

SUPPLEMENTS

Males and females of the Greater White-fronted Goose (*Anser albifrons*) divide behavioural roles at a spring migratory stopover

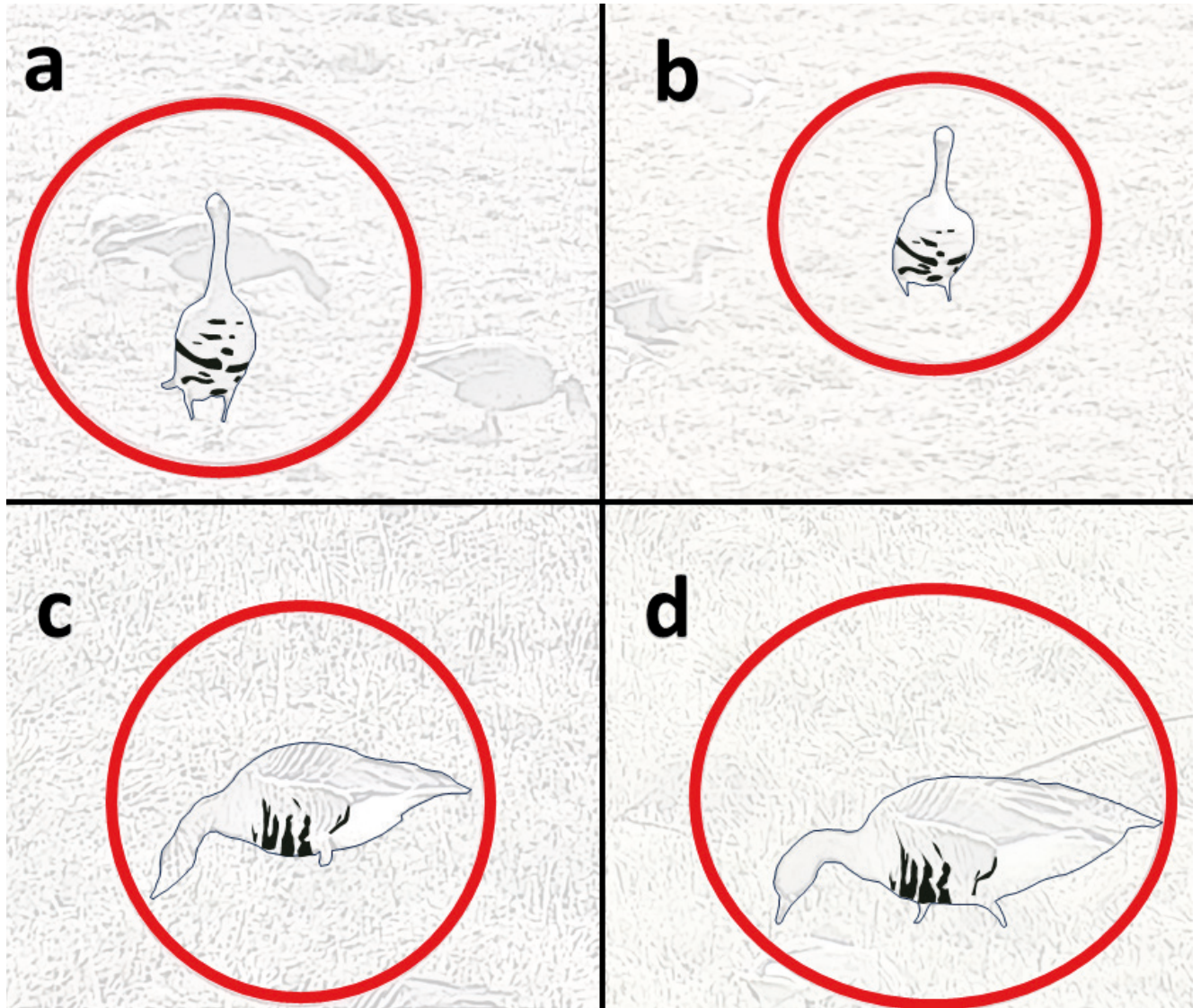
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Supplementary 1. The proportion of time spent by geese close (less than two meters) to the focal goose, %

	Neckband code									
	S2C	S2P	S1H	SP8	ST2	SZ1	ST6	SJ8	S9G	S2V *
Prospective partner	100	88	88	75	98	78	100	91	74	—
1 goose	1	2	15	3	1	45	29	5	1	64
2 goose	10	9	2	1	1	17	63	14	5	68
3 goose	11	6	10	1	11	15	14	8	4	24
4 goose	15	21	10	1	7	47	29	2	6	18
5 goose	12	22	29	3	15	9	60	3	4	26
6 goose	7	15	24	6	10	9	65	1	34	40
7 goose		8	20	8	3	5	10	9	7	44
8 goose		8	3	2	6	5	10	5	11	7
9 goose		8	10	15	43	60	13	22	54	46
10 goose		14	10	23	15			17	37	46
11 goose			3							

* — Goose with the neckband “S2V” did not initially have a potential partner.

Supplementary 2. Belly barring pattern of the partner of the goose with the code "AK5" (a and b) and the partner of the goose with the code "ZYG" (c and d) in different video recordings



Supplementary 3. Parameters of partner identification in Greater White-fronted geese

Neckband code	Number of video recording	Time proportion of separation for entire video, %	Belly barring score in unringed partner	Individual pattern match
G5S-G5G	4	0	Not required	Not required
G5S-G5G	3	5	Not required	Not required
G5S-G5G	2	1	Not required	Not required
G5S-G5G	1	16	Not required	Not required
S2P-S1H	2	5	Not required	Not required
S2P-S1H	1	12	Not required	Not required
G1A	3	3	2	Yes
G1A	2	0	2	Yes
G1A	1	0	5	No
R2H	3	2	3	Yes
R2H	2	0	3	Yes
R2H	1	0	3	Yes
SG9	2	0	2	Yes
SG9	1	26	2	Yes
SH5	2	0	2	Yes
SH5	1	0	2	Yes
SK4	2	12	3	Yes
SK4	1	2	3	Yes
ST2	4	2	2	Yes
ST2	3	15	2	Yes
ST2	2	0	2	Yes
ST2	1	2	2	Yes
SZ8	2	3	3	Yes
SZ8	1	14	3	Yes
ZYG	2	0	3	Yes
ZYG	1	0	3	Yes
AK5	5	0	2	Yes
AK5	4	0	2	Yes
AK5	3	0	2	Yes
AK5	2	0	2	Yes
AK5	1	0	2	Yes
AK6	1	7		
H6A	1	2		
S2C	1	0		
S2H	1	0		
SJ8	1	9		
SP8	1	25		
ST6	1	0		
SZ1	1	22		

Supplementary 4. The results of comparison of the analysed parameters between two years

Table 1. The results of Wilcoxon rank-sum test

Analyzing parameter	V	p-value
Proportion of feeding	217.00	0.08
Proportion of alert	161.00	0.99
Proportion of aggression	148.00	0.65
Proportion of rest	85.00	0.02 *
Proportion of walking	139.50	0.47
Average duration of feeding	187.00	0.44
Average duration of alert	1650.00	0.94
Average duration of aggression	150.50	0.71
Average duration of rest	84.50	0.01 *
Average duration of walking	159.50	0.95
Lateralization strength	198.50	0.25

* — p-value < 0.05.

Table 2. The results of Student's t-test

Analyzing parameter	t	p-value
The number of pecks per min	2.36	0.03 *
The number of steps per min	-0.16	0.87
Lateralization index	-1.56	0.13
Proportion of time following	-1.40	0.17
Average duration of following time	0.05	0.96
Following positions per 10 minutes	-1.63	0.11

* — p-value < 0.05.