

**Table S1:** List of species of all wildlife individuals sampled during the study. Note that, due to sample volume, not all individuals could be screened for exposure against all three tick-borne viruses.

<b>Common name</b>	<b>Species name</b>	<b>Available number</b>
American robin	<i>Turdus migratorius</i>	1
American beaver	<i>Castor canadensis</i>	2
American black bear	<i>Ursus americanus</i>	8
American crow	<i>Corvus brachyrhynchos</i>	4
American toad	<i>Anaxyrus americanus</i>	1
Bald eagle	<i>Haliaeetus leucocephalus</i>	1
Barred owl	<i>Strix varia</i>	6
Big brown bat	<i>Eptesicus fuscus</i>	2
Black vulture	<i>Coragyps atratus</i>	1
Blue jay	<i>Cyanocitta cristata</i>	2
Canadian goose	<i>Branta canadensis</i>	8
Chipmunk	<i>Tamias striatus</i>	1
Common grackle	<i>Quiscalus quiscula</i>	3
Common raven	<i>Corvus corax</i>	1
Cooper's hawk	<i>Accipiter cooperii</i>	2
Coyote	<i>Canis latrans</i>	4
Eastern box turtle	<i>Terrapene carolina</i>	5
Eastern cottontail	<i>Sylvilagus floridanus</i>	114
Eastern gray squirrel	<i>Sciurus carolinensis</i>	31
Eastern mole	<i>Scalopus aquaticus</i>	1
Eastern red bat	<i>Lasiurus borealis</i>	2
Eastern screech-owl	<i>Megascops asio</i>	1
Great blue heron	<i>Ardea herodias</i>	2
Great horned owl	<i>Bubo virginianus</i>	4
Grey fox	<i>Urocyon cinereoargenteus</i>	2
Groundhog	<i>Marmota monax</i>	17
Horned grobe	<i>Podiceps auritus</i>	1
House mouse	<i>Mus musculus</i>	5
Mallard	<i>Anas platyrhynchos</i>	1
Meadow vole	<i>Microtus pennsylvanicus</i>	7
Mourning dove	<i>Zenaida macroura</i>	1
North American river otter	<i>Lontra canadensis</i>	1
Northern red-bellied cooter	<i>Pseudemys rubriventris</i>	1
Norway rat	<i>Rattus norvegicus</i>	3
Porcupine	<i>Erethizon dorsatum</i>	2

Northern raccoon	<i>Procyon lotor</i>	117
Red fox	<i>Vulpes vulpes</i>	40
Red-shouldered hawk	<i>Buteo lineatus</i>	5
Red-tailed hawk	<i>Buteo jamaicensis</i>	5
Ring-billed gull	<i>Larus delawarensis</i>	1
Striped skunk	<i>Mephitis mephitis</i>	22
Snapping turtle	<i>Chelydra serpentina</i>	3
Turkey vulture	<i>Cathartes aura</i>	1
Virginia opossum	<i>Didelphis virginiana</i>	86
White-footed mouse	<i>Peromyscus leucopus</i>	36
White-tailed deer	<i>Odocoileus virginianus</i>	270
Wild turkey	<i>Meleagris gallopavo</i>	1
Wisconsin turtle	<i>Chrysemys picta</i>	1

**Table S2:** Tick-borne virus-serostatus in wildlife samples from each Health Planning Region of Virginia

Health Region	Number tested	POWV-seropositive samples n (%; 95% CI)
Northwestern	429	23 (5.4; 3.2-7.5)
Northern	164	6 (3.7; 0.8-6.5)
Southwestern	212	114 (54; 47-60)
Central	3	0 (0; 0-0)
Eastern	3	1 (33; 0-87)
Health Region	Number tested	BRBV-seropositive samples n (%; 95% CI)
Northwestern	423	47 (11; 8.1-14.1)
Northern	165	6 (3; 0.4-5.6)
Southwestern	176	8 (4.5; 1.5-7.6)
Central	3	0 (0;0-0)
Eastern	3	0 (0;0-0)
Health Region	Number tested	HRTV-seropositive samples n (%; 95% CI)
Northwestern	422	20 (4.7; 2.7-6.8)
Northern	164	3 (1.8; 0-3.9)
Southwestern	174	13 (7.4; 3.6-11.4)
Central	3	1(33%; 0-87)
Eastern	3	1 (33%; 0-87)

**Table S3:** Tick-borne virus-serostatus in livestock samples from each Health Planning Region of Virginia

Health Region	Number tested	Number of POWV-seropositive Samples (%; 95% CI)	Number of BRBV-seropositive samples (%; 95% CI)	Number of HRTV-seropositive samples (%; 95% CI)
Northwestern	116	1 (0.9; 0-2.5)	3 (2.6; 0-5.5)	9 (7.8; 2.9-12.6)
Northern	17	0 (0; 0-0)	0 (0; 0-0)	1 (5.9; 0-17.1)
Southwestern	173	4 (2.3; 0-4.6)	0 (0; 0-0)	4 (2.3; 0-4.6)
Central	164	0 (0; 0-0)	2 (1.2; 0-2.9)	24 (14.6; 9.2-20)
Eastern	30	0 (0; 0-0)	1 (3.3; 0-9.8)	2 (6.6; 0-15.6)
<b>Total</b>	500	5 (1; 0.1-1.9)	6 (1.2; 0.2-2.2)	40 (8; 5.6-10)