

IS IT POSSIBLE TO RECOGNIZE

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BREED, INDIVIDUALITY AND SEX

BY BARKS

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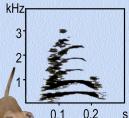
IN RUSSIAN INDIGENOUS WINDHOUNDS ?







This investigation was done as a part of the Program for conservation of Russian aboriginal dog breeds, that is spending in Kennel "Collection of aboriginal windhound breeds".



RESULTS

Our study was done at the kennel
"Collection of aboriginal windhounds breeds"
which belongs to Severtsov Institute of Ecology and Evolution, RAS.

We used two Russian indigenous dog-breeds:
Chortaj Windhound (18 dogs) and Russian Borzoi (8 dogs)

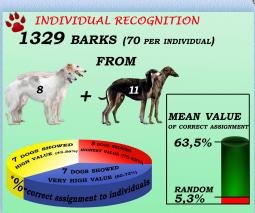
Study was done during 2002- 2004.

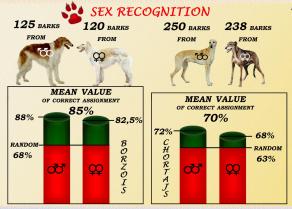
Sounds were recorded in standard situation ("well-known person greeting").

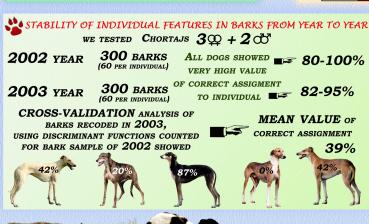
3767 barks were selected for spectrographic analysis.

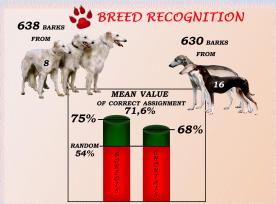
We measured 46 spectrogram parameters for each bank.

* We used DISCRIMINANT ANALYSIS for statistical treatment.





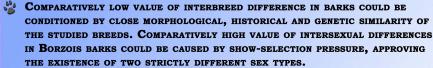






CONCLUSIONS





Structural features in barks varied in stability from year to year in different individuals. In one case we propose that barks of one individual adopted characteristics of barks of a social partner.

