

Table S1 Rangewide population genetic parameter values for the eastern box turtle, *Terrapene c. carolina*, including sample size, mean allelic richness (N_A), mean inbreeding coefficient (F_{IS}), observed heterozygosity (H_o) and expected heterozygosity (H_E).

| Population | n | Mean N_A | Private alleles | F_{IS} | H_o | H_E | State legal status ³ |
|--|------------------|---------------|--------------------|----------|-------|-------|------------------------------------|
| All samples* | 799 ¹ | 35.1 | na | 0.123 | 0.764 | 0.866 | na |
| Genetic populations | | | | | | | |
| Western* | 549 ¹ | 32.6 | 39 ² | 0.115 | 0.778 | 0.872 | na |
| Eastern* | 250 ¹ | 21.3 | 13 ² | 0.106 | 0.733 | 0.815 | na |
| Management populations | | | | | | | |
| Southwest Michigan* | 35 | 14.9 | 2 | 0.155 | 0.736 | 0.862 | a |
| Lafayette, Indiana* | 31 | 15.1 | 0 | 0.090 | 0.797 | 0.861 | b |
| Sugar Creek, Indiana* | 25 | 15.3 | 1 | 0.084 | 0.807 | 0.879 | b |
| Hillenbrand Fish & Wildlife Area, Indiana* | 44 | 17.6 | 1 | 0.101 | 0.782 | 0.864 | b |
| Patoka River National Wildlife Refuge, Indiana* | 69 | 19.1 | 4 | 0.078 | 0.808 | 0.864 | b |
| Hovey Lake Fish & Wildlife Area, Indiana* | 20 | 13.1 | 1 | 0.066 | 0.822 | 0.879 | b |
| Hardwood Ecosystem Experiment, Indiana* | 24 | 13.8 | 4 | 0.118 | 0.799 | 0.873 | b |
| Blue River, Indiana* | 74 | 20.6 | 6 | 0.116 | 0.776 | 0.871 | b |
| Seymour, Indiana* | 20 | 13.1 | 2 | 0.106 | 0.770 | 0.859 | b |
| Big Oaks National Wildlife Refuge, Indiana* | 31 | 14.8 | 0 | 0.116 | 0.771 | 0.868 | b |
| Shawnee National Forest, Illinois* | 29 | 14.1 | 2 | 0.104 | 0.778 | 0.861 | c |
| Land Between the Lakes National Recreation Area, Kentucky* | 36 | 17.0 | 2 | 0.088 | 0.801 | 0.877 | c |
| Shawnee State Forest, Ohio* | 30 | 13.5 | 2 | 0.080 | 0.789 | 0.857 | d |

Table S1 (cont.) Rangewide population genetic parameter values for the eastern box turtle, *Terrapene c. carolina*, including mean allelic richness (N_A), mean inbreeding coefficient (F_{IS}), observed heterozygosity (H_o) and expected heterozygosity (H_E).

| Population | n | Mean N_A | Private alleles | F_{IS} | H_o | H_E | State legal status ³ |
|---|----|---------------|--------------------|----------|-------|-------|------------------------------------|
| Gettysburg National Military Park, Pennsylvania* | 28 | 11.4 | 1 | 0.067 | 0.714 | 0.775 | e |
| Long Island, New York* | 25 | 11.5 | 0 | 0.080 | 0.741 | 0.808 | a |
| Rock Creek Park, District of Columbia | 9 | 7.6 | 0 | 0.073 | 0.665 | 0.794 | f |
| Gaithersburg, Maryland | 12 | 8.6 | 0 | 0.056 | 0.746 | 0.793 | g |
| Jug Bay Wetlands Sanctuary, Maryland* | 26 | 12.2 | 2 | 0.146 | 0.716 | 0.817 | g |
| Muddy Branch Park, Maryland* | 22 | 10.8 | 1 | 0.124 | 0.724 | 0.829 | g |
| Wheaton Regional Park, Maryland* | 39 | 11.8 | 1 | 0.131 | 0.678 | 0.780 | g |
| Patuxent Wildlife Research Center, Maryland* | 48 | 15.3 | 3 | 0.069 | 0.769 | 0.816 | g |
| Isle of Wight Wildlife Management Area, Maryland* | 10 | 7.6 | 2 | 0.111 | 0.734 | 0.820 | g |
| Richmond, Virginia* | 24 | 11.4 | 2 | 0.065 | 0.749 | 0.826 | g |
| Oak Ridge, Tennessee* | 24 | 13.2 | 12 | 0.135 | 0.718 | 0.840 | g |
| Western North Carolina* | 9 | 8.5 | 1 | 0.170 | 0.720 | 0.875 | g |
| Chattahoochee National Forest, Georgia* | 15 | 9.9 | 0 | 0.176 | 0.696 | 0.834 | g |

*Significantly out of Hardy-Weinberg equilibrium

¹Total includes the rarefaction to n = 25 for both the deeply sampled Hardwood Ecosystem Experiment and Oak Ridge populations to reduce any effect of kinship.

²These private alleles are private only with respect to the other genetic population, not to the management populations.

³Codes: a = "Special concern", b = "State species of special concern", c = "Collection allowed, sale prohibited", d = "Species of concern", e = "No take", f = Species of greatest conservation need", g = "Nongame".