



1



2



3



4



5



6



7



8



9



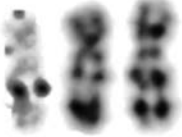
10



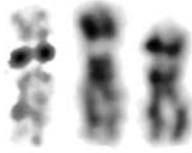
11



12



13



14



15



16



17



18



19



20



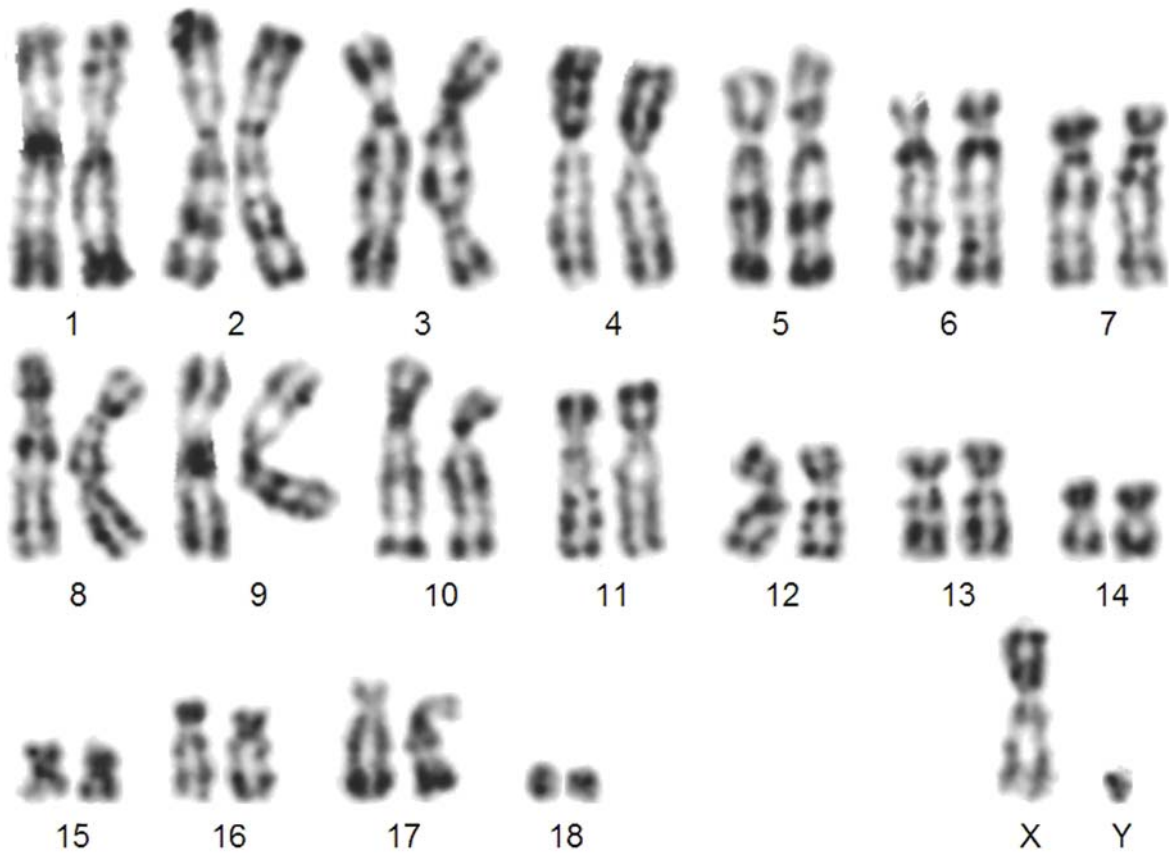
21



22



X





1



2



3



4



5



6



7



8



9



10



11



12



13



14



15



16



17



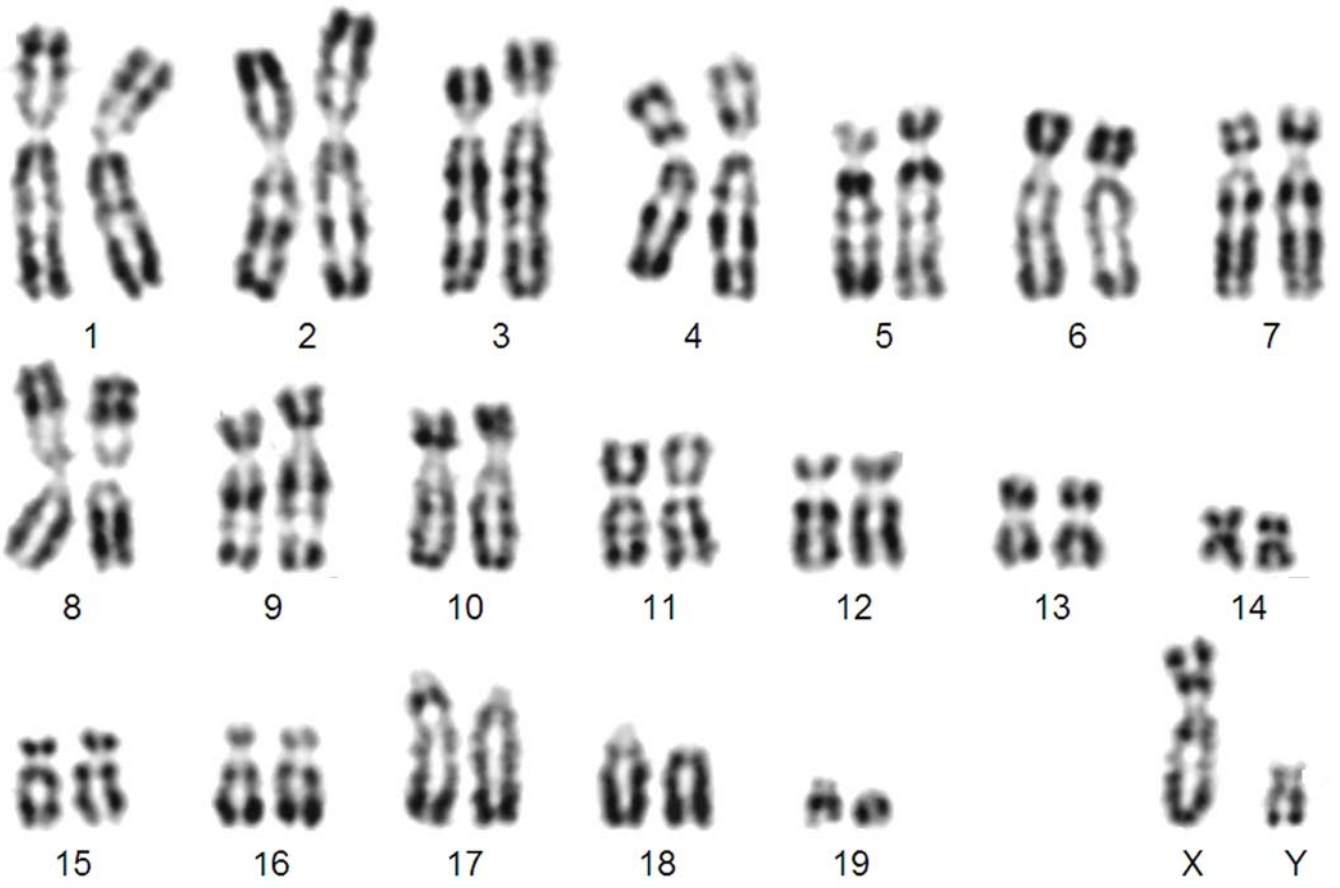
18



19



X



**suppl. fig. 1.** Presumed karyotype of the eutherian ancestor (EUT) with  $2n = 46$ . Numbers of EUT chromosomes are indicated under each chromosomal pair. Each human homology is indicated as a number at the right of each representation.

2. RBG-banded karyotype of *E. munbyanus* ( $2n = 46,XX$ ). For pairs 13 and 14, the additional chromosome at the left is silver stained, exhibiting the NORs.

3. RBG-banded karyotype of *T. rodolphii* ( $2n = 38,XY$ ).

4. *C. caniceps* ( $2n = 40,XX$ ).

5. *C. finlaysonii*