**Table C 1: Overall models runs for Analysis in Presence software for Occupancy of wolf**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **AIC** | **deltaAIC** | **AIC wgt** | **Model Likelihood** | **no.Par.** | **-2\*Log Like** |
| psi(NDVI.),p(.) | 95.44 | 0 | 0.2567 | 1 | 3 | 89.44 |
| psi(NDVI+Roads.),p(.) | 95.86 | 0.42 | 0.208 | 0.8106 | 4 | 87.86 |
| psi(NDVI+Slope.),p(.) | 96.11 | 0.67 | 0.1836 | 0.7153 | 4 | 88.11 |
| psi(Ruggedness.),p(.) | 97.43 | 1.99 | 0.0949 | 0.3697 | 3 | 91.43 |
| psi(Elevation.),p(.) | 97.47 | 2.03 | 0.093 | 0.3624 | 3 | 91.47 |
| psi(Slope.),p(.) | 97.69 | 2.25 | 0.0833 | 0.3247 | 3 | 91.69 |
| psi(Roads.),p(.) | 97.76 | 2.32 | 0.0805 | 0.3135 | 3 | 91.76 |
| psi(NDVI.),p(Temp\_Max.) | 119.92 | 24.48 | 0 | 0 | 3 | 113.92 |
| psi(.),p(Temp\_Max.) | 120 | 24.56 | 0 | 0 | 2 | 116 |
| psi(Roads.),p(Temp\_Max.) | 121.44 | 26 | 0 | 0 | 3 | 115.44 |
| psi(Ruggedness.),p(Temp\_Max.) | 121.49 | 26.05 | 0 | 0 | 3 | 115.49 |
| psi(Slope.),p(Temp\_Max.) | 121.67 | 26.23 | 0 | 0 | 3 | 115.67 |
| psi(NDVI.),p(Moon\_Phase.) | 123.23 | 27.79 | 0 | 0 | 3 | 117.23 |
| psi(.),p(Moon\_Phase.) | 123.27 | 27.83 | 0 | 0 | 2 | 119.27 |
| psi(Road.),p(Moon\_Phase.) | 124.69 | 29.25 | 0 | 0 | 3 | 118.69 |
| psi(Slope.),p(Moon\_Phase.) | 124.93 | 29.49 | 0 | 0 | 3 | 118.93 |