**IbisBlood10\_14 data:**

ID: ID number corresponding to that individual Ibis sampled

Site: Location where the Ibis was sampled

Royal Palms = “RP”

Everglades = “E”

Dreher Park = “DRP”

Indian Creek = “ICP”

Juno Beach = “JB”

Lion County Safari = “LCS”

Lake Worth = “LW”

Prosperity Oaks = “PO”

Promenade Plaza = “PP”

San Mateo = “SM”

Solid Waste Authority = “SWA”

West Palm Beach Zoo = “WPBZ”

Date: Date the Ibis was sampled

Sex: Sex of the sampled Ibis

Male = “M”

Female = “F”

Age: Age of the sampled Ibis

Adult = “A”

Juvenile = “J”

TotalRBC: Total red blood cell count from the sample of each individual ibis

HaeParasit: Haemoproteus parasitemia measured from the sampled Ibis

**IbisBlood15\_17 Data:**

ID: ID number corresponding to that individual Ibis sampled

Site: Location where the Ibis was sampled

[1] "Juno Beach" = “JB”

[2] "Indian Creek Park" = “ICP”

[3] "Dubois park" = “DUP”

[4] "Dreher Park" = “DRP”

[5] "Lion Country Safari" = “LCS”

[6] "Dubois Park" = “DUP”

[7] "Loxahatchee Wildlife Refuge" = “LOXWR”

[8] "J.W. Corbett Wildlife Management Area" = “JWC”

[9] "Gaines Park" = “GP”

[10] "Solid Waste Authority" = “SWA”

[11] "Fisheating creek" = “FC”

[12] "Kitching Creek" = “KC”

[13] "Loxahatchee NE" = “LOXNE”

[14] "DuBois Park" = “DUP”

[15] "TetraTech" = “TT”

[16] "Green Cay" = “GC”

[17] "Dreher park" = “DRP”

[18] "CROW Wildlife Rehabilitation Center" = “CROW”

[19] "Lake Worth" = “LW”

[20] "Royal Palm" = “RP”

[21] "JW Corbett" = “JWC”

[22] "Busch Wildlife Sanctuary" = “BWS”

[23] "Loxahatchee Slough" = “LOXS”

[24] "Indian Creek" = “ICP”

[25] "Cat House (Bonnie's, Richard Lane)" = “CAT”

[26] "Palm Beach Zoo" = “WPBZ”

[27] NA

Sex: Sex of the sampled Ibis

“M” = Male

“F” = Female

“not bled” = NA

“M?” = NA

“F?” = NA

Age: Age of the sampled Ibis

“J” = Juvenile

“A” = Adult

"Juvenile" = “J”

"Adult" = “A”

"2nd/3rd year" = “J”

"3rd year" = “J”

"1st year" = “J”

"adult" = “A”

"2nd year" = “J”

"NA" = NA

"2nd Year" = “J”

"Late third year" = “J”

"ADULT" = “A”

"Adult bc" = “A”

[13] NA = NA

Season: Season the ibis was sampled

"Fall 2015"

"Spring 2016"

"Spring 2017"

"Summer 2016"

"Fall 2016"

"Summer 2017"

NA

HabType: Habitat type of the location where the ibis was sampled

Urban

Natural

TotalRBC: Total Red Blood Cell count for the sampled ibis

NumHae: Number of Haemoproteus seen

HaeParasit: Haemoproteus parasitemia measured from the sampled Ibis

F1-F3: Red blood cell counts for the sampled ibis

AvgRBC: Average Red Blood Cell count for the sampled Ibis (based on F1-F3)

IbisNum: Number of the sampled ibis, matches with IbisFieldDataOct19\_2017 dataset

TotalMassG: Total mass of the ibis and sample bag in grams

BagMass: Total mass of the bag the ibis was sampled in in grams

BirdMassG: Total mass of just the sampled ibis in grams

BodyCondScore: Body condition score

EctoParasitScore: Ectoparasite score

CulmenLmm: Length of the culmen in mm

TarsusLmm: Length of the Tarsus in mm

TarsusWmm: Width of the Tarsus in mm

SeroVolBleed: Volume serology bleed B and C (ul; after bka and cort)

**IbisFieldDataOct19\_2017 Data:**

ID

Site = Site.name

Lat = Latitude

Long = Longitude

Date = Date

Sex = PCR.sex

Age = Age

Season = Season

Habitat Type = Habitat.type

Ibis Number = Ibis.number

Mass bird (g) = BirdMassG

Body condition score (1-5) = BodyCondScore

Ectoparasite score (1-5) = EctoParasitScore

Culmen length = CulmenLmm

Wing chord length = WingChordLmm

Tarsus length = TarsusLmm

Tarsus width = TarsusWmm

Habituation score of flock (1-5) = HabFlockScore

ID: ID number corresponding to that individual Ibis sampled

Site: Location where the Ibis was sampled

[1] "Busch Wildlife Sanctuary" = “BWS”

[2] "Cat House (Bonnie's, Richard Lane)" = “CAT”

[3] "Dubois Park" = “DUP”

[4] "DuBois Park" = “DUP”

[5] "Dreher Park" = “DRP”

[6] "Fisheating Creek" = “FC”

[7] "Green Cay" = “GC”

[8] "Gaines Park" = “GP”

[9] "Indian Creek" = “ICP”

[10] "Juno Beach" = “JB”

[11] "Juno Beach " = “JB”

[12] "J.W. Corbett Wildlife Management Area" = “JWC”

[13] "Kitching Creek" = “KC”

[14] "Lion Country Safari" = “LCS”

[15] "Lake Worth" = “LW”

[16] "Loxahatchee Slough" “LOXS”

[17] "Loxahatchee Wildlife Refuge" = “LOXWR”

[18] "Loxahatchee/LILA Cell B2" = “LOXB2”

[19] "Loxahatchee NE " = “LOXNE”

[20] "Palm Beach Zoo" = “WPBZ”

[21] "Royal Palm" = “RP”

[22] "CROW Wildlife Rehabilitation Center" = “CROW”

[23] "Solid Waste Authority" = “SWA”

[24] "TetraTech” = “TT”

Age

"Adult" = “A”

"3rd year" = “J”

"2nd year" = “J”

"1st year" = “J”

"NA" = NA

"-999" = “NA”

"Adult " = “A”

"2nd year “ = “J”

"Juvenile" = “J”

"2nd Year" = “J”

Season: Season the ibis was sampled

Sampling season: Fall (September - December), Spring (February - March), Summer (June - August)

"Fall 2015"

"Spring 2016"

"Spring 2017"

"Summer 2016"

"Fall 2016"

"Summer 2017"

NA

HabType: Habitat type of the location where the ibis was sampled

IbisNum: Number of the sampled ibis, matches with IbisFieldDataOct19\_2017 dataset

BirdMassG: Total mass of just the sampled ibis in grams

BodyCondScore: Body condition score; ordinal scale from 1 to 5 based on the palpation of the thickness of the pectoral muscle and presence of subcutaneous fat on and around the sternum. Ibises with little muscle over the sternum received a score of 1 or 2, ibises with noticeable pectoral muscle around the sternum would receive a 3, and ibises with a broad U shaped chest wherein the muscle and subcutaneous fat either extends to or past the sternum received a 4 or 5

EctoParasitScore: Ectoparasite score; ectoparasite loads of lice [Phthiraptera: Ardeicola spp., Colpocephalum spp., Ibidoecus spp., and Plegadiphilus spp.] on head and neck, and mite [Acari] eggs on flight feathers. Ectoparasite burdens were scored on an ordinal scale: 1 (no parasites observed), 2 (<50 mite eggs or <5 lice), 3 (between 50 and 100 mite eggs and/or <10 lice), 4 (between 100 and 150 mite eggs and/or <20 lice), and 5 (>150 mite eggs and >150 mite eggs).

CulmenLmm: Length of the culmen in mm

WingChordLmm: Length of the wing chord in mm

TarsusLmm: Length of the Tarsus in mm

TarsusWmm: Width of the Tarsus in mm

HabFlockScore: Ibises which actively approached humans and begged for food were scored a 5; birds that tolerated humans within 3m and begged for food were scored a 4; ibises that tolerated humans between 3m and 10m were scored a 3; ibises that tolerated humans within 10m but did not consume anthropogenic food were scored a 2; ibises intolerant of human presence that flushed at 10m were scored a 1.

**Urbanization Dataset**

ID: ID number corresponding to that individual Ibis sampled

Date: The date that individual ibis was sampled

Weight: Weight of the ibis? (No unit of measurement)

HgPPM: Assuming parts per million of mercury

Site:

[1] "Juno Beach" = “JB”

[2] "Indian Creek" = “ICP”

[3] "Dubois Park" = “DUP”

[4] "Dreher Park" = “DRP”

[5] "Lion Country Safari" = “LCS”

[6] "Loxahatchee Wildlife Refuge" = “LOXWR”

[7] "Solid Waste Authority " = “SWA”

[8] "Gaines Park" = “GP”

[9] "Kitching Creek" = “KC”

[10] "Kitching Creek " = “KC”

[11] "Loxahatchee NE" = “LOXNE”

[12] "TetraTech" = “TT”

[13] "Loxahatchee NE " = “LOXNE”

[14] "Green Cay" = “GC”

[15] "J.W. Corbett Wildlife Management Area" = “JWC”

[16] "Loxahatchee Slough" = “LOXS”

[17] "Lake Worth" = “LW”

UrbanPercent: % of the environment the ibis was sampled in is urbanized

Serotype: Serotype of salmonella present from the sampled Ibis

Combined Dataset

HaeParasitPA - Parasite presence (1) /absence (0)