Zhenhua Luo, Zhigang Jiang, and Songhua Tang. Impacts of climate change on distributions and diversity of ungulates on the Tibetan Plateau. *Ecological Applications.*

Appendix B. Occurrence records, Jack-knife analysis result, and distributional predictions of single species for the current, 2020, 2050 and, 2080 under the full and zero dispersal hypotheses.
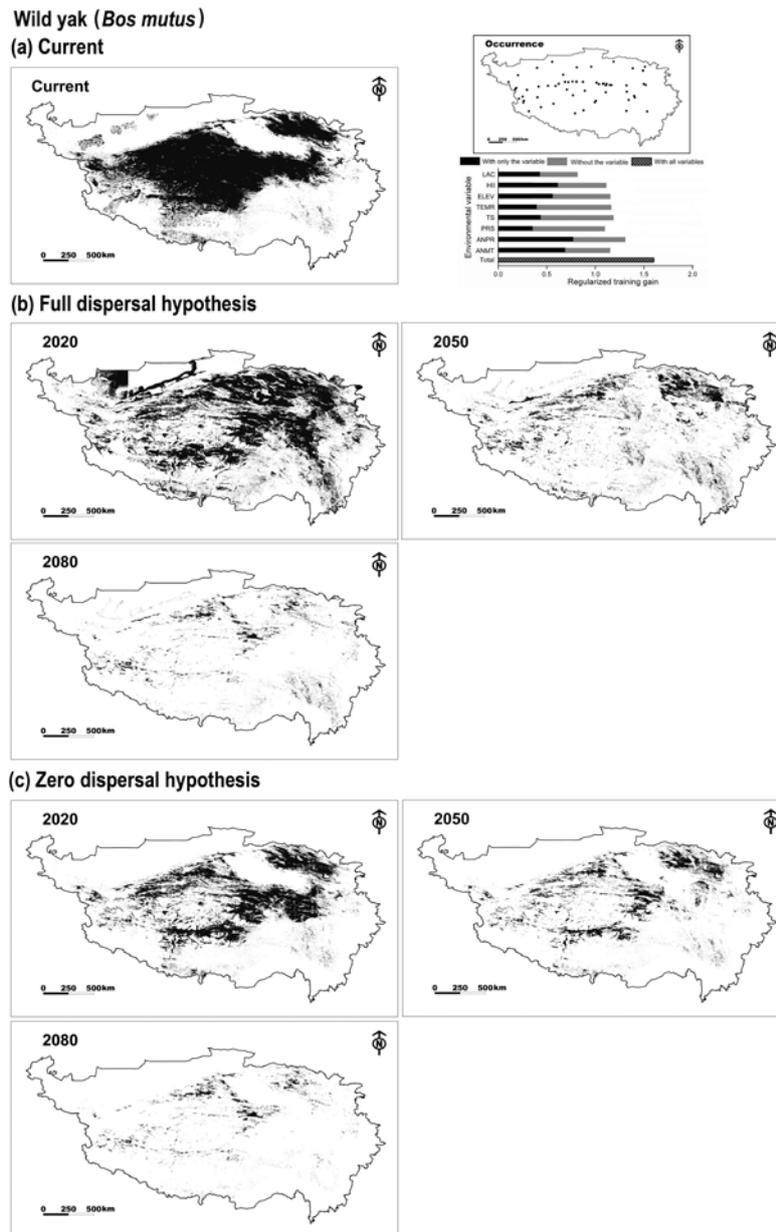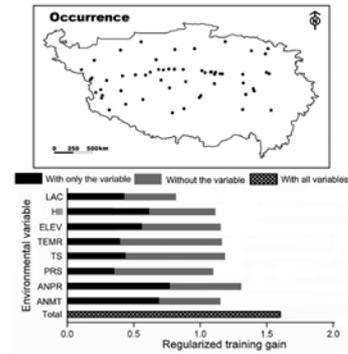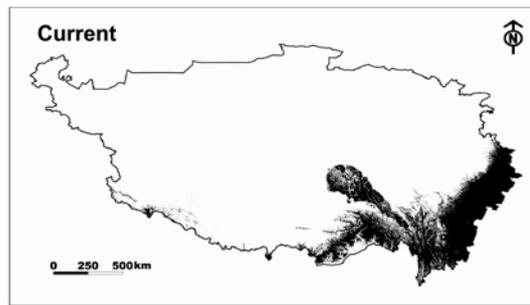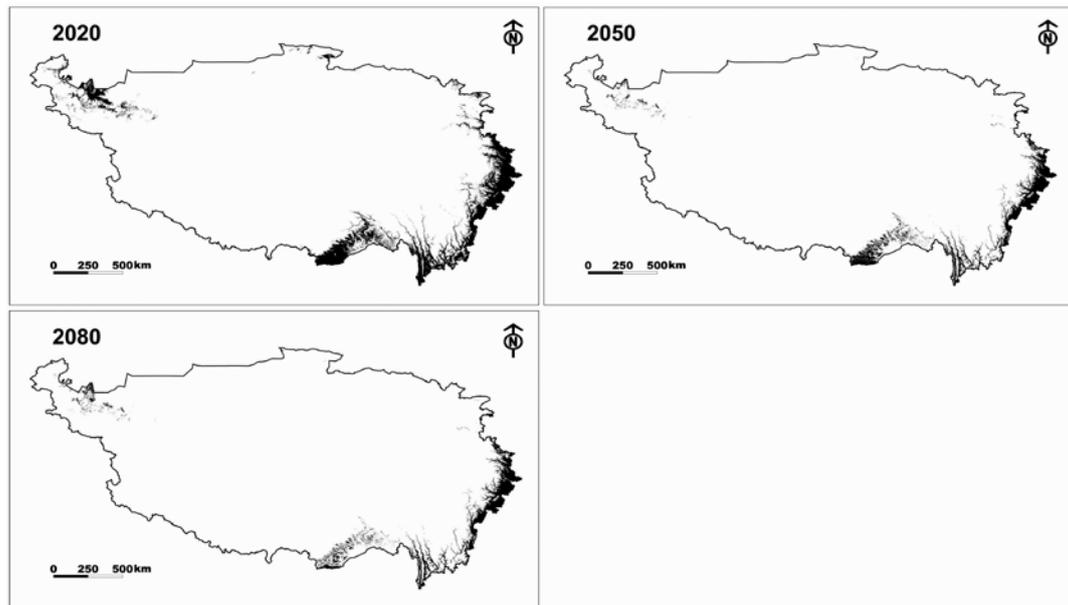

FIG. B1. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of wild yak (*Bos mutus*).

Takin (*Budorcas taxicolor*)

(a) Current

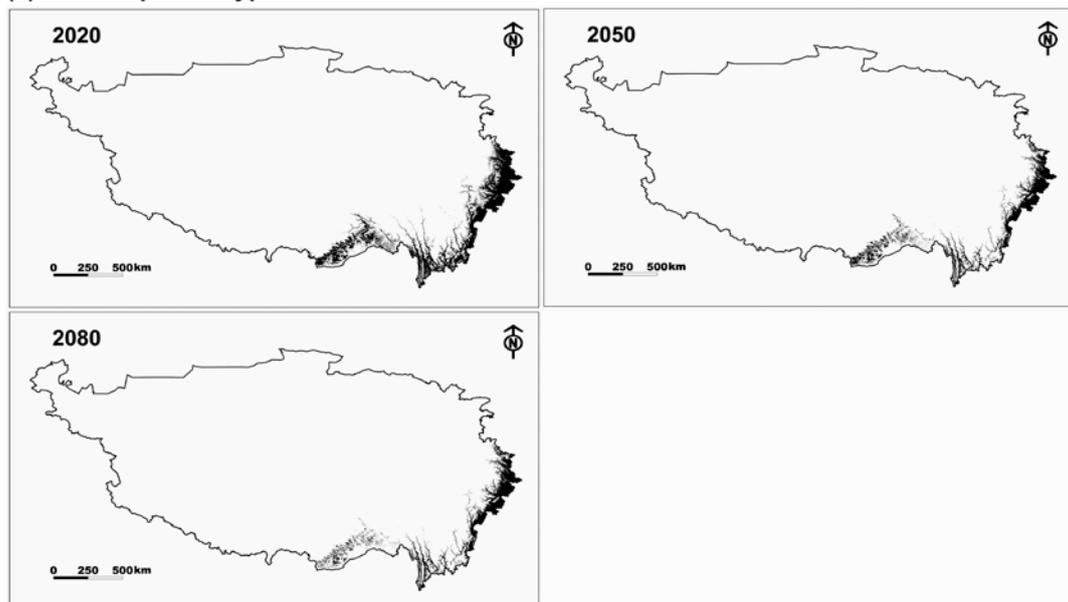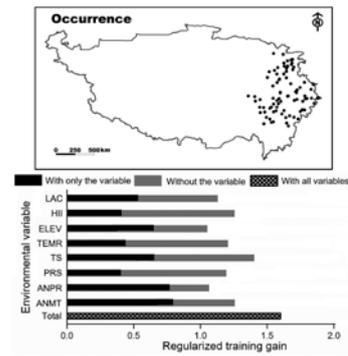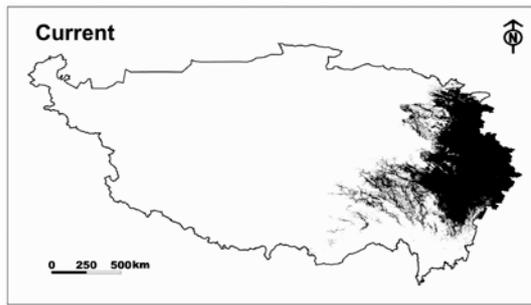## (b) Full dispersal hypothesis
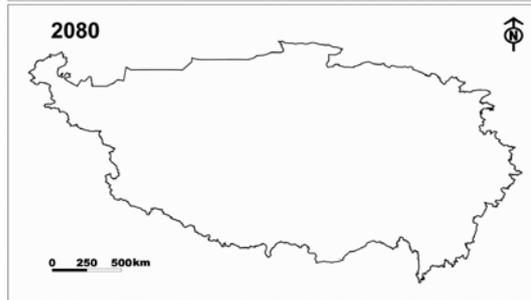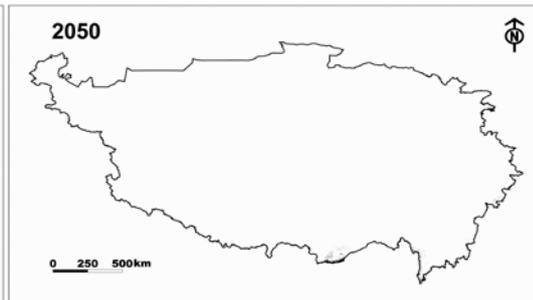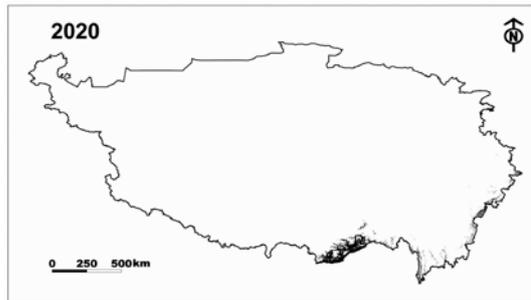

(c) Zero dispersal hypothesis

FIG. B2. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of takin (*Budorcas taxicolor*).

Eastern roe deer (*Capreolus pygargus*)

(a) Current

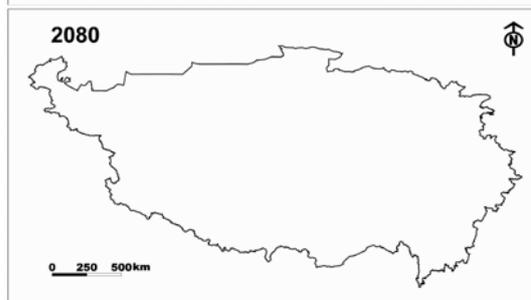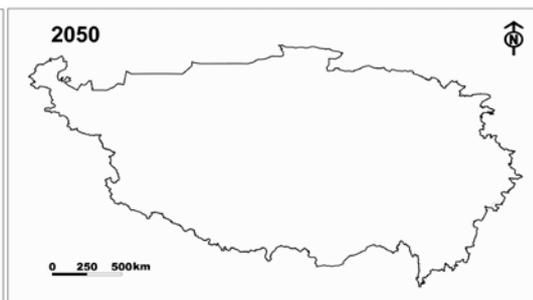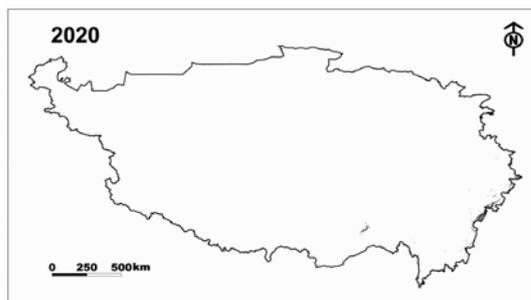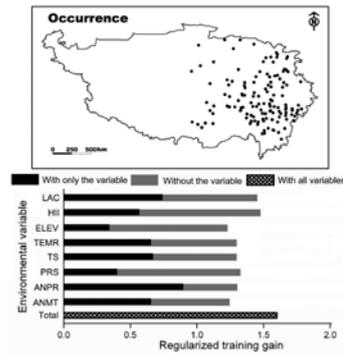### (b) Full dispersal hypothesis
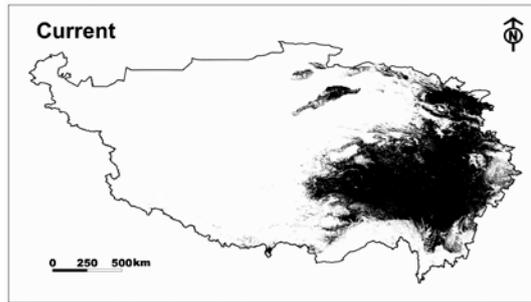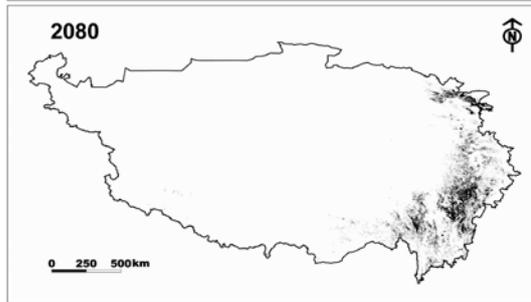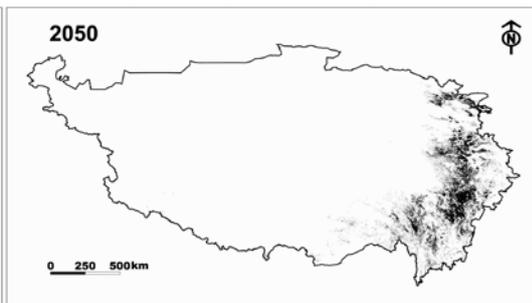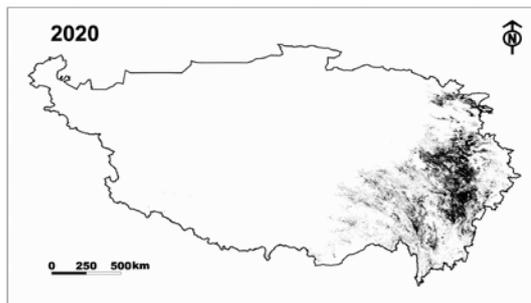

(c) Zero dispersal hypothesis

FIG. B3. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of eastern roe deer (*Capreolus pygargus*).

Thorold's deer (*Cervus albirostris*)

(a) Current

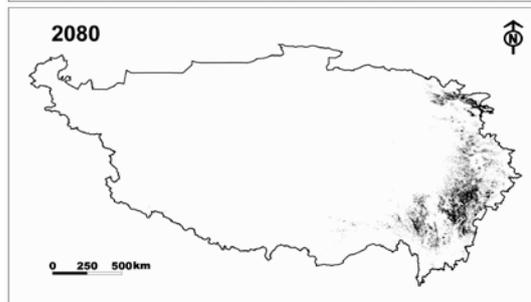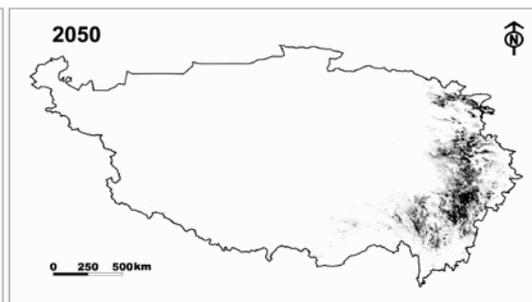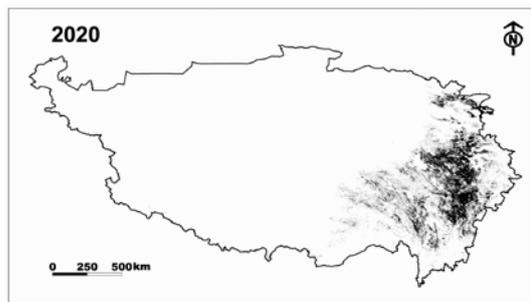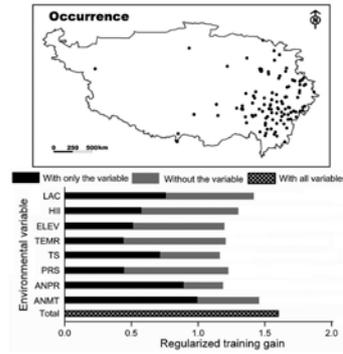### (b) Full dispersal hypothesis
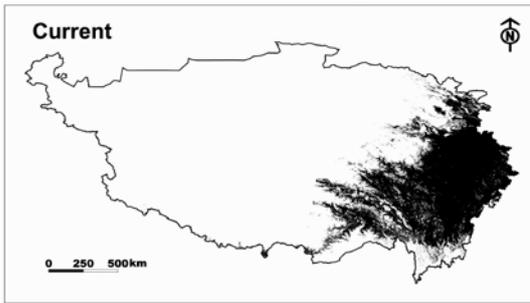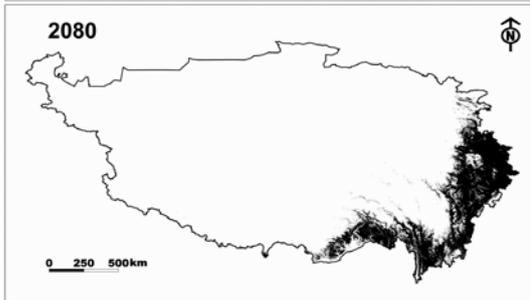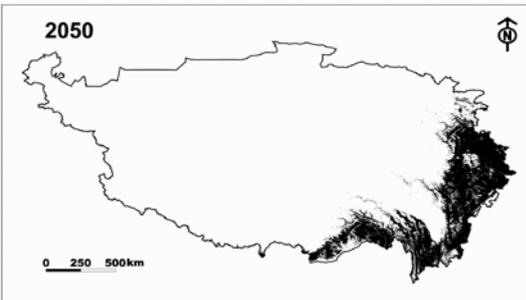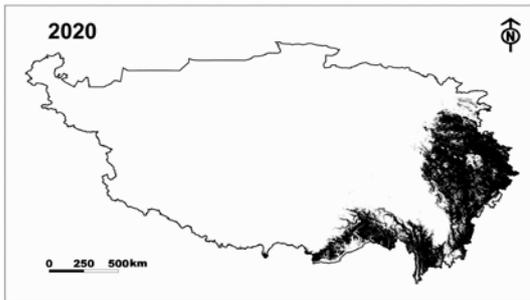

(c) Zero dispersal hypothesis

FIG. B4. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of Thorold's deer (*Cervus albirostris*).

Red deer (*Cervus elaphus*)

(a) Current

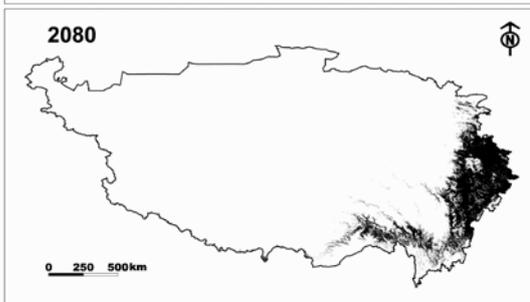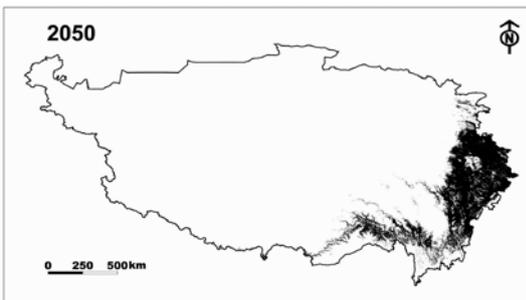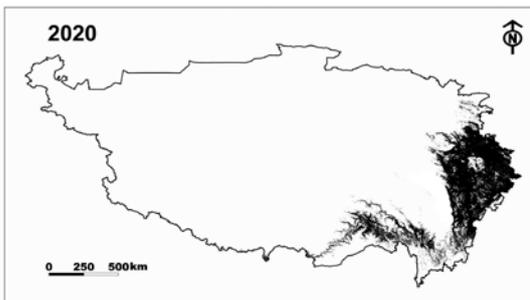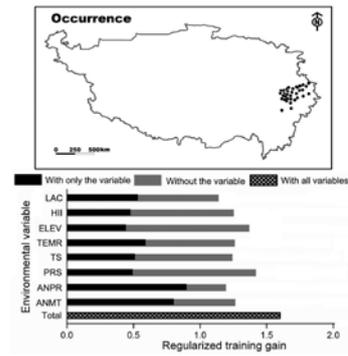### (b) Full dispersal hypothesis
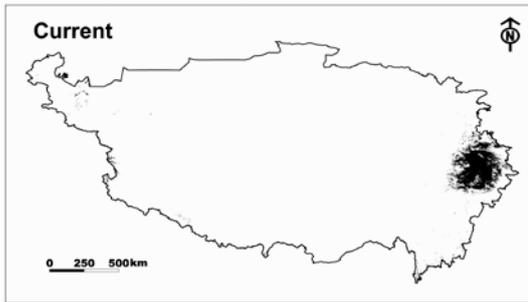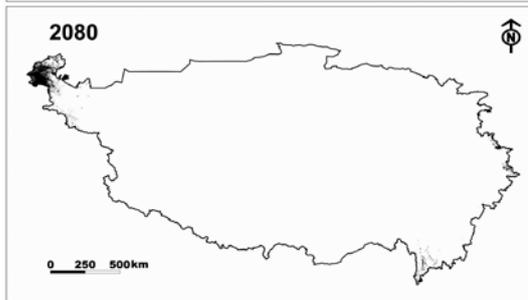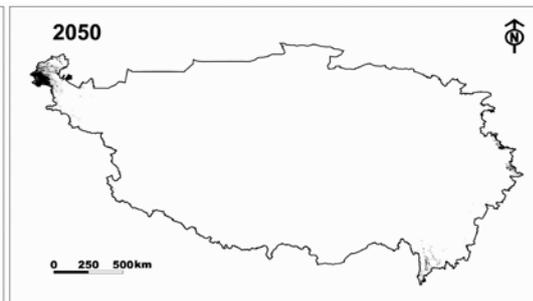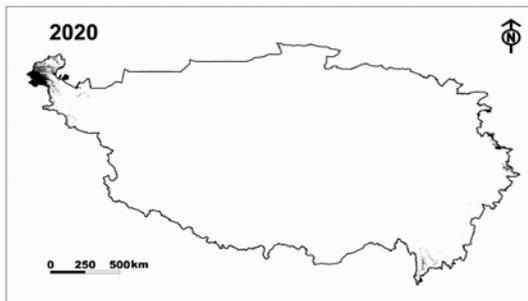

(c) Zero dispersal hypothesis

FIG. B5. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of red deer (*Cervus elaphus*).

Sika deer (*Cervus nippon*)
(a) Current

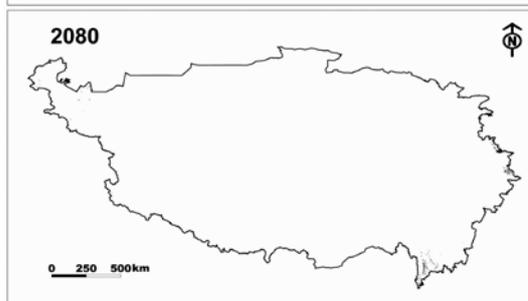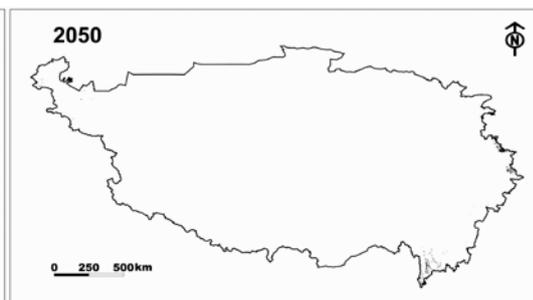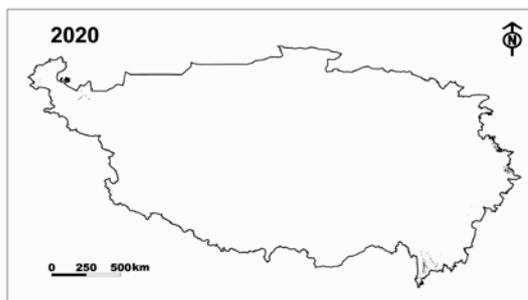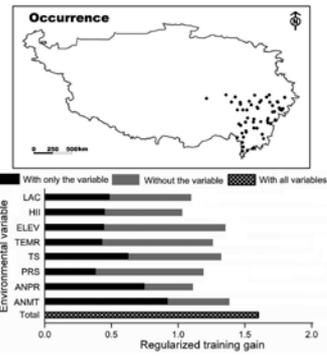### (b) Full dispersal hypothesis
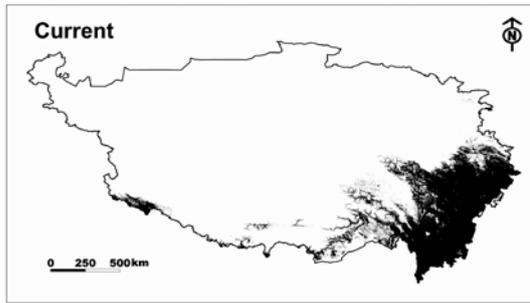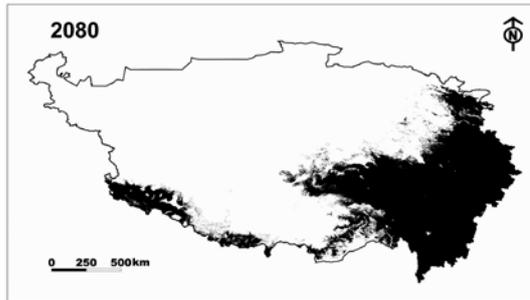

(c) Zero dispersal hypothesis

F$_{IG}$. B6. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of sika deer (*Cervus nippon*).

Sambar (*Cervus unicolor*)

(a) Current

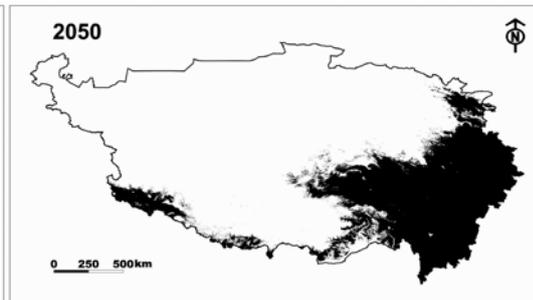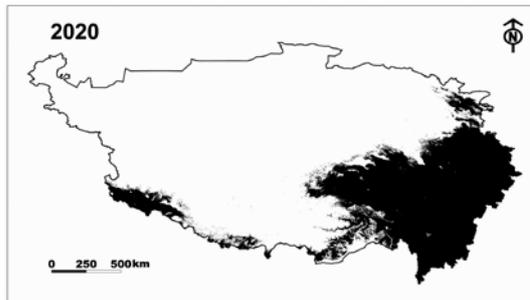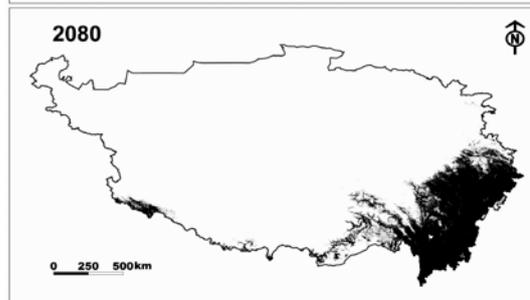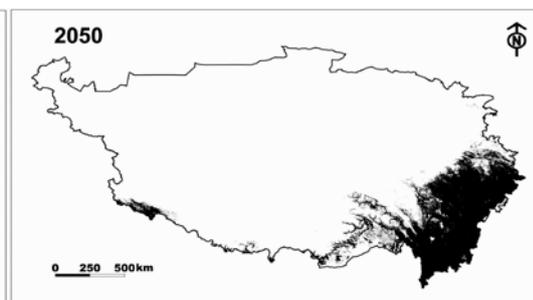### (b) Full dispersal hypothesis
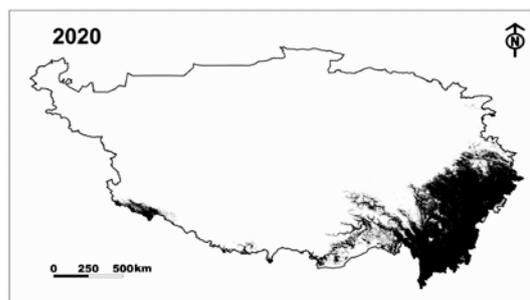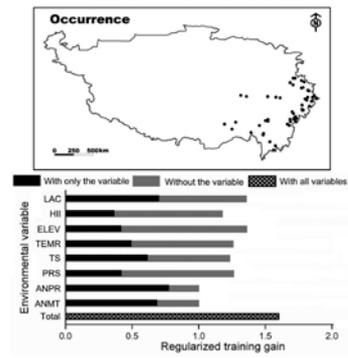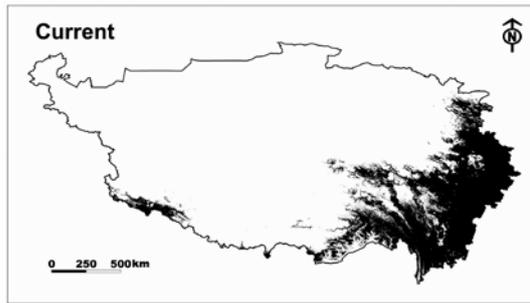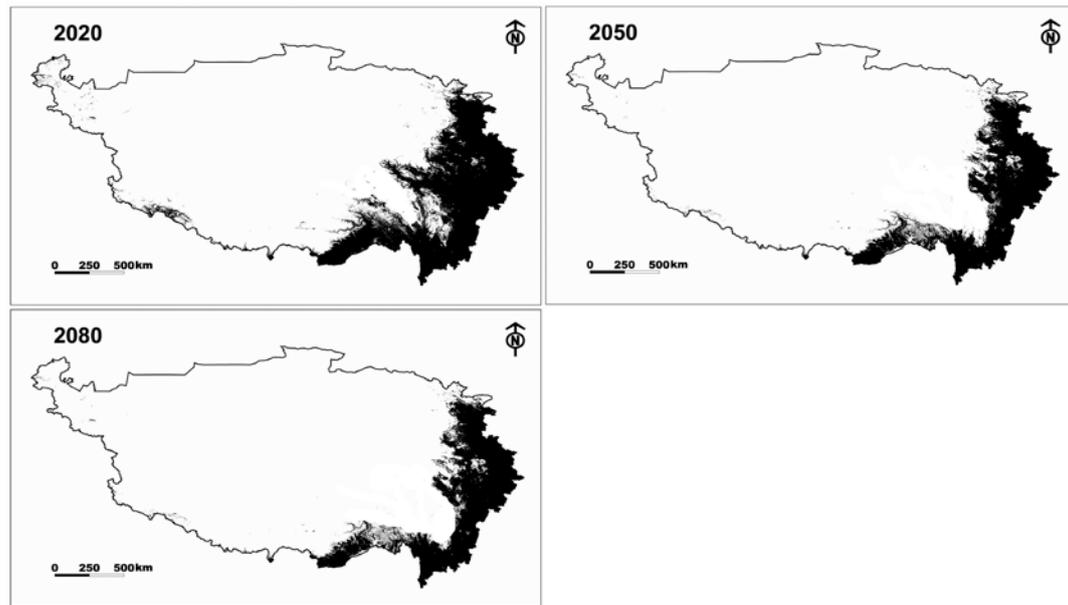

(c) Zero dispersal hypothesis

FIG. B7. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of sambar (*Cervus unicolor*).

Tufted deer (*Elaphodus cephalophus*)

(a) Current

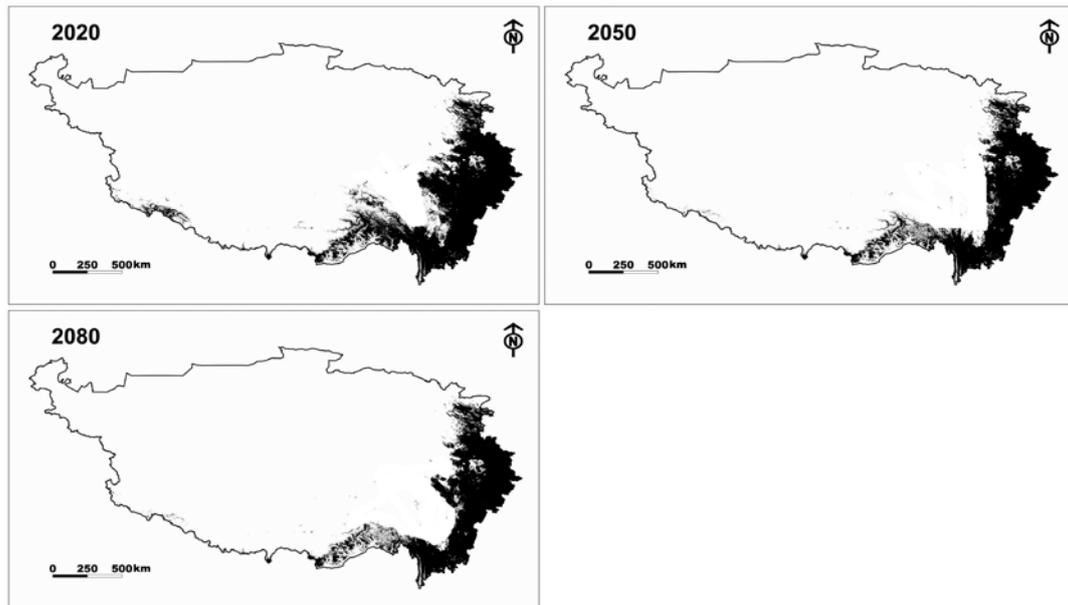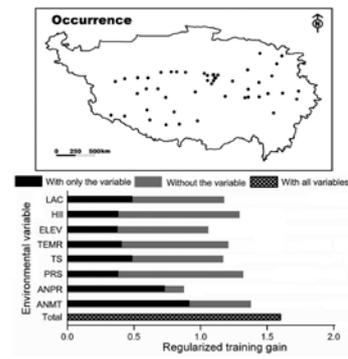### (b) Full dispersal hypothesis
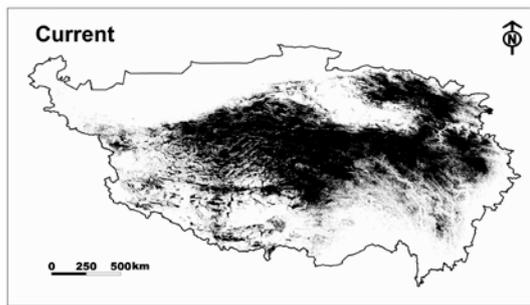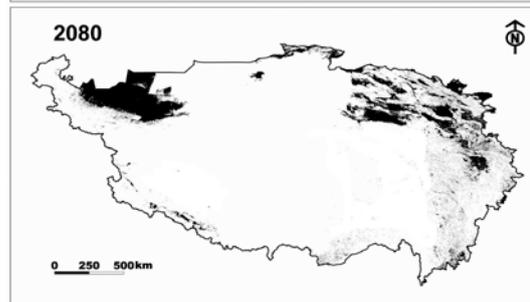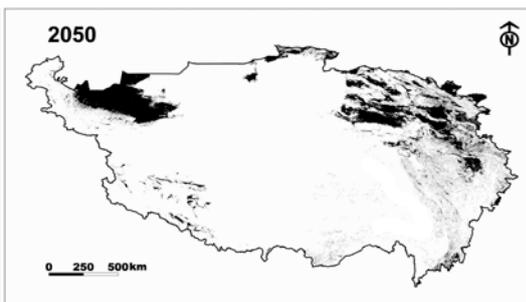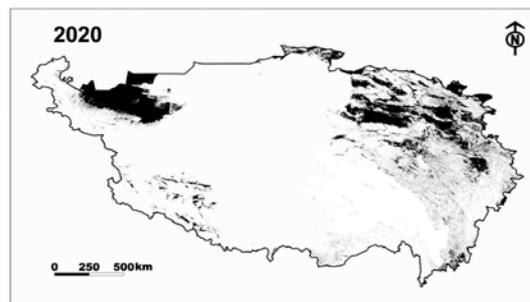

(c) Zero dispersal hypothesis

FIG. B8. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of tufted deer (*Elaphodus cephalophus*).

Kiang (*Equus kiang*)

(a) Current

(b) Full dispersal hypothesis

(c) Zero dispersal hypothesis

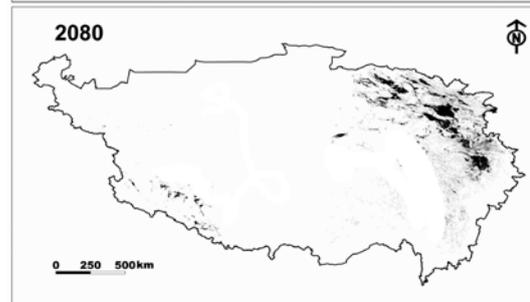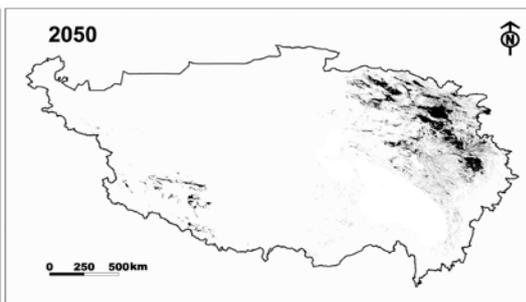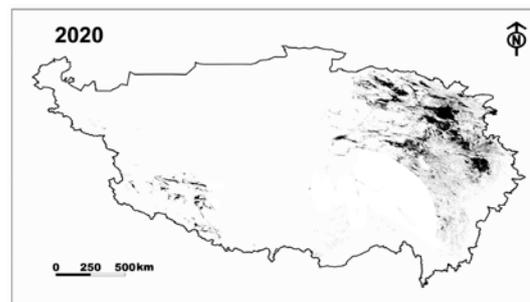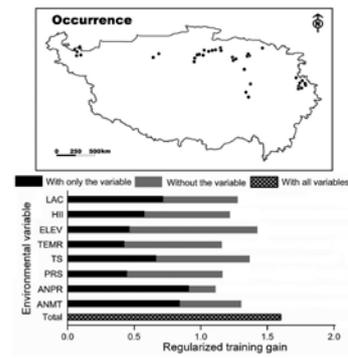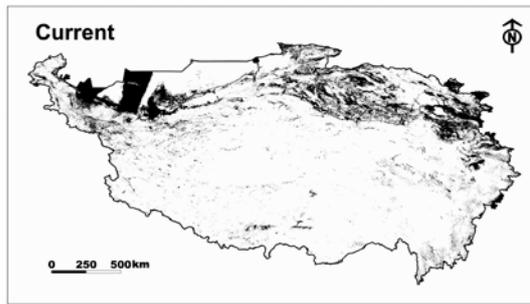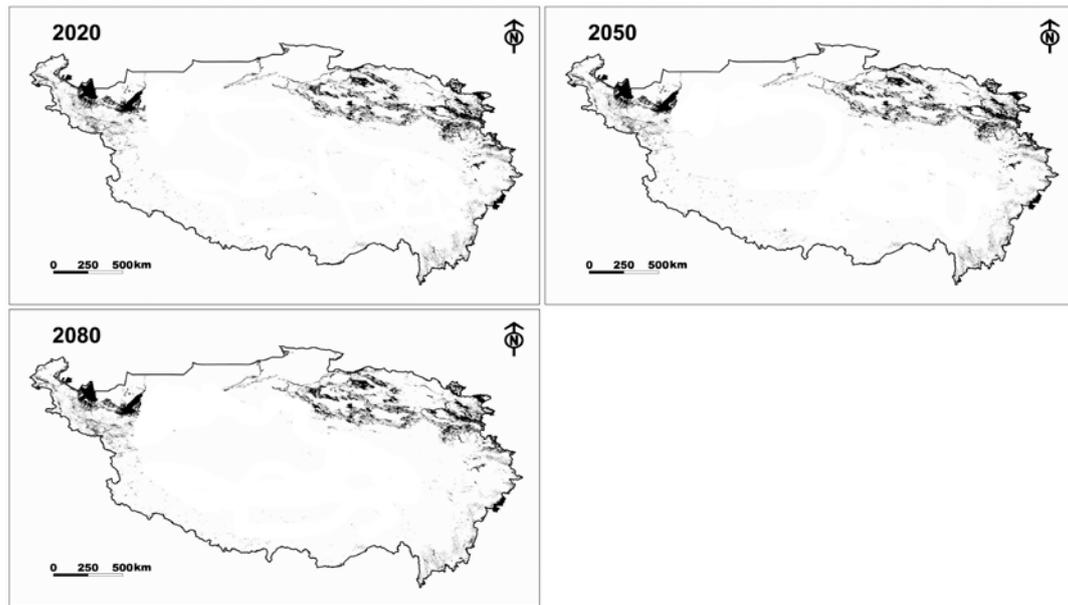FIG. B9. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of kiang (*Equus kiang*).

Goitered gazelle (*Gazella subgutturosa*)

(a) Current

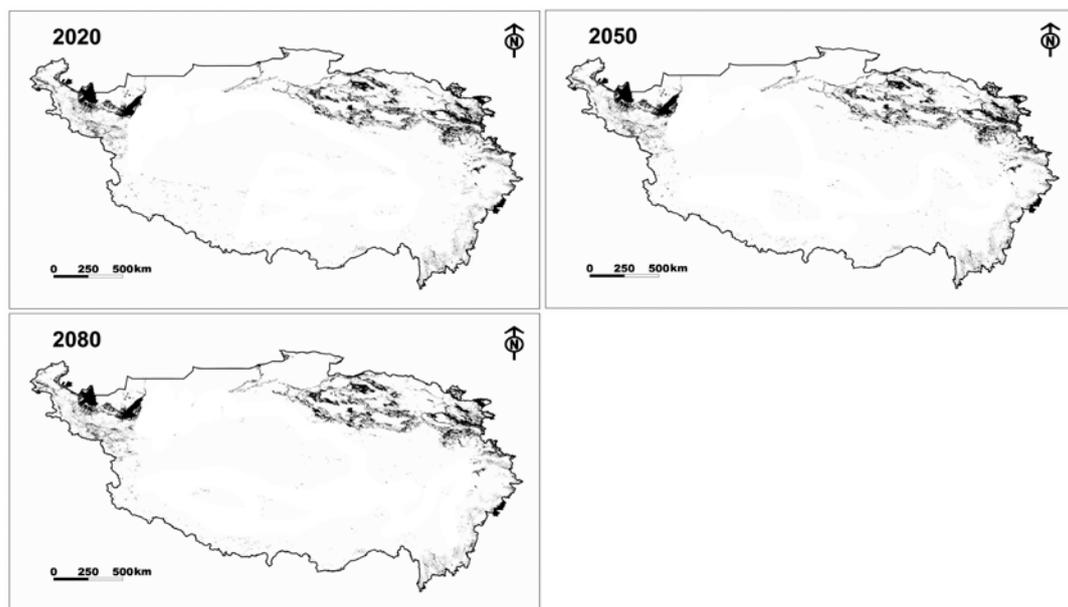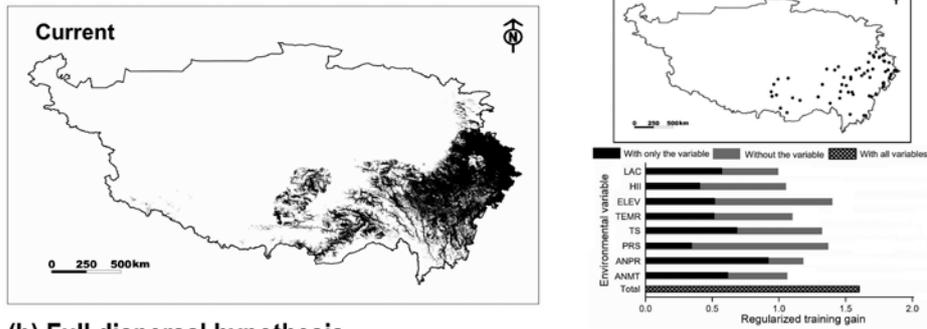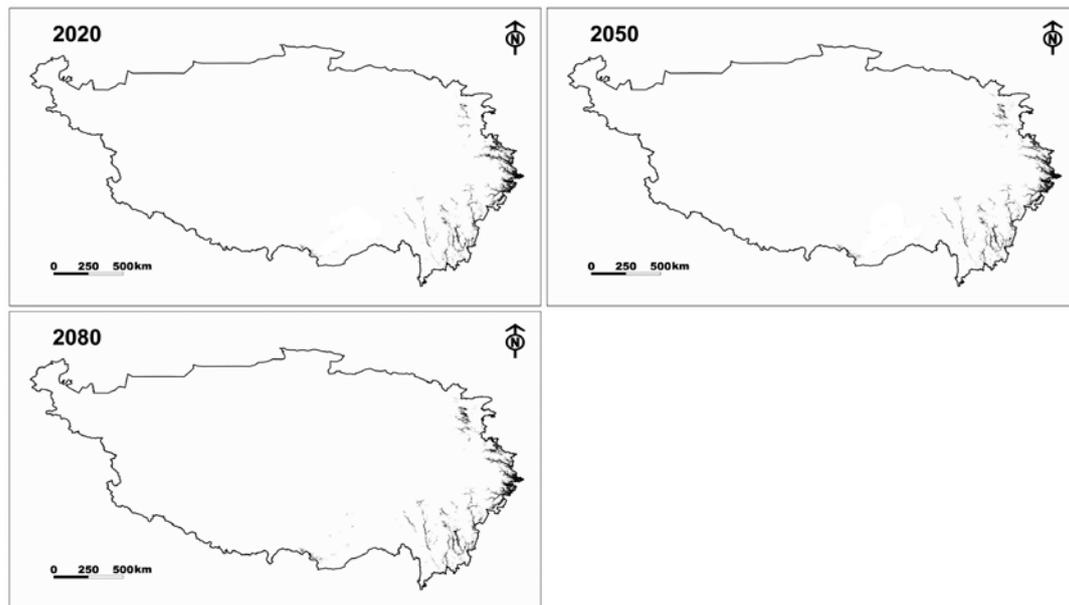### (b) Full dispersal hypothesis

(c) Zero dispersal hypothesis

FIG. B10. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of goitered gazelle (*Gazella subgutturosa*).

Chinese forest musk deer (*Moschus berezovskii*)

(a) Current

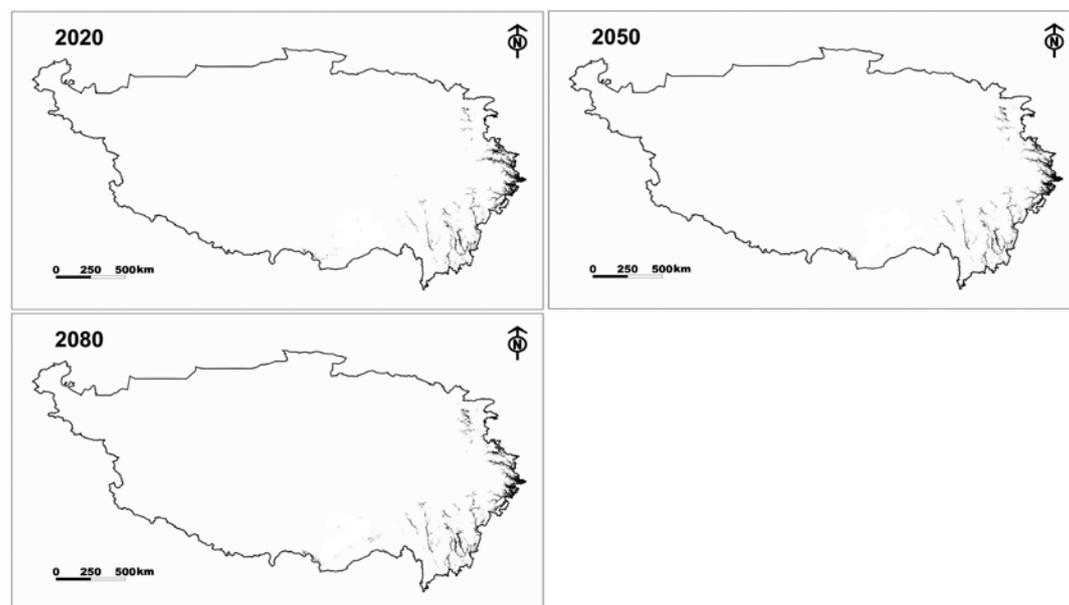### (b) Full dispersal hypothesis

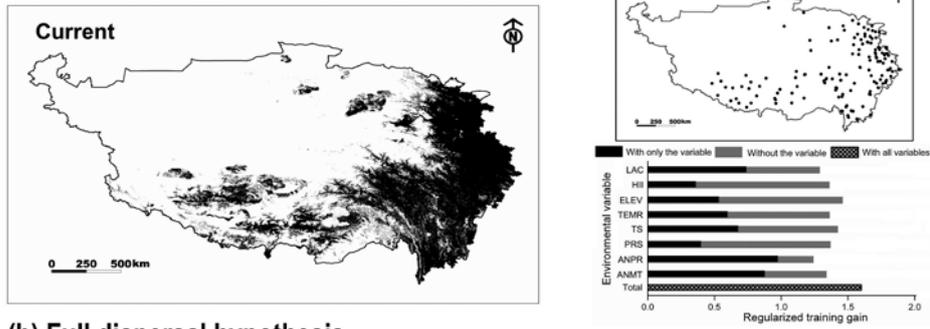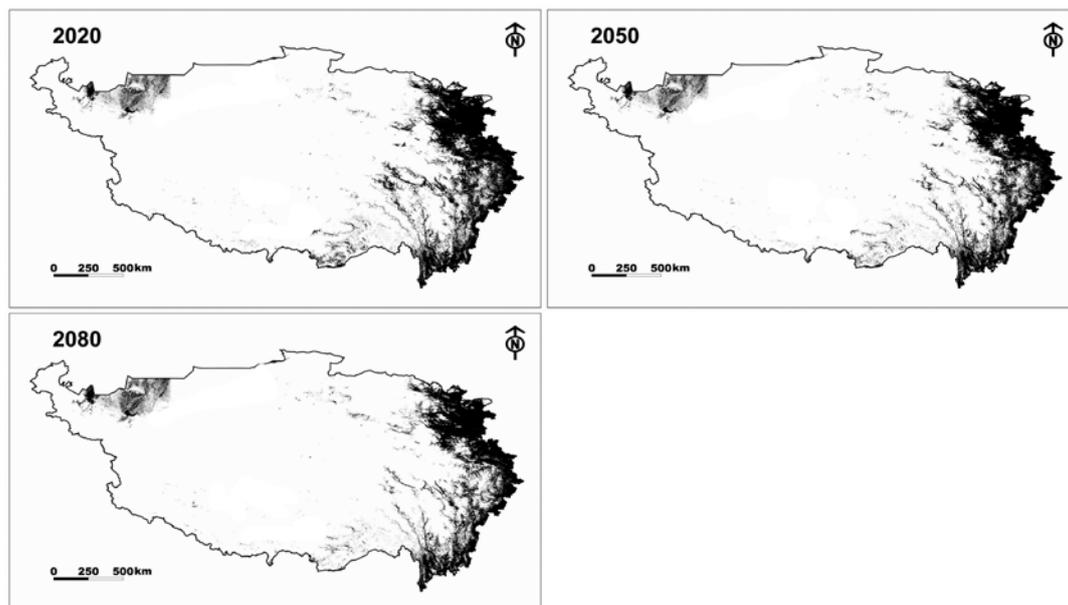### (c) Zero dispersal hypothesis

FIG. B11. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of Chinese forest musk deer (*Moschus berezovskii*).
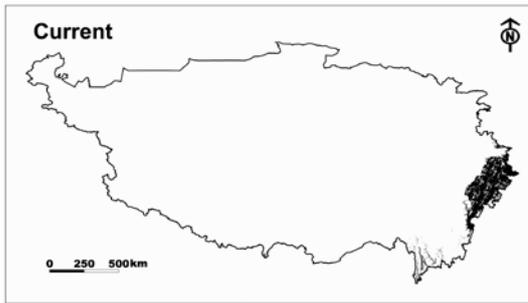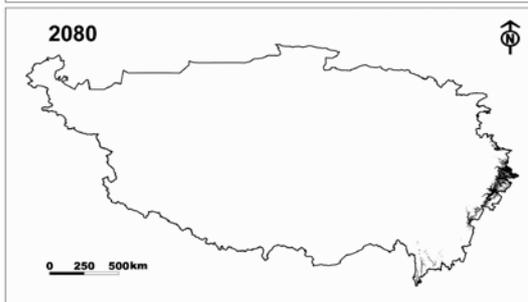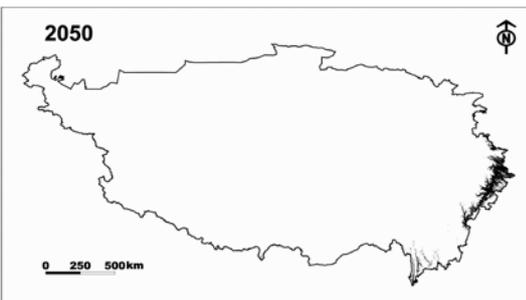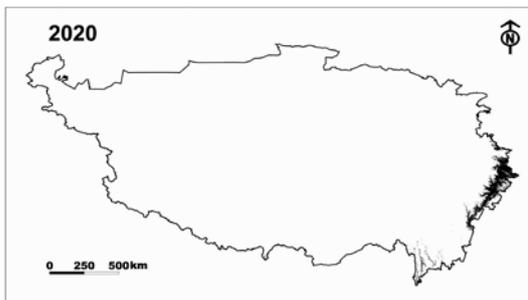
FIG. B12. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of Alpine musk deer (*Moschus chrysogaster*).

Reeves's muntjac (*Muntiacus reevesi*)

(a) Current
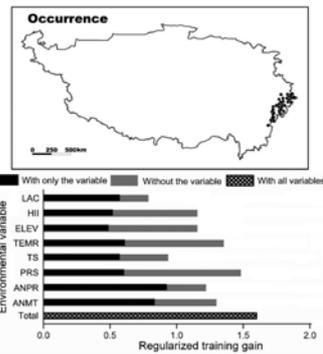
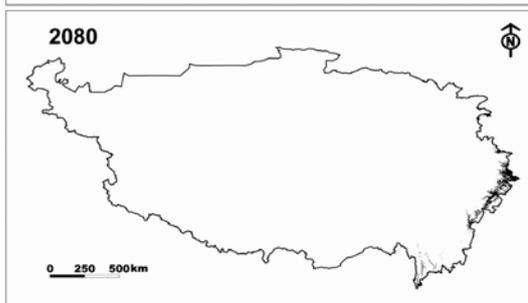### (b) Full dispersal hypothesis
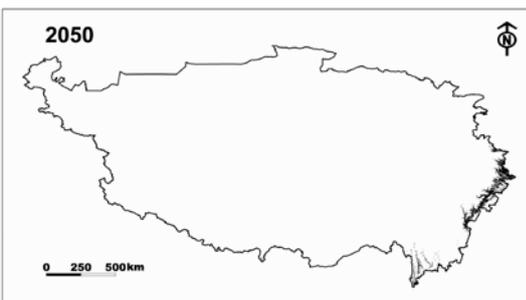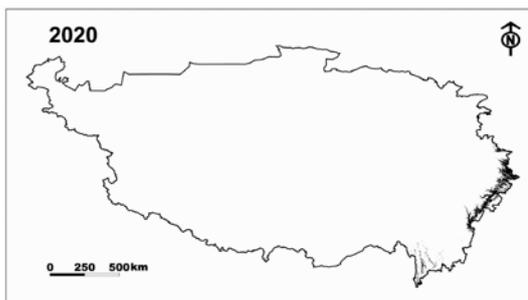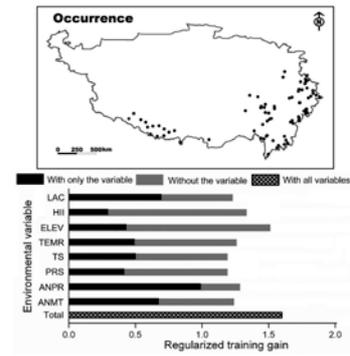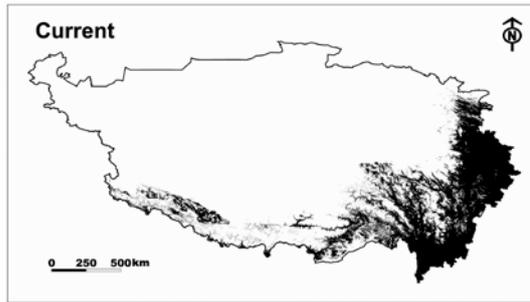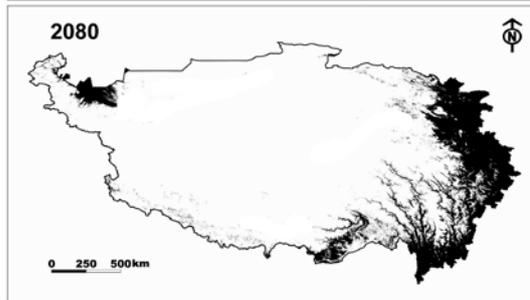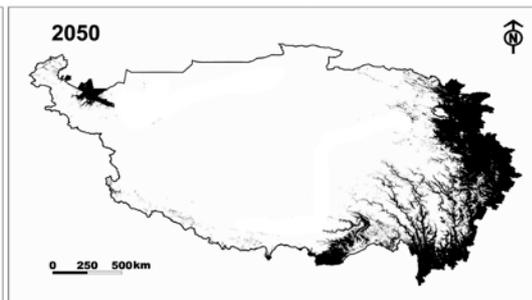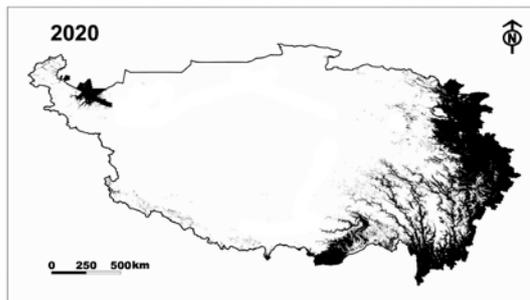

(c) Zero dispersal hypothesis

FIG. B13. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of Reeves's muntjac (*Muntiacus reevesi*).

Chinese goral (*Naemorhaedus caudatus*)

(a) Current

(b) Full dispersal hypothesis
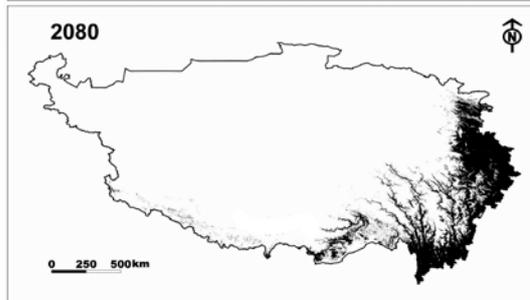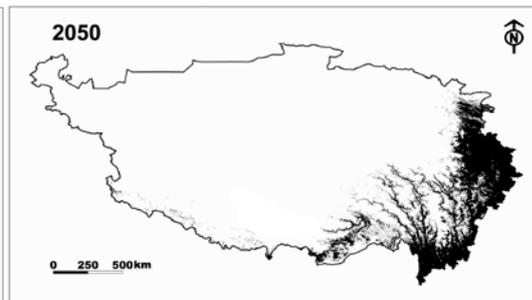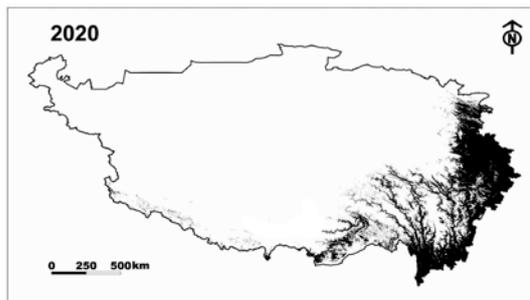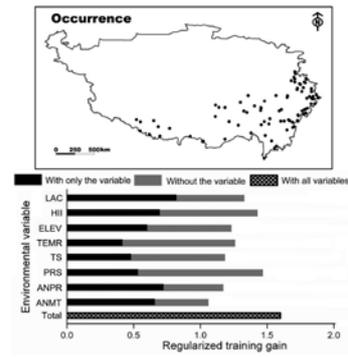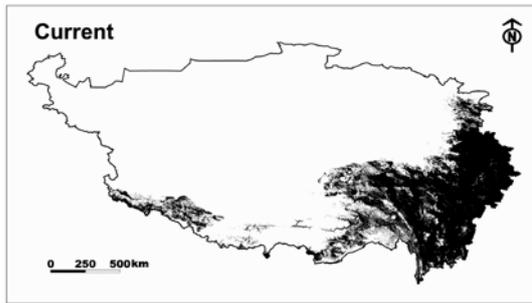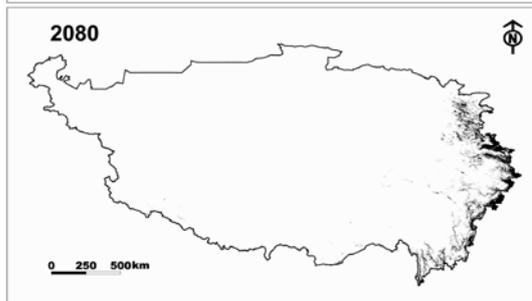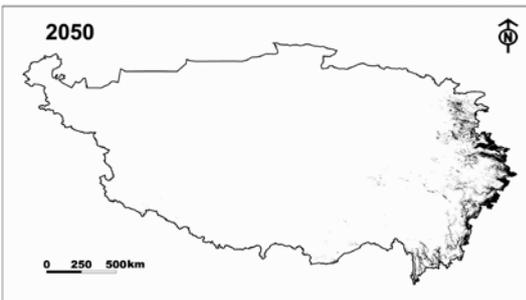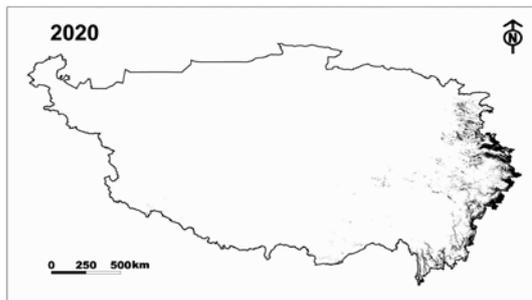

(c) Zero dispersal hypothesis

FIG. B14. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of Chinese goral (*Naemorhedus caudatus*).

Serow (*Naemorhaedus sumatraensis*)

(a) Current

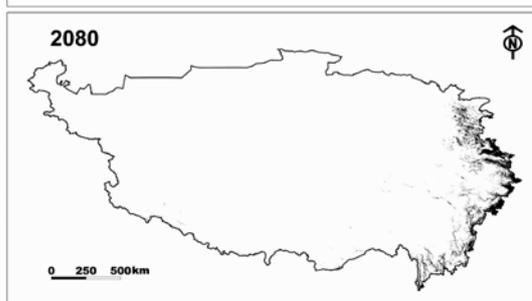### (b) Full dispersal hypothesis
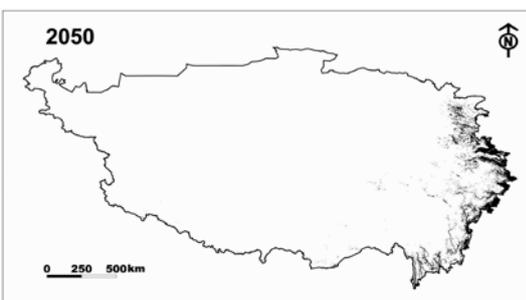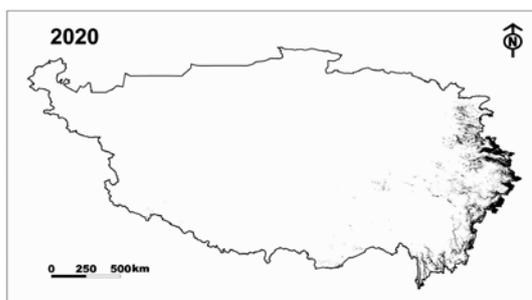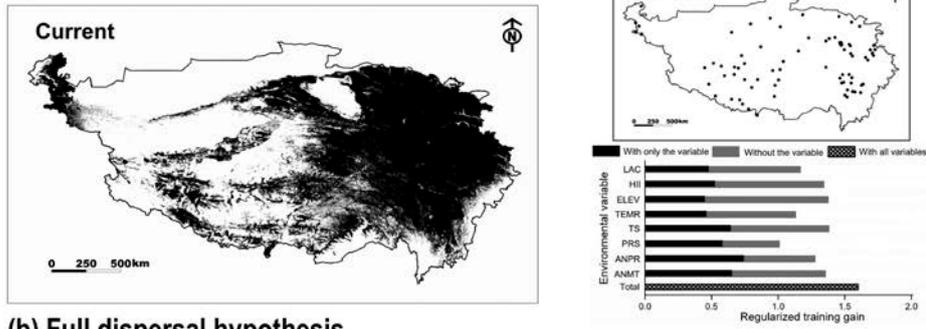

(c) Zero dispersal hypothesis

FIG. B15. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of Serow (*Naemorhedus sumatraensis*).

Argali (*Ovis ammon*)

(a) Current

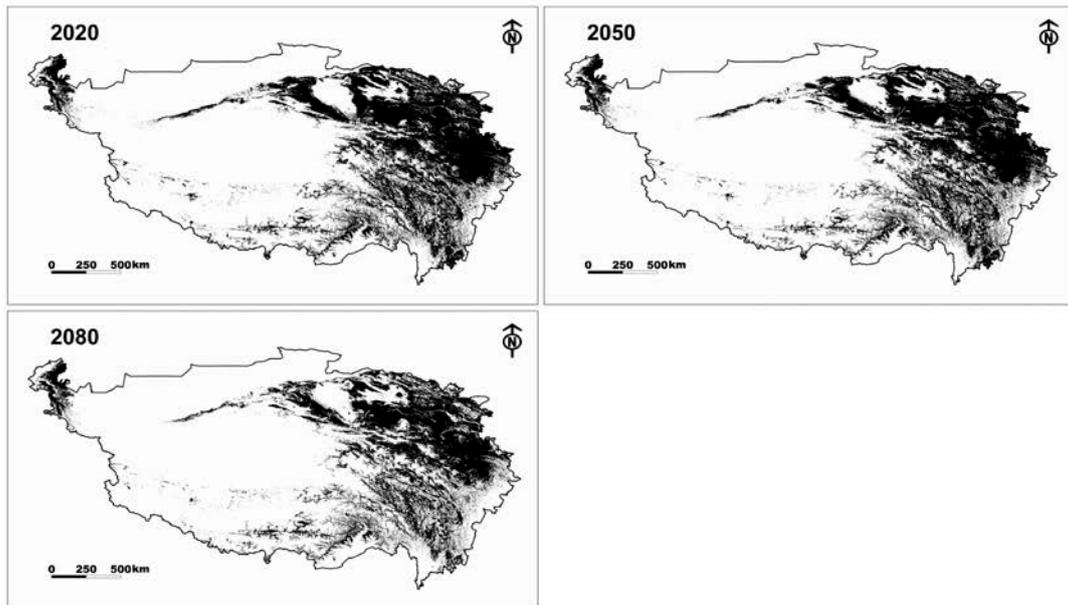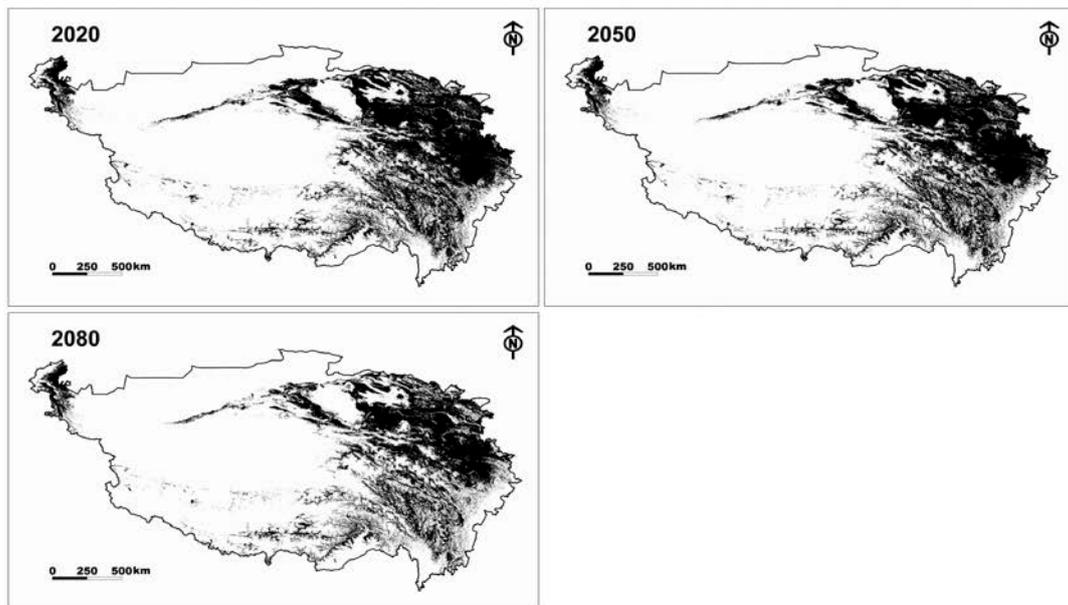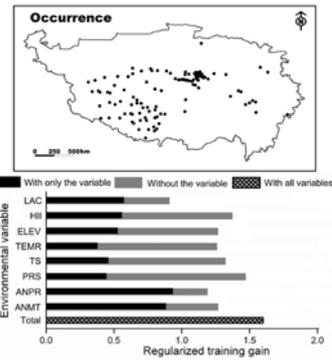### (b) Full dispersal hypothesis

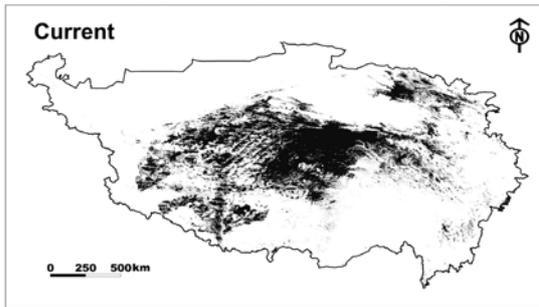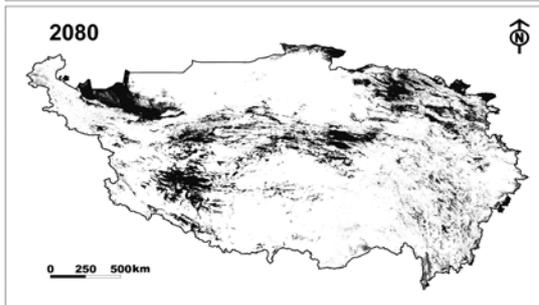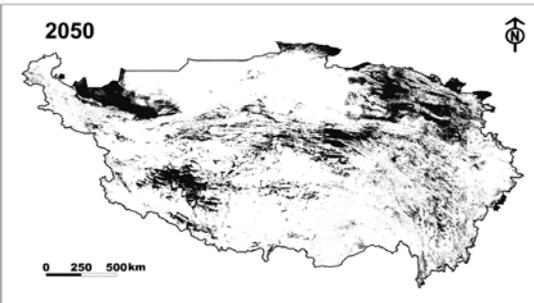
(c) Zero dispersal hypothesis

FIG. B16. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of Argali (*Ovis ammon*).

Chiru (*Pantholops hodgsonii*)
(a) Current

(b) Full dispersal hypothesis

(c) Zero dispersal hypothesis

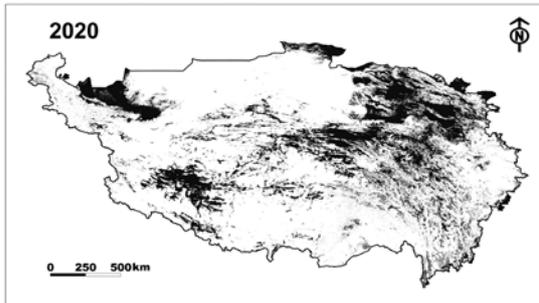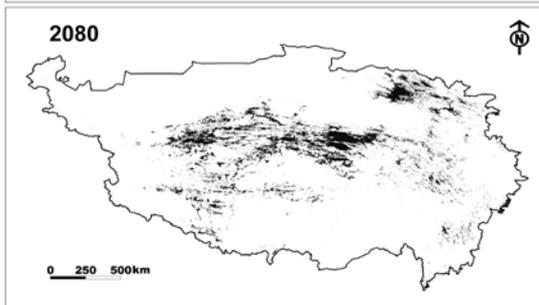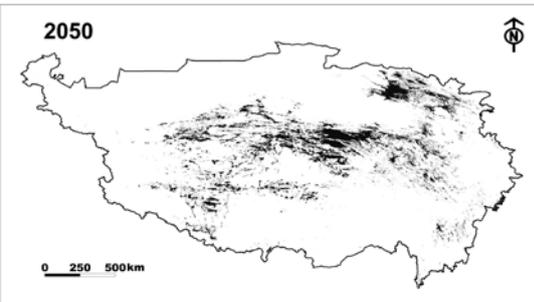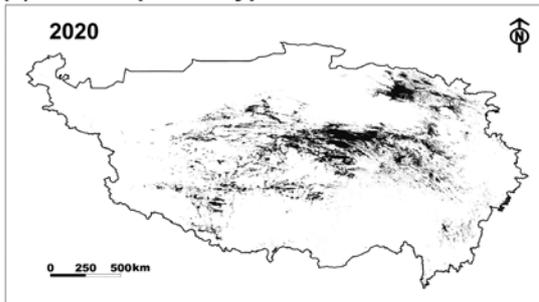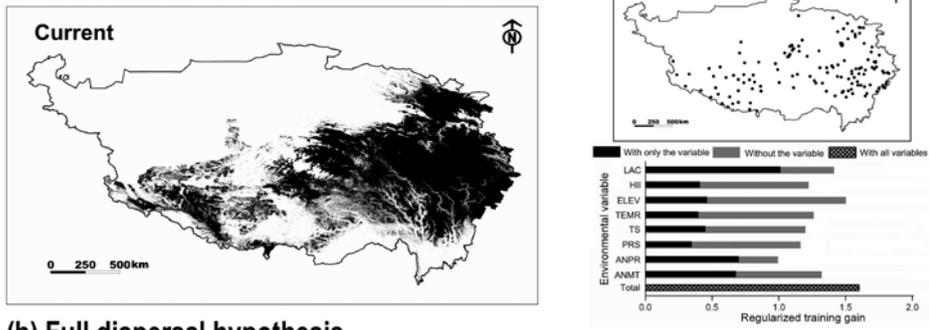

FIG. B17. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of chiru (*Pantholops hodgsonii*).

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Tibetan gazelle (*Procapra picticaudata*)
(a) Current

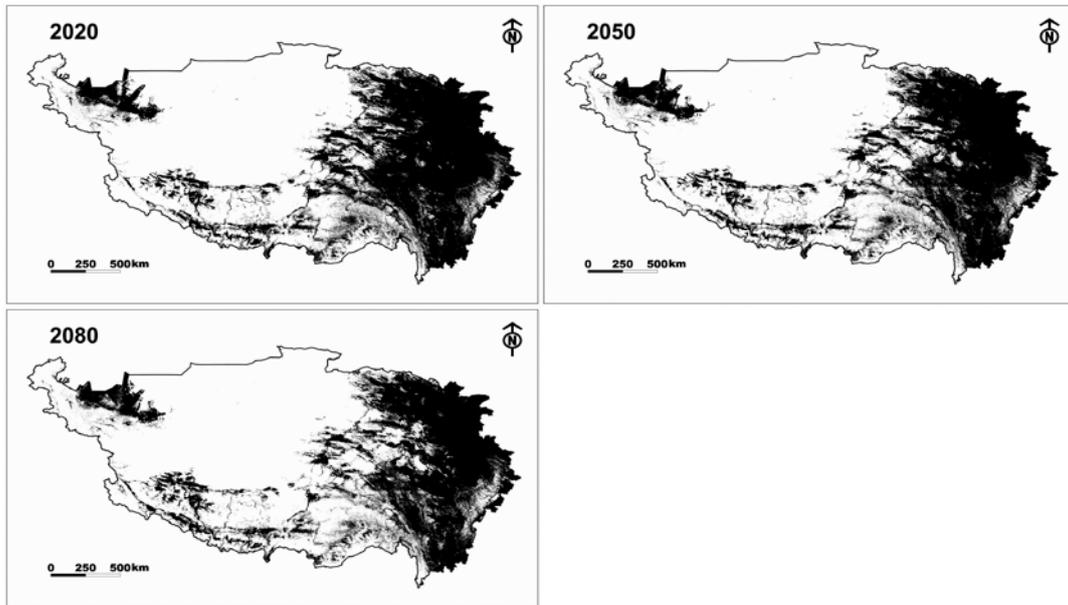### (b) Full dispersal hypothesis
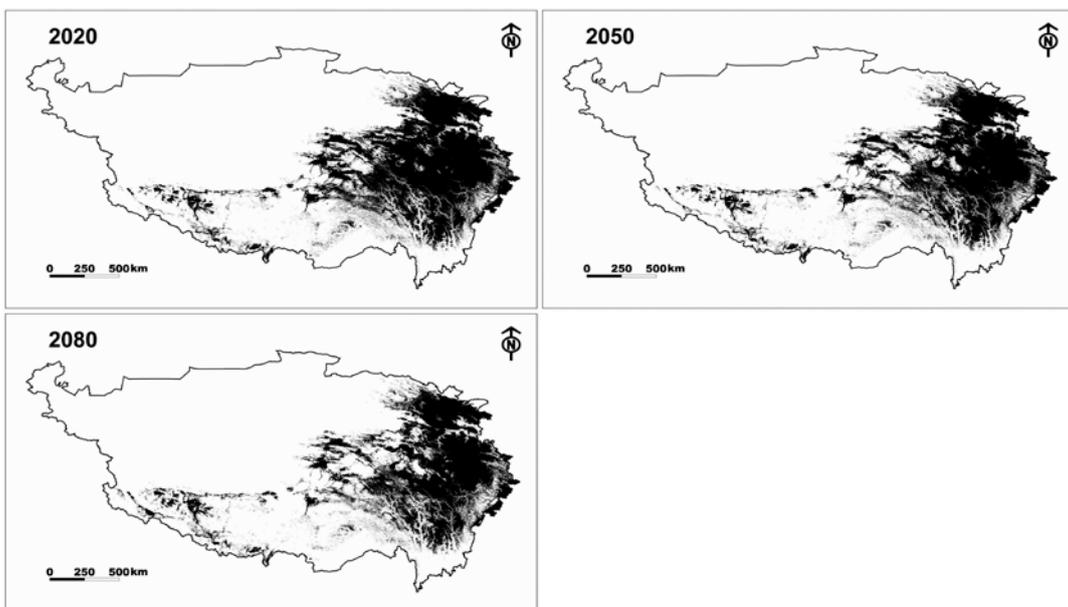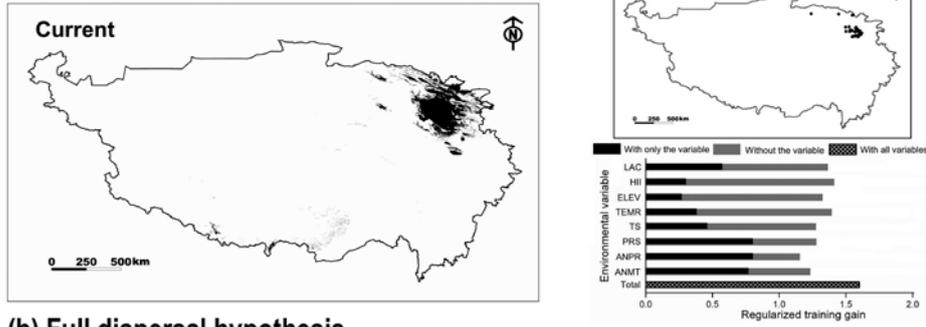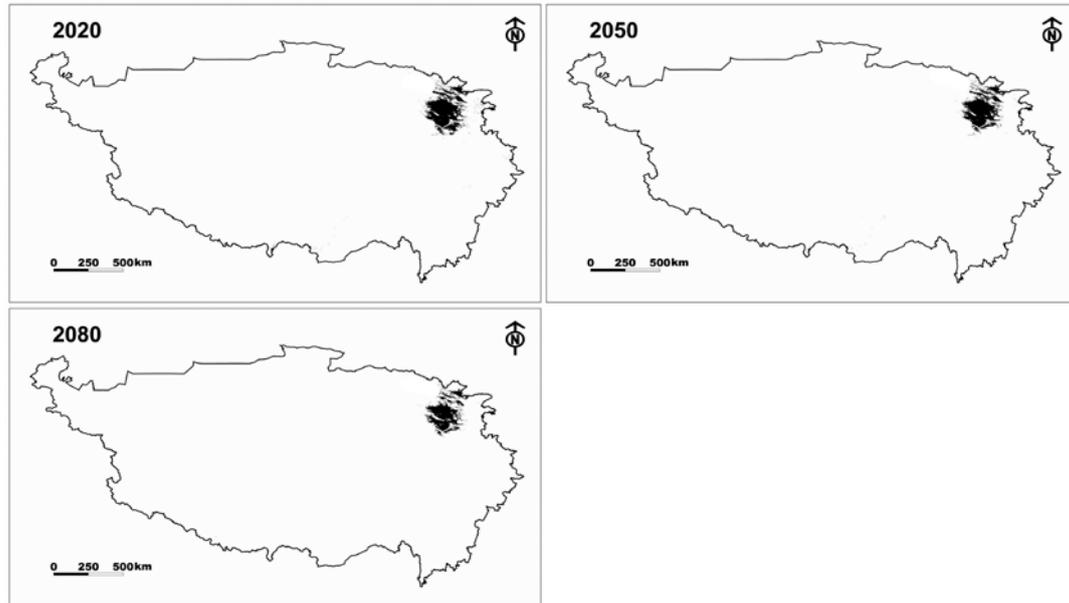

(c) Zero dispersal hypothesis

FIG. B18. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of Tibetan gazelle (*Procapra picticaudata*).

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Przewalski's gazelle (*Procapra przewalskii*)
(a) Current

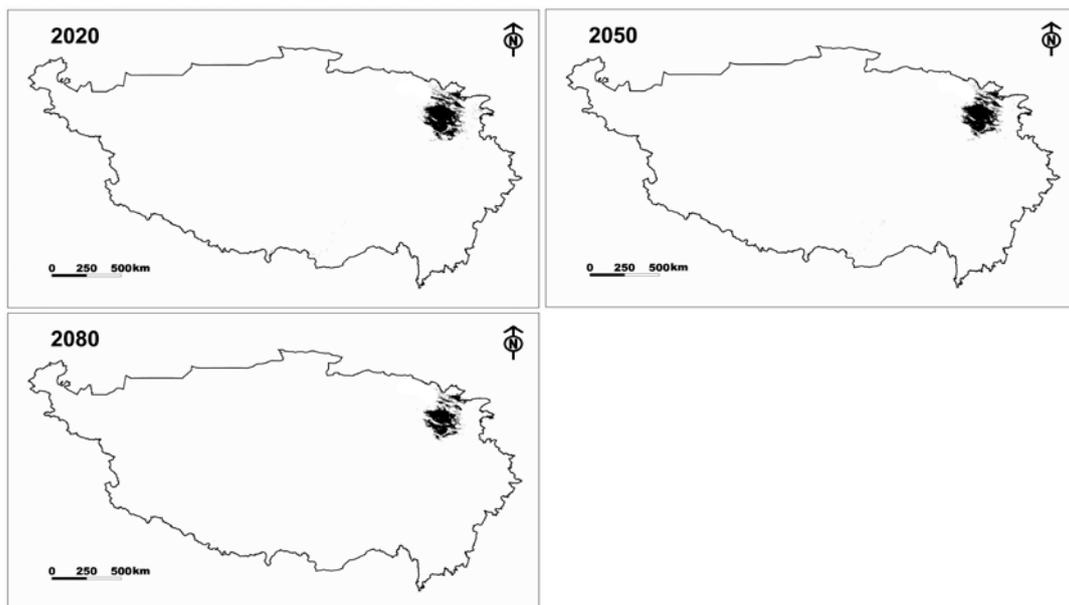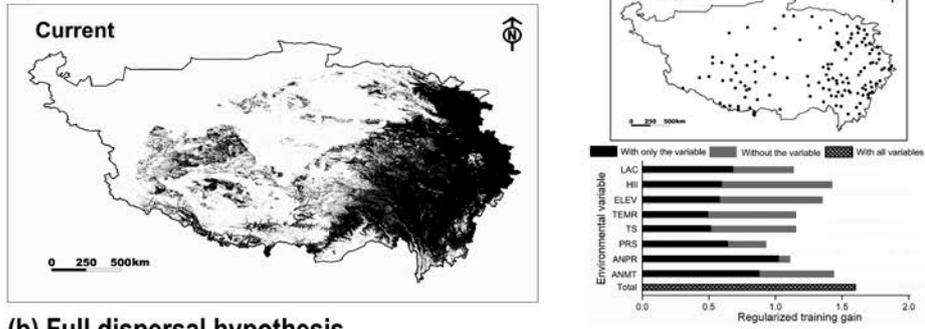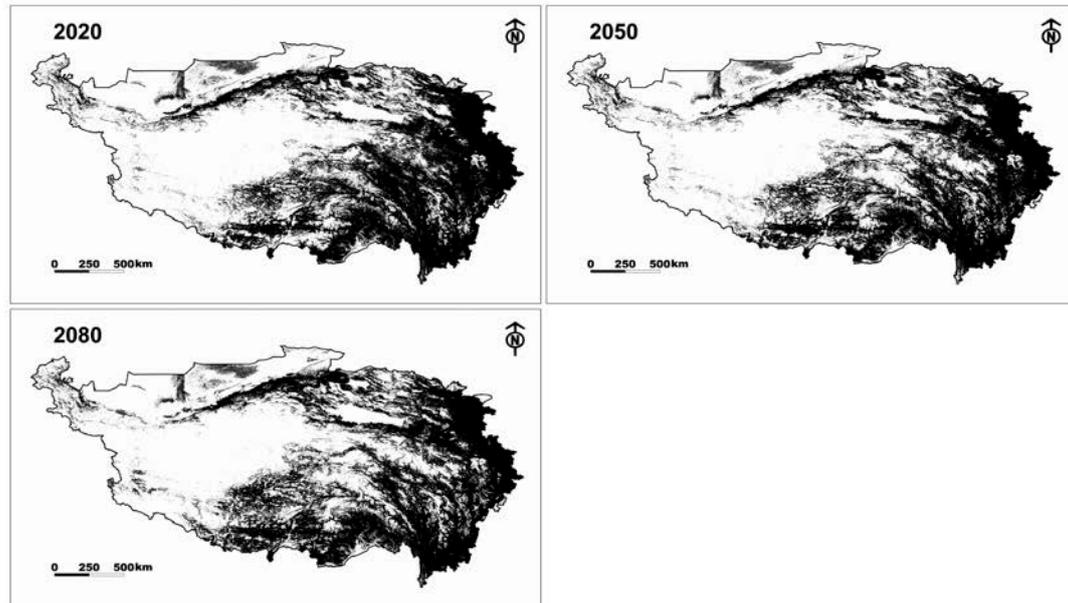### (b) Full dispersal hypothesis

(c) Zero dispersal hypothesis

FIG. B19. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of Przewalski's gazelle (*Procapra przewalskii*).

Bharal (*Pseudois nayaur*)
(a) Current

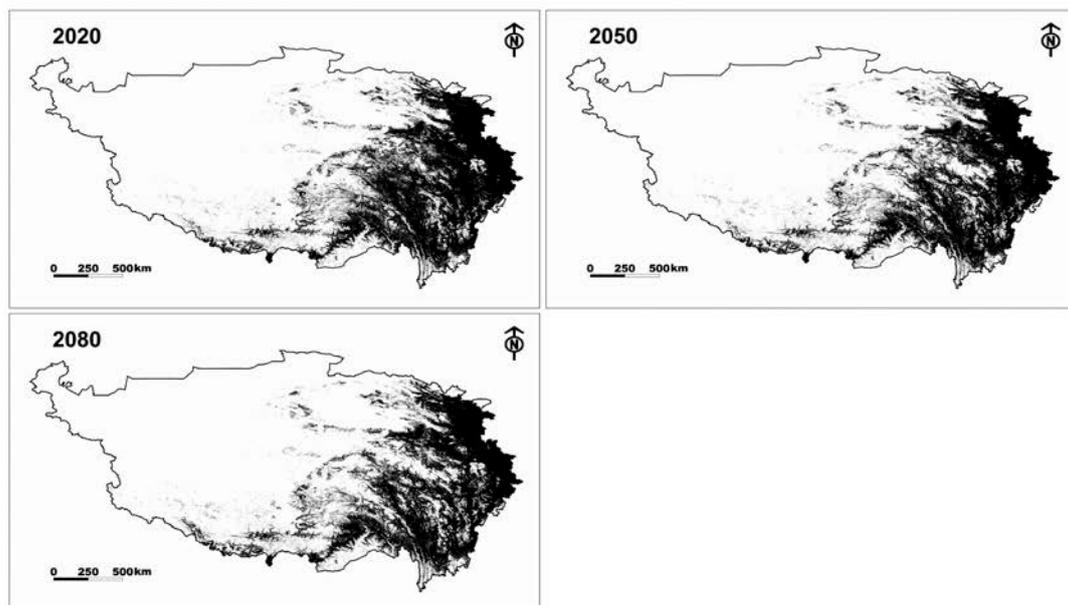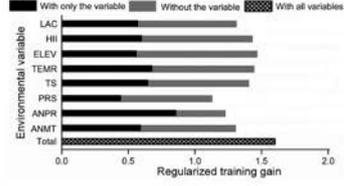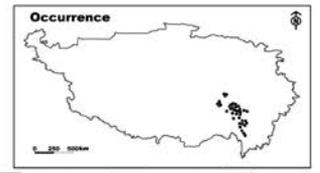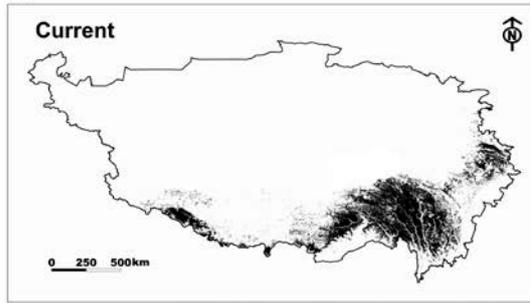### (b) Full dispersal hypothesis
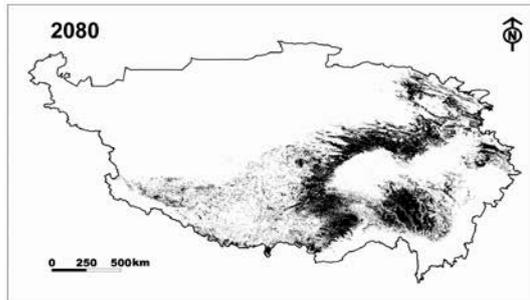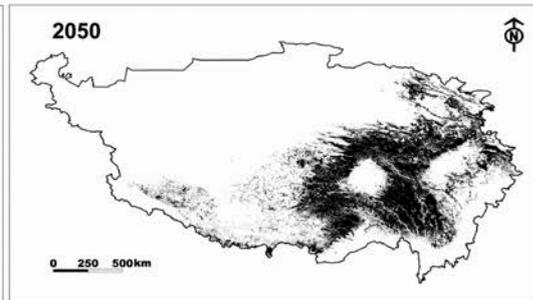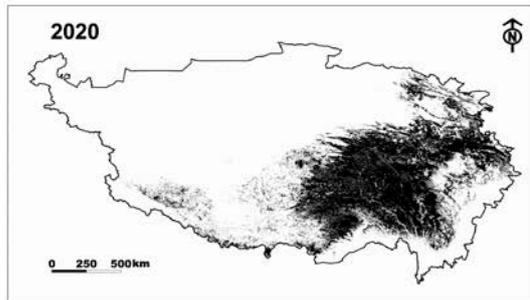

(c) Zero dispersal hypothesis

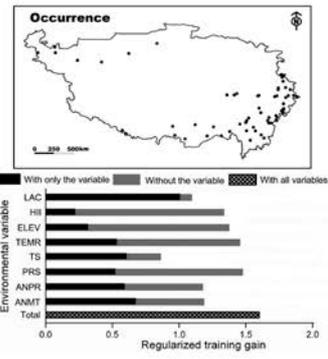FIG. B20. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of bharal (*Pseudois nayaur*).
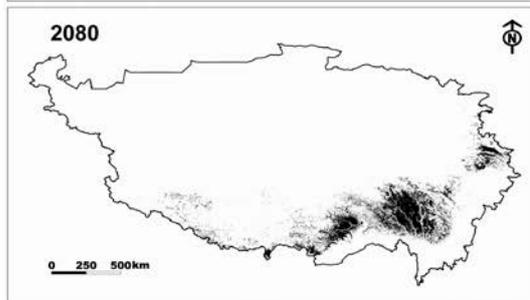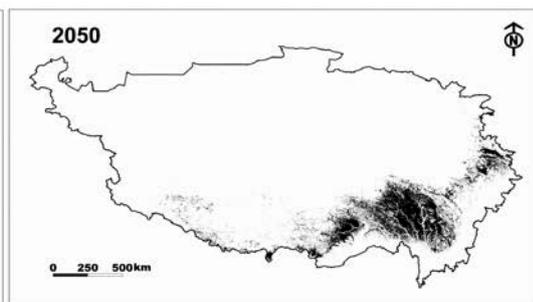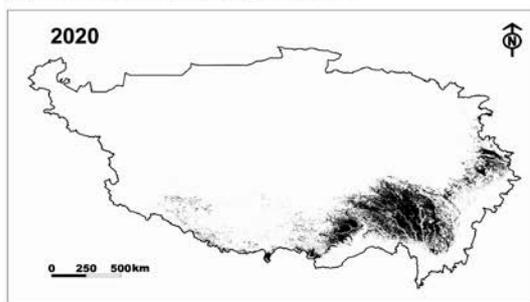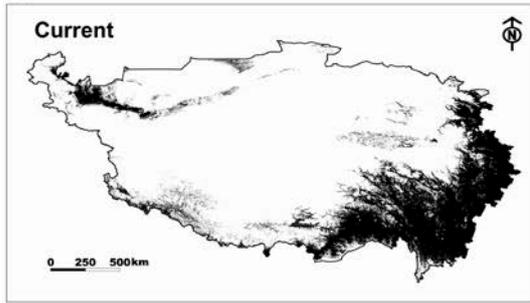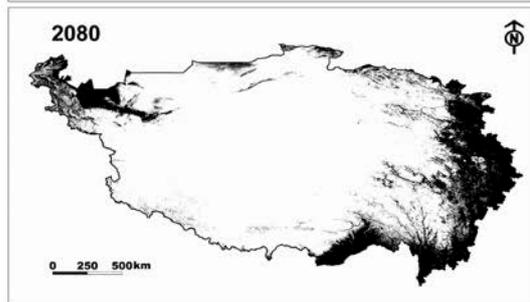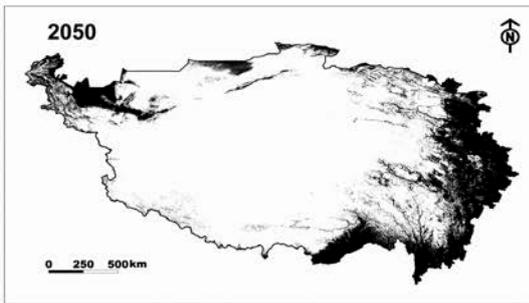
FIG. B21. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of dwarf bharal (*Pseudois schaeferi*).
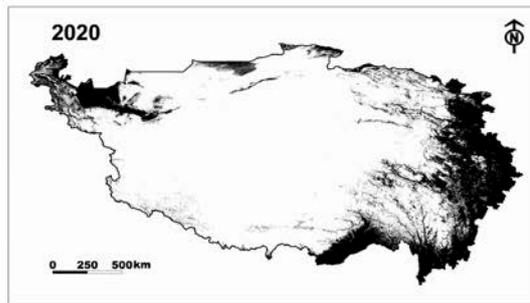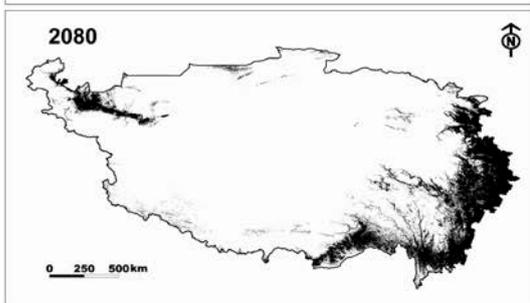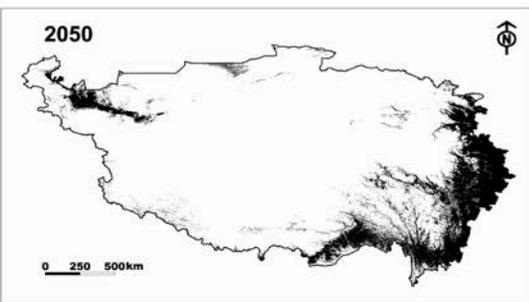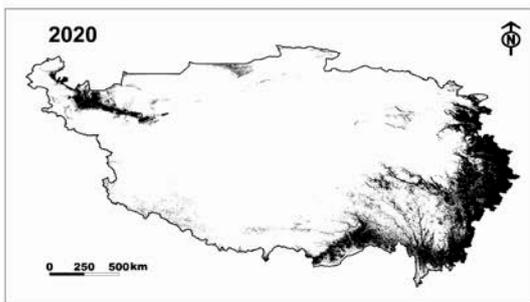
FIG. B22. Occurrence records, Jack-knife analysis, and potential current and future distributions under full and zero dispersal hypotheses of wild boar (*Sus scrofa*).