 | HM760264 |          | HM762184 | HM763030       | HM761515 | JX262672                |     |      |      |      | Schrago et al., 2012      |
| <i>Cebus sp</i>           | HM757009          | HM765278 | HM765190 | HM764920 | HM764827 | HM756849 | HM764658 | HM764408 | HM764330 | HM764118 | HM764007 | HM763853 | HM759116 | HM758945 | HM758673 | HM760273 | HM762107 | HM762284 | HM763048       |          | NC_002763               |     |      |      |      | Arnason et al., 2000      |
| <i>Aotus sp</i>           | HM756999          | HM765269 | HM765175 | HM764909 | HM764813 | HM756838 | HM764645 | HM764402 | HM764317 | HM764102 | HM763994 | HM763846 | HM759102 | HM758931 | HM758656 | HM760262 | HM762092 | HM762324 | HM763019       | HM761513 | FJ785421                |     |      |      |      | Hodgson et al., 2009      |
| <i>Saimiri sciureus</i>   |                   | HM765401 | HM765206 | HM765053 | HM764844 | HM756867 | HM764671 | HM764530 | HM764348 | HM764132 | HM764024 | HM763865 | HM759131 | HM758963 | HM758816 | HM760405 | HM762126 | HM762269 | HM763149       | HM761651 | FJ785425                |     |      |      |      | Hodgson et al., 2009      |
| <i>Saguinus sp</i>        | HM757017          | HM765392 | HM765198 | HM765044 | HM764836 | HM756857 | HM764665 | HM764522 | HM764339 | HM764087 | HM764016 | HM763859 | HM759124 | HM758954 | HM758806 | HM760396 | HM762116 | HM762330 | HM763147       | HM761642 | KC757409                |     |      |      |      | Finstermeier et al., 2013 |
| <i>Callithrix jacchus</i> | HM756990          | HM765296 | HM765164 | HM764939 | HM764804 | HM756828 | HM764635 | HM764425 | HM764306 | HM764113 | HM763985 | HM763836 | HM759090 | HM758919 | HM758694 | HM760291 | HM762082 |          | XM_009000180.4 | HM761540 | KC757388                |     |      |      |      | Finstermeier et al., 2013 |
| <i>Cebuella pygmaea</i>   | HM756993          | HM765307 | HM765167 | HM764952 |          | HM756831 | HM764638 | HM764433 | HM764309 | HM764122 | HM763987 | HM763838 | HM759093 | HM758922 | HM758711 | HM760303 | HM762085 | HM762328 | HM763046       | HM761552 | KC757389                |     |      |      |      | Finstermeier et al., 2013 |
| <i>Leontopithecus sp</i>  | HM756994          | HM765337 | HM765169 | HM764985 | HM764808 | HM756833 | HM764640 | HM764463 | HM764311 | HM764086 | HM763989 | HM763840 | HM759095 | HM758924 | HM758746 | HM760338 | HM762087 | HM762329 | HM763098       | HM761582 | KC757399                |     |      |      |      | Finstermeier et al., 2013 |
| <i>Callicebus sp</i>      | HM757018          | HM765286 | HM765210 | HM764929 | HM764848 | HM756869 | HM764674 | HM764416 | HM764350 | HM764111 | HM764028 | HM763867 | HM759137 | HM758966 | HM758682 | HM760281 | HM762129 | HM762289 | HM763034       | HM761530 | FJ785423                |     |      |      |      | Hodgson et al., 2009      |
| <i>Callimico sp</i>       | HM756988          | HM765291 | HM765160 | HM764934 | HM764800 | HM756825 | HM764632 | HM764421 | HM764302 | HM764218 | HM763981 | AY011480 | HM759087 | HM758915 | HM758688 | HM760286 | HM762079 |          | HM763039       | HM761535 | NC_024628               |     |      |      |      | Menezes et al., 2013      |
| <i>Lagothrix cana</i>     | HM756987          | HM765329 | HM765158 | HM764978 | HM764798 | HM756823 | HM764630 | HM764460 | HM764300 | HM764068 | HM763979 | HM763832 | HM759085 | HM758913 | HM758738 | HM760330 | HM762077 | HM762323 | HM763094       | HM761579 | KC757398                |     |      |      |      | Finstermeier et al., 2013 |
| <i>Pithecia pithecia</i>  | HM757021          | HM765380 | HM765215 | HM765029 | HM764853 | HM756875 | HM764678 | HM764507 | HM764356 | HM764072 | HM764033 | HM763869 | HM759140 | HM758971 | HM758792 | HM760382 | HM762135 | HM762204 | HM763130       | HM761627 | NC_064161               |     |      |      |      | Janiak et al., 2022       |
| <i>Cacajao sp</i>         | HM757008          | HM765283 | HM765187 | HM764926 | HM764824 | HM756848 | HM764655 | HM764414 | HM764328 | HM764110 | HM764004 | HM763852 | HM759113 | HM758942 | HM758678 | HM760278 | HM762104 | HM762297 | HM763032       | HM761527 | KC959985                |     |      |      |      | Finstermeier et al., 2013 |
| <i>Chiropotes sp</i>      | HM757010          | HM765295 | HM765194 | HM764938 | HM764832 | HM756853 | HM764662 |          | HM764335 | HM764183 | HM764012 | HM763856 | HM759120 | HM758950 | HM758713 | HM760290 | HM762112 | HM762183 | HM763067       | HM761539 | KC757393                |     |      |      |      | Finstermeier et al., 2013 |
| <i>Hylobates lar</i>      | HM756976          | HM765324 | HM765143 | HM764973 | HM764784 | HM756810 | HM764617 | HM764455 | HM764286 | HM764136 | HM763965 | HM763822 | HM759071 | HM758898 | HM758733 | HM760325 | HM762064 | HM762210 | HM763091       | HM761574 | NC_002082               |     |      |      |      | Arnason et al., 1996      |
| <i>Presbytis sp</i>       | HM756964          | HM765375 | HM765125 | HM765024 | HM764766 | HM756792 | HM764599 | HM764502 | HM764269 | HM764081 | HM763947 | HM763806 | HM759054 | HM758880 | HM758787 | HM760377 | HM762046 | HM762250 | HM763134       |          | NC_008217               |     |      |      |      | Sterner et al., 2006      |
| <i>Xenothrix</i>          |                   | MK073952 | MK073943 |          |          |          | MK073953 |          |          |          |          |          | MK073949 | MK073950 | MK073960 | MK073959 | MK073958 | MK073957 | MK073954       | MK073945 | MK073942                |     |      |      |      | Woods et al., 2018        |
| <i>Miopithecus sp</i>     |                   | HM765351 | HM765119 | HM765001 | HM764759 | HM756785 | HM764592 | HM764479 | HM764262 | HM764121 | HM763940 | HM763799 | HM759047 | HM758873 |          |          | HM762039 | HM762215 | HM763117       | HM761602 | JQ256997                |     |      |      |      | Guschanski et al., 2013   |