**Appendix A**

**Table S1**. In the Caribbean (CAR), Florida East Coast (FEC) and Mid-Atlantic Bight (MAB) statistical areas, for each turtle ID, the primary and secondary assignments, generated from the program ONCOR (Kalinowski et al. 2007), with associated probabilities are given.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Turtle ID** | **Zone** | **Source 1** | **Probability 1** | **Source 2** | **Probability 2** |
| 35923 | CAR | Costa Rica | 1.00 |  |  |
| 35924 | CAR | Costa Rica | 0.98 | Fr. Guiana | 0.02 |
| 46591 | CAR | Fr. Guiana | 0.80 | Costa Rica | 0.20 |
| 47430 | FEC | St. Croix | 0.59 | Florida | 0.41 |
| 47431 | FEC | Florida | 0.68 | St. Croix | 0.30 |
| 47432 | FEC | St. Croix | 0.58 | Florida | 0.42 |
| 69563 | FEC | St. Croix | 0.96 | Florida | 0.03 |
| 78954 | FEC | Trinidad | 0.64 | Florida | 0.33 |
| 78983 | FEC | Florida | 0.81 | Trinidad | 0.15 |
| 124790 | FEC | Florida | 0.70 | St. Croix | 0.29 |
| 117340 | FEC | St. Croix | 0.82 | Trinidad | 0.10 |
| 117362 | FEC | St. Croix | 0.97 | Costa Rica | 0.02 |
| 117503 | FEC | Florida | 0.99 | St. Croix | 0.01 |
| 30369 | MAB | Florida | 0.94 | Trinidad | 0.04 |
| 46535 | MAB | Florida | 0.78 | Costa Rica | 0.22 |
| 46541 | MAB | Costa Rica | 0.45 | Trinidad | 0.41 |
| 46542 | MAB | Trinidad | 0.88 | Fr. Guiana | 0.06 |
| 46549 | MAB | Trinidad | 0.90 | Fr. Guiana | 0.08 |
| 46550 | MAB | Trinidad | 0.88 | Fr. Guiana | 0.12 |
| 46553 | MAB | Trinidad | 0.97 | Fr. Guiana | 0.03 |
| 46576 | MAB | Florida | 0.63 | Costa Rica | 0.29 |
| 46578 | MAB | Costa Rica | 0.44 | Trinidad | 0.36 |
| 46579 | MAB | Fr. Guiana | 0.40 | Florida | 0.35 |
| 46580 | MAB | Trinidad | 0.98 | Fr. Guiana | 0.02 |
| 46581 | MAB | Trinidad | 1.00 |  |  |
| 46596 | MAB | Trinidad | 0.53 | St. Croix | 0.26 |
| 46597 | MAB | Trinidad | 0.73 | Costa Rica | 0.25 |
| 69572 | MAB | Trinidad | 0.86 | Fr. Guiana | 0.14 |
| 78921 | MAB | Trinidad | 0.74 | Costa Rica | 0.23 |
| 78944 | MAB | Fr. Guiana | 0.65 | Trinidad | 0.35 |
| 78945 | MAB | Trinidad | 0.94 | Fr. Guiana | 0.06 |
| 78947 | MAB | Trinidad | 0.87 | Fr. Guiana | 0.12 |
| 79009 | MAB | Trinidad | 0.49 | Costa Rica | 0.29 |
| 79010 | MAB | Trinidad | 0.88 | Fr. Guiana | 0.10 |
| 79011 | MAB | Costa Rica | 0.70 | Florida | 0.18 |
| 124796 | MAB | Trinidad | 0.71 | Costa Rica | 0.17 |
| 117376 | MAB | Trinidad | 0.89 | Fr. Guiana | 0.10 |
| 117378 | MAB | Trinidad | 0.73 | Fr. Guiana | 0.17 |
| 117533 | MAB | Trinidad | 0.95 | Fr. Guiana | 0.04 |

**Table S2**. In the Gulf of Mexico statistical area, for each turtle ID, the primary and secondary assignments, generated from the program ONCOR (Kalinowski et al. 2007), with associated probabilities are given.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Turtle ID** | **Zone** | **Source 1** | **Probability 1** | **Source 2** | **Probability 2** |
| 78962 | GOM | Brazil | 1.00 |  |  |
| 78974 | GOM | Costa Rica | 0.98 | Fr. Guiana | 0.01 |
| 78956 | GOM | Costa Rica | 0.98 | St. Croix | 0.01 |
| 55724 | GOM | Costa Rica | 0.98 | Trinidad | 0.01 |
| 69573 | GOM | Costa Rica | 0.97 | Trinidad | 0.03 |
| 79000 | GOM | Costa Rica | 0.95 | Trinidad | 0.05 |
| 78952 | GOM | Costa Rica | 0.94 | St. Croix | 0.03 |
| 78948 | GOM | Costa Rica | 0.94 | St. Croix | 0.04 |
| 78963 | GOM | Costa Rica | 0.94 | Trinidad | 0.04 |
| 55725 | GOM | Costa Rica | 0.93 | St. Croix | 0.07 |
| 124788 | GOM | Costa Rica | 0.90 | Florida | 0.06 |
| 46588 | GOM | Costa Rica | 0.88 | Florida | 0.11 |
| 124811 | GOM | Costa Rica | 0.88 | Florida | 0.10 |
| 78950 | GOM | Costa Rica | 0.88 | Florida | 0.07 |
| 69553 | GOM | Costa Rica | 0.87 | St. Croix | 0.13 |
| 124787 | GOM | Costa Rica | 0.86 | Florida | 0.08 |
| 69555 | GOM | Costa Rica | 0.86 | St. Croix | 0.13 |
| 69568 | GOM | Costa Rica | 0.82 | St. Croix | 0.14 |
| 124810 | GOM | Costa Rica | 0.81 | St. Croix | 0.14 |
| 69552 | GOM | Costa Rica | 0.81 | St. Croix | 0.16 |
| 46546 | GOM | Costa Rica | 0.79 | Trinidad | 0.10 |
| 78938 | GOM | Costa Rica | 0.78 | St. Croix | 0.09 |
| 55733 | GOM | Costa Rica | 0.77 | Trinidad | 0.22 |
| 69575 | GOM | Costa Rica | 0.76 | Florida | 0.12 |
| 78949 | GOM | Costa Rica | 0.75 | St. Croix | 0.24 |
| 78923 | GOM | Costa Rica | 0.75 | St. Croix | 0.16 |
| 78951 | GOM | Costa Rica | 0.70 | St. Croix | 0.30 |
| 78999 | GOM | Costa Rica | 0.70 | St. Croix | 0.29 |
| 69547 | GOM | Costa Rica | 0.69 | Trinidad | 0.19 |
| 124822 | GOM | Costa Rica | 0.68 | Trinidad | 0.25 |
| 46585 | GOM | Costa Rica | 0.68 | St. Croix | 0.32 |
| 78941 | GOM | Costa Rica | 0.67 | Florida | 0.22 |
| 78968 | GOM | Costa Rica | 0.65 | Trinidad | 0.32 |
| 55731 | GOM | Costa Rica | 0.65 | Trinidad | 0.24 |
| 78959 | GOM | Costa Rica | 0.65 | Trinidad | 0.16 |
| 78998 | GOM | Costa Rica | 0.65 | Trinidad | 0.22 |
| 69567 | GOM | Costa Rica | 0.64 | Trinidad | 0.14 |
| 124813 | GOM | Costa Rica | 0.58 | Trinidad | 0.34 |
| 78953 | GOM | Costa Rica | 0.53 | Trinidad | 0.40 |
| 55726 | GOM | Costa Rica | 0.50 | Trinidad | 0.24 |
| 79006 | GOM | Costa Rica | 0.49 | St. Croix | 0.48 |
| 78955 | GOM | Costa Rica | 0.48 | Trinidad | 0.27 |
| 124789 | GOM | Costa Rica | 0.46 | Trinidad | 0.28 |
| 55734 | GOM | Costa Rica | 0.43 | St. Croix | 0.30 |
| 47421 | GOM | Fr. Guiana | 0.99 | Trinidad | 0.01 |
| 78984 | GOM | Fr. Guiana | 0.94 | Trinidad | 0.05 |
| 55735 | GOM | Fr. Guiana | 0.91 | Trinidad | 0.08 |
| 78958 | GOM | Fr. Guiana | 0.83 | Costa Rica | 0.09 |
| 56710 | GOM | Fr. Guiana | 0.76 | Trinidad | 0.24 |
| 46589 | GOM | Fr. Guiana | 0.67 | Trinidad | 0.33 |

**Table S2**. Continued.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Turtle ID** | **Zone** | **Source 1** | **Probability 1** | **Source 2** | **Probability 2** |
| 55723 | GOM | Fr. Guiana | 0.55 | Trinidad | 0.42 |
| 124824 | GOM | Fr. Guiana | 0.54 | Trinidad | 0.43 |
| 69554 | GOM | Fr. Guiana | 0.53 | Trinidad | 0.47 |
| 124815 | GOM | Fr. Guiana | 0.52 | Trinidad | 0.47 |
| 69564 | GOM | Fr. Guiana | 0.47 | Costa Rica | 0.46 |
| 78982 | GOM | St. Croix | 1.00 |  |  |
| 78922 | GOM | St. Croix | 0.56 | Costa Rica | 0.43 |
| 124800 | GOM | Trinidad | 1.00 |  |  |
| 124784 | GOM | Trinidad | 1.00 |  |  |
| 46599 | GOM | Trinidad | 0.96 | Fr. Guiana | 0.03 |
| 78985 | GOM | Trinidad | 0.95 | Costa Rica | 0.04 |
| 124803 | GOM | Trinidad | 0.94 | Fr. Guiana | 0.03 |
| 124805 | GOM | Trinidad | 0.94 | Fr. Guiana | 0.03 |
| 69548 | GOM | Trinidad | 0.93 | Fr. Guiana | 0.05 |
| 124823 | GOM | Trinidad | 0.91 | Florida | 0.04 |
| 124816 | GOM | Trinidad | 0.91 | Fr. Guiana | 0.07 |
| 55727 | GOM | Trinidad | 0.84 | Costa Rica | 0.11 |
| 47426 | GOM | Trinidad | 0.84 | Fr. Guiana | 0.08 |
| 55722 | GOM | Trinidad | 0.83 | Fr. Guiana | 0.15 |
| 46583 | GOM | Trinidad | 0.83 | Costa Rica | 0.15 |
| 78961 | GOM | Trinidad | 0.82 | Fr. Guiana | 0.10 |
| 69579 | GOM | Trinidad | 0.82 | Fr. Guiana | 0.18 |
| 124812 | GOM | Trinidad | 0.81 | Costa Rica | 0.06 |
| 124809 | GOM | Trinidad | 0.80 | Costa Rica | 0.11 |
| 78960 | GOM | Trinidad | 0.79 | Fr. Guiana | 0.09 |
| 46586 | GOM | Trinidad | 0.78 | Costa Rica | 0.11 |
| 79007 | GOM | Trinidad | 0.76 | Fr. Guiana | 0.23 |
| 69556 | GOM | Trinidad | 0.73 | Fr. Guiana | 0.25 |
| 69546 | GOM | Trinidad | 0.73 | Costa Rica | 0.14 |
| 78964 | GOM | Trinidad | 0.72 | Fr. Guiana | 0.27 |
| 124783 | GOM | Trinidad | 0.72 | Costa Rica | 0.17 |
| 78939 | GOM | Trinidad | 0.72 | Fr. Guiana | 0.27 |
| 46587 | GOM | Trinidad | 0.71 | Costa Rica | 0.14 |
| 69551 | GOM | Trinidad | 0.70 | Costa Rica | 0.13 |
| 69580 | GOM | Trinidad | 0.68 | Fr. Guiana | 0.21 |
| 78940 | GOM | Trinidad | 0.64 | Fr. Guiana | 0.33 |
| 79008 | GOM | Trinidad | 0.60 | Fr. Guiana | 0.40 |
| 46592 | GOM | Trinidad | 0.58 | Fr. Guiana | 0.41 |
| 78986 | GOM | Trinidad | 0.57 | Fr. Guiana | 0.30 |
| 69566 | GOM | Trinidad | 0.57 | Costa Rica | 0.36 |
| 124799 | GOM | Trinidad | 0.57 | Florida | 0.33 |
| 69565 | GOM | Trinidad | 0.57 | Costa Rica | 0.31 |
| 54473 | GOM | Trinidad | 0.53 | Fr. Guiana | 0.45 |
| 47420 | GOM | Trinidad | 0.49 | Costa Rica | 0.40 |
| 124801 | GOM | Trinidad | 0.45 | Costa Rica | 0.34 |
| 78973 | GOM | Trinidad | 0.42 | Fr. Guiana | 0.38 |
| 47423 | GOM | Trinidad | 0.42 | Costa Rica | 0.29 |
| 55732 | GOM | Trinidad | 0.42 | Costa Rica | 0.40 |
| 78957 | GOM | Trinidad | 0.36 | Fr. Guiana | 0.34 |
| 69574 | GOM | Trinidad | 0.36 | Fr. Guiana | 0.33 |

**Table S3**. In the Northeast Coastal (NEC), South Atlantic Bight (SAB) and Sargasso (SAR) statistical areas, for each turtle ID, the primary and secondary assignments, generated from the program ONCOR (Kalinowski et al. 2007), with associated probabilities are given.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Turtle ID** | **Zone** | **Source 1** | **Probability 1** | **Source 2** | **Probability 2** |
| 37369 | NEC | Fr. Guiana | 0.58 | Trinidad | 0.42 |
| 37370 | NEC | St. Croix | 0.91 | Costa Rica | 0.09 |
| 46575 | NEC | Fr. Guiana | 0.95 | Trinidad | 0.05 |
| 69549 | NEC | Trinidad | 0.99 | Fr. Guiana | 0.01 |
| 69550 | NEC | St. Croix | 0.75 | Trinidad | 0.15 |
| 69557 | NEC | Trinidad | 0.93 | Fr. Guiana | 0.03 |
| 69558 | NEC | Trinidad | 0.59 | Fr. Guiana | 0.41 |
| 69559 | NEC | Trinidad | 0.95 | Fr. Guiana | 0.05 |
| 69560 | NEC | Trinidad | 0.75 | Fr. Guiana | 0.24 |
| 69561 | NEC | Fr. Guiana | 0.68 | Trinidad | 0.16 |
| 69569 | NEC | Trinidad | 0.78 | Costa Rica | 0.13 |
| 69570 | NEC | Costa Rica | 0.60 | Trinidad | 0.39 |
| 69571 | NEC | Trinidad | 0.93 | Fr. Guiana | 0.07 |
| 78934 | NEC | Trinidad | 0.86 | Fr. Guiana | 0.13 |
| 78936 | NEC | Trinidad | 0.90 | Fr. Guiana | 0.10 |
| 78937 | NEC | Trinidad | 0.81 | Fr. Guiana | 0.18 |
| 78976 | NEC | Trinidad | 0.38 | St. Croix | 0.31 |
| 78978 | NEC | Fr. Guiana | 0.59 | Trinidad | 0.37 |
| 78980 | NEC | Trinidad | 0.64 | Fr. Guiana | 0.36 |
| 78981 | NEC | Trinidad | 0.69 | Fr. Guiana | 0.25 |
| 78990 | NEC | Fr. Guiana | 0.64 | Trinidad | 0.36 |
| 78991 | NEC | Trinidad | 0.54 | Fr. Guiana | 0.46 |
| 79001 | NEC | Trinidad | 0.92 | Fr. Guiana | 0.05 |
| 79002 | NEC | Trinidad | 0.83 | Fr. Guiana | 0.15 |
| 79003 | NEC | Trinidad | 0.60 | Fr. Guiana | 0.40 |
| 124798 | NEC | Trinidad | 0.92 | Fr. Guiana | 0.08 |
| 124817 | NEC | Trinidad | 0.59 | Fr. Guiana | 0.41 |
| 117490 | NEC | Trinidad | 0.59 | Fr. Guiana | 0.38 |
| 117499 | NEC | Trinidad | 0.65 | Fr. Guiana | 0.18 |
| 117518 | NEC | Trinidad | 0.52 | Fr. Guiana | 0.48 |
| 46544 | SAB | Costa Rica | 0.78 | Trinidad | 0.22 |
| 55739 | SAB | Trinidad | 1.00 |  |  |
| 55740 | SAB | Trinidad | 1.00 |  |  |
| 78933 | SAB | Trinidad | 0.95 | Costa Rica | 0.05 |
| 124785 | SAB | Trinidad | 0.92 | Costa Rica | 0.08 |
| 124786 | SAB | Trinidad | 0.93 | Costa Rica | 0.07 |
| 124794 | SAB | Trinidad | 0.99 |  |  |
| 124795 | SAB | Costa Rica | 0.65 | Trinidad | 0.33 |
| 69562 | SAR | Costa Rica | 1.00 |  |  |
| 117354 | SAR | Costa Rica | 1.00 |  |  |
| 117501 | SAR | Costa Rica | 1.00 |  |  |

**Table S4**. In the Northeast Distant (NED) statistical area, for each turtle ID, the primary and secondary assignments, generated from the program ONCOR (Kalinowski et al. 2007), with associated probabilities are given.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Turtle ID** | **Zone** | **Source 1** | **Probability 1** | **Source 2** | **Probability 2** |
| 30204 | NED | Costa Rica | 0.94 | Trinidad | 0.03 |
| 30228 | NED | Costa Rica | 0.86 | Trinidad | 0.11 |
| 78995 | NED | Costa Rica | 0.83 | Fr. Guiana | 0.16 |
| 35951 | NED | Costa Rica | 0.79 | St. Croix | 0.15 |
| 30358 | NED | Costa Rica | 0.68 | St. Croix | 0.12 |
| 30190 | NED | Costa Rica | 0.61 | Trinidad | 0.34 |
| 46559 | NED | Costa Rica | 0.57 | Trinidad | 0.27 |
| 30359 | NED | Costa Rica | 0.57 | St. Croix | 0.21 |
| 35930 | NED | Costa Rica | 0.53 | St. Croix | 0.43 |
| 35932 | NED | Costa Rica | 0.52 | Trinidad | 0.38 |
| 69577 | NED | Costa Rica | 0.52 | Trinidad | 0.26 |
| 35952 | NED | Costa Rica | 0.49 | Trinidad | 0.33 |
| 30179 | NED | Costa Rica | 0.42 | Trinidad | 0.25 |
| 30368 | NED | Fr. Guiana | 0.99 |  |  |
| 30143 | NED | Fr. Guiana | 0.99 |  |  |
| 35914 | NED | Fr. Guiana | 0.99 |  |  |
| 35928 | NED | Fr. Guiana | 0.98 | Trinidad | 0.02 |
| 30195 | NED | Fr. Guiana | 0.97 | Trinidad | 0.03 |
| 30197 | NED | Fr. Guiana | 0.95 | Costa Rica | 0.02 |
| 35918 | NED | Fr. Guiana | 0.91 | Trinidad | 0.09 |
| 35947 | NED | Fr. Guiana | 0.91 | Trinidad | 0.09 |
| 35919 | NED | Fr. Guiana | 0.91 | Costa Rica | 0.09 |
| 30187 | NED | Fr. Guiana | 0.90 | Trinidad | 0.10 |
| 35917 | NED | Fr. Guiana | 0.87 | Trinidad | 0.13 |
| 30188 | NED | Fr. Guiana | 0.87 | Trinidad | 0.13 |
| 30361 | NED | Fr. Guiana | 0.86 | Trinidad | 0.14 |
| 30363 | NED | Fr. Guiana | 0.86 | Trinidad | 0.14 |
| 35933 | NED | Fr. Guiana | 0.85 | Trinidad | 0.14 |
| 30186 | NED | Fr. Guiana | 0.83 | Trinidad | 0.17 |
| 35957 | NED | Fr. Guiana | 0.83 | Trinidad | 0.17 |
| 30163 | NED | Fr. Guiana | 0.82 | Trinidad | 0.18 |
| 35961 | NED | Fr. Guiana | 0.80 | Trinidad | 0.20 |
| 35925 | NED | Fr. Guiana | 0.79 | Trinidad | 0.21 |
| 35941 | NED | Fr. Guiana | 0.77 | Trinidad | 0.23 |
| 30221 | NED | Fr. Guiana | 0.76 | Trinidad | 0.24 |
| 35967 | NED | Fr. Guiana | 0.76 | Trinidad | 0.23 |
| 30220 | NED | Fr. Guiana | 0.76 | Trinidad | 0.24 |
| 35953 | NED | Fr. Guiana | 0.75 | Trinidad | 0.25 |
| 30211 | NED | Fr. Guiana | 0.74 | Trinidad | 0.26 |
| 35965 | NED | Fr. Guiana | 0.72 | Costa Rica | 0.27 |
| 35938 | NED | Fr. Guiana | 0.71 | Trinidad | 0.28 |
| 30165 | NED | Fr. Guiana | 0.71 | Trinidad | 0.29 |
| 30162 | NED | Fr. Guiana | 0.71 | Trinidad | 0.29 |
| 78970 | NED | Fr. Guiana | 0.70 | Costa Rica | 0.22 |
| 30200 | NED | Fr. Guiana | 0.69 | Trinidad | 0.31 |
| 30388 | NED | Fr. Guiana | 0.69 | Trinidad | 0.31 |
| 30193 | NED | Fr. Guiana | 0.69 | Trinidad | 0.31 |
| 30212 | NED | Fr. Guiana | 0.68 | Trinidad | 0.32 |
| 30177 | NED | Fr. Guiana | 0.67 | Trinidad | 0.33 |
| 30216 | NED | Fr. Guiana | 0.66 | Trinidad | 0.34 |

**Table S4**. Continued.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Turtle ID** | **Zone** | **Source 1** | **Probability 1** | **Source 2** | **Probability 2** |
| 30189 | NED | Fr. Guiana | 0.65 | Trinidad | 0.35 |
| 78943 | NED | Fr. Guiana | 0.64 | Trinidad | 0.36 |
| 30183 | NED | Fr. Guiana | 0.63 | Trinidad | 0.37 |
| 37364 | NED | Fr. Guiana | 0.63 | Trinidad | 0.37 |
| 30153 | NED | Fr. Guiana | 0.63 | Trinidad | 0.37 |
| 37361 | NED | Fr. Guiana | 0.61 | Trinidad | 0.38 |
| 78942 | NED | Fr. Guiana | 0.60 | Trinidad | 0.39 |
| 35936 | NED | Fr. Guiana | 0.60 | Trinidad | 0.40 |
| 30367 | NED | Fr. Guiana | 0.59 | Trinidad | 0.40 |
| 30360 | NED | Fr. Guiana | 0.58 | Trinidad | 0.40 |
| 35929 | NED | Fr. Guiana | 0.58 | Trinidad | 0.41 |
| 35915 | NED | Fr. Guiana | 0.58 | Trinidad | 0.41 |
| 30202 | NED | Fr. Guiana | 0.58 | Trinidad | 0.40 |
| 30375 | NED | Fr. Guiana | 0.57 | Trinidad | 0.41 |
| 30149 | NED | Fr. Guiana | 0.57 | Trinidad | 0.43 |
| 30376 | NED | Fr. Guiana | 0.56 | Trinidad | 0.41 |
| 78930 | NED | Fr. Guiana | 0.56 | Trinidad | 0.44 |
| 35939 | NED | Fr. Guiana | 0.56 | Trinidad | 0.43 |
| 35946 | NED | Fr. Guiana | 0.55 | Trinidad | 0.43 |
| 78988 | NED | Fr. Guiana | 0.54 | Trinidad | 0.46 |
| 30223 | NED | Fr. Guiana | 0.54 | Trinidad | 0.46 |
| 35968 | NED | Fr. Guiana | 0.54 | Trinidad | 0.45 |
| 30150 | NED | Fr. Guiana | 0.54 | Trinidad | 0.46 |
| 30170 | NED | Fr. Guiana | 0.53 | Trinidad | 0.47 |
| 30174 | NED | Fr. Guiana | 0.51 | Trinidad | 0.49 |
| 37366 | NED | Fr. Guiana | 0.51 | Trinidad | 0.49 |
| 35969 | NED | Fr. Guiana | 0.51 | Trinidad | 0.49 |
| 30394 | NED | Fr. Guiana | 0.50 | Trinidad | 0.49 |
| 35935 | NED | Fr. Guiana | 0.47 | Trinidad | 0.44 |
| 78971 | NED | Fr. Guiana | 0.43 | Trinidad | 0.34 |
| 30219 | NED | St. Croix | 0.74 | Costa Rica | 0.24 |
| 78993 | NED | St. Croix | 0.63 | Trinidad | 0.34 |
| 35964 | NED | St. Croix | 0.47 | Trinidad | 0.31 |
| 30226 | NED | Trinidad | 1.00 |  |  |
| 30381 | NED | Trinidad | 1.00 |  |  |
| 30362 | NED | Trinidad | 0.99 |  |  |
| 35934 | NED | Trinidad | 0.99 |  |  |
| 78926 | NED | Trinidad | 0.99 | Fr. Guiana | 0.01 |
| 30201 | NED | Trinidad | 0.98 | Fr. Guiana | 0.01 |
| 30161 | NED | Trinidad | 0.98 | Fr. Guiana | 0.02 |
| 78928 | NED | Trinidad | 0.98 | Fr. Guiana | 0.02 |
| 30380 | NED | Trinidad | 0.97 | Fr. Guiana | 0.03 |
| 78932 | NED | Trinidad | 0.96 | Fr. Guiana | 0.04 |
| 30393 | NED | Trinidad | 0.96 | Fr. Guiana | 0.04 |
| 35959 | NED | Trinidad | 0.95 | Fr. Guiana | 0.03 |
| 30182 | NED | Trinidad | 0.95 | Fr. Guiana | 0.05 |
| 69576 | NED | Trinidad | 0.94 | Fr. Guiana | 0.06 |
| 78925 | NED | Trinidad | 0.93 | St. Croix | 0.03 |
| 30357 | NED | Trinidad | 0.93 | Fr. Guiana | 0.07 |
| 78929 | NED | Trinidad | 0.93 | Fr. Guiana | 0.07 |

**Table S4**. Continued.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Turtle ID** | **Zone** | **Source 1** | **Probability 1** | **Source 2** | **Probability 2** |
| 30364 | NED | Trinidad | 0.92 | Fr. Guiana | 0.08 |
| 35920 | NED | Trinidad | 0.91 | Fr. Guiana | 0.06 |
| 78994 | NED | Trinidad | 0.91 | Costa Rica | 0.05 |
| 30176 | NED | Trinidad | 0.90 | Fr. Guiana | 0.09 |
| 30164 | NED | Trinidad | 0.90 | Fr. Guiana | 0.10 |
| 30378 | NED | Trinidad | 0.89 | Fr. Guiana | 0.11 |
| 30167 | NED | Trinidad | 0.89 | St. Croix | 0.08 |
| 37362 | NED | Trinidad | 0.89 | Fr. Guiana | 0.11 |
| 30157 | NED | Trinidad | 0.88 | Fr. Guiana | 0.11 |
| 30196 | NED | Trinidad | 0.88 | Fr. Guiana | 0.11 |
| 78927 | NED | Trinidad | 0.87 | Fr. Guiana | 0.13 |
| 35963 | NED | Trinidad | 0.87 | Fr. Guiana | 0.13 |
| 30147 | NED | Trinidad | 0.87 | Fr. Guiana | 0.13 |
| 30209 | NED | Trinidad | 0.87 | Fr. Guiana | 0.13 |
| 37368 | NED | Trinidad | 0.85 | Fr. Guiana | 0.14 |
| 30171 | NED | Trinidad | 0.84 | Fr. Guiana | 0.13 |
| 30227 | NED | Trinidad | 0.84 | Fr. Guiana | 0.16 |
| 30222 | NED | Trinidad | 0.84 | Fr. Guiana | 0.16 |
| 78987 | NED | Trinidad | 0.83 | Fr. Guiana | 0.12 |
| 30148 | NED | Trinidad | 0.83 | Costa Rica | 0.14 |
| 30370 | NED | Trinidad | 0.83 | Fr. Guiana | 0.15 |
| 30208 | NED | Trinidad | 0.83 | Fr. Guiana | 0.16 |
| 30152 | NED | Trinidad | 0.82 | Fr. Guiana | 0.17 |
| 30391 | NED | Trinidad | 0.82 | Fr. Guiana | 0.17 |
| 30365 | NED | Trinidad | 0.82 | Fr. Guiana | 0.18 |
| 30384 | NED | Trinidad | 0.82 | Fr. Guiana | 0.18 |
| 30146 | NED | Trinidad | 0.81 | Fr. Guiana | 0.19 |
| 30389 | NED | Trinidad | 0.81 | Fr. Guiana | 0.09 |
| 35949 | NED | Trinidad | 0.80 | Fr. Guiana | 0.20 |
| 37365 | NED | Trinidad | 0.79 | Fr. Guiana | 0.18 |
| 35948 | NED | Trinidad | 0.79 | Fr. Guiana | 0.21 |
| 30155 | NED | Trinidad | 0.79 | Fr. Guiana | 0.21 |
| 78992 | NED | Trinidad | 0.79 | Fr. Guiana | 0.20 |
| 30379 | NED | Trinidad | 0.79 | Fr. Guiana | 0.18 |
| 35956 | NED | Trinidad | 0.78 | Fr. Guiana | 0.21 |
| 37363 | NED | Trinidad | 0.78 | Fr. Guiana | 0.21 |
| 30185 | NED | Trinidad | 0.78 | Fr. Guiana | 0.15 |
| 30392 | NED | Trinidad | 0.78 | Fr. Guiana | 0.21 |
| 46567 | NED | Trinidad | 0.78 | Fr. Guiana | 0.18 |
| 35950 | NED | Trinidad | 0.77 | Fr. Guiana | 0.20 |
| 35931 | NED | Trinidad | 0.76 | St. Croix | 0.11 |
| 30385 | NED | Trinidad | 0.76 | Fr. Guiana | 0.23 |
| 46560 | NED | Trinidad | 0.76 | Fr. Guiana | 0.22 |
| 30373 | NED | Trinidad | 0.76 | Fr. Guiana | 0.23 |
| 37367 | NED | Trinidad | 0.76 | Fr. Guiana | 0.24 |
| 30372 | NED | Trinidad | 0.75 | Fr. Guiana | 0.24 |
| 35937 | NED | Trinidad | 0.75 | Fr. Guiana | 0.24 |
| 35927 | NED | Trinidad | 0.75 | Fr. Guiana | 0.24 |
| 46595 | NED | Trinidad | 0.74 | Fr. Guiana | 0.25 |
| 30158 | NED | Trinidad | 0.74 | Fr. Guiana | 0.26 |

**Table S4**. Continued.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Turtle ID** | **Zone** | **Source 1** | **Probability 1** | **Source 2** | **Probability 2** |
| 46594 | NED | Trinidad | 0.74 | Fr. Guiana | 0.24 |
| 30383 | NED | Trinidad | 0.74 | Fr. Guiana | 0.26 |
| 30145 | NED | Trinidad | 0.74 | Fr. Guiana | 0.25 |
| 35966 | NED | Trinidad | 0.74 | Costa Rica | 0.15 |
| 35922 | NED | Trinidad | 0.73 | Fr. Guiana | 0.14 |
| 30184 | NED | Trinidad | 0.73 | Fr. Guiana | 0.27 |
| 30144 | NED | Trinidad | 0.73 | Fr. Guiana | 0.24 |
| 30374 | NED | Trinidad | 0.73 | Fr. Guiana | 0.27 |
| 35943 | NED | Trinidad | 0.73 | Costa Rica | 0.16 |
| 30192 | NED | Trinidad | 0.73 | Costa Rica | 0.23 |
| 30215 | NED | Trinidad | 0.72 | Fr. Guiana | 0.25 |
| 35962 | NED | Trinidad | 0.72 | Fr. Guiana | 0.28 |
| 46566 | NED | Trinidad | 0.71 | Fr. Guiana | 0.28 |
| 30371 | NED | Trinidad | 0.70 | Fr. Guiana | 0.27 |
| 30151 | NED | Trinidad | 0.70 | Fr. Guiana | 0.30 |
| 30160 | NED | Trinidad | 0.70 | Fr. Guiana | 0.24 |
| 30377 | NED | Trinidad | 0.69 | Fr. Guiana | 0.31 |
| 35960 | NED | Trinidad | 0.69 | Fr. Guiana | 0.31 |
| 30366 | NED | Trinidad | 0.68 | Fr. Guiana | 0.17 |
| 78989 | NED | Trinidad | 0.68 | Fr. Guiana | 0.32 |
| 30217 | NED | Trinidad | 0.68 | Fr. Guiana | 0.29 |
| 30206 | NED | Trinidad | 0.67 | Fr. Guiana | 0.21 |
| 30169 | NED | Trinidad | 0.66 | Fr. Guiana | 0.34 |
| 35916 | NED | Trinidad | 0.66 | Fr. Guiana | 0.32 |
| 30172 | NED | Trinidad | 0.66 | Fr. Guiana | 0.28 |
| 30210 | NED | Trinidad | 0.66 | Fr. Guiana | 0.26 |
| 30154 | NED | Trinidad | 0.65 | Fr. Guiana | 0.33 |
| 30213 | NED | Trinidad | 0.64 | Fr. Guiana | 0.26 |
| 30181 | NED | Trinidad | 0.63 | Fr. Guiana | 0.36 |
| 35944 | NED | Trinidad | 0.63 | Costa Rica | 0.30 |
| 30168 | NED | Trinidad | 0.63 | Fr. Guiana | 0.37 |
| 78996 | NED | Trinidad | 0.63 | Fr. Guiana | 0.37 |
| 30382 | NED | Trinidad | 0.63 | Fr. Guiana | 0.37 |
| 30386 | NED | Trinidad | 0.63 | Fr. Guiana | 0.36 |
| 35926 | NED | Trinidad | 0.62 | Fr. Guiana | 0.34 |
| 30214 | NED | Trinidad | 0.62 | Fr. Guiana | 0.38 |
| 35958 | NED | Trinidad | 0.61 | Fr. Guiana | 0.36 |
| 30173 | NED | Trinidad | 0.61 | Fr. Guiana | 0.39 |
| 46565 | NED | Trinidad | 0.60 | Fr. Guiana | 0.39 |
| 46562 | NED | Trinidad | 0.60 | Costa Rica | 0.22 |
| 30159 | NED | Trinidad | 0.59 | St. Croix | 0.21 |
| 30180 | NED | Trinidad | 0.59 | Fr. Guiana | 0.40 |
| 30198 | NED | Trinidad | 0.59 | Fr. Guiana | 0.37 |
| 35954 | NED | Trinidad | 0.59 | Costa Rica | 0.28 |
| 30178 | NED | Trinidad | 0.59 | Fr. Guiana | 0.40 |
| 30205 | NED | Trinidad | 0.59 | Fr. Guiana | 0.38 |
| 30390 | NED | Trinidad | 0.58 | Fr. Guiana | 0.42 |
| 35955 | NED | Trinidad | 0.58 | Costa Rica | 0.21 |
| 30224 | NED | Trinidad | 0.57 | Costa Rica | 0.33 |
| 30191 | NED | Trinidad | 0.57 | Fr. Guiana | 0.42 |

**Table S4**. Continued.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Turtle ID** | **Zone** | **Source 1** | **Probability 1** | **Source 2** | **Probability 2** |
| 35942 | NED | Trinidad | 0.56 | Fr. Guiana | 0.42 |
| 35945 | NED | Trinidad | 0.56 | Costa Rica | 0.39 |
| 30203 | NED | Trinidad | 0.56 | Fr. Guiana | 0.38 |
| 46561 | NED | Trinidad | 0.56 | Fr. Guiana | 0.44 |
| 30387 | NED | Trinidad | 0.55 | Fr. Guiana | 0.45 |
| 78931 | NED | Trinidad | 0.54 | Fr. Guiana | 0.45 |
| 46564 | NED | Trinidad | 0.54 | Fr. Guiana | 0.46 |
| 30166 | NED | Trinidad | 0.52 | Fr. Guiana | 0.47 |
| 30207 | NED | Trinidad | 0.52 | St. Croix | 0.22 |
| 35921 | NED | Trinidad | 0.52 | Fr. Guiana | 0.48 |
| 30194 | NED | Trinidad | 0.50 | Fr. Guiana | 0.50 |
| 30356 | NED | Trinidad | 0.50 | Fr. Guiana | 0.47 |
| 30175 | NED | Trinidad | 0.47 | Fr. Guiana | 0.38 |
| 46563 | NED | Trinidad | 0.43 | Costa Rica | 0.20 |
| 35940 | NED | Trinidad | 0.43 | Costa Rica | 0.21 |
| 30156 | NED | Trinidad | 0.39 | Costa Rica | 0.35 |
| 30225 | NED | Trinidad | 0.33 | Costa Rica | 0.33 |

Literature Cited

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