Table S6. Probability of lions observed scavenging during the daytime. Scavenging was more common during the brightest phase of the moon and in the Serengeti plains and woodlands, but less common during the wet season in the woodlands.

SCAVENGING
Call: glm(formula = count ~ luminosity + habitat*season, family = Poisson)

Deviance Residuals:
  Min       1Q     Median       3Q      Max
-2.8081  -0.9708  -0.2116    0.6237  2.5691

Coefficients:
                           Estimate   Std. Error   z value Pr(>|z|)
(Intercept)               -0.5140      0.2871     -1.79   7.34e-02
Luminosity               0.8148       0.1763      4.62   3.83e-06
PlainsHabitat            1.1896       0.3052      3.89   9.72e-05
WoodsHabitat             1.7304       0.2900      5.96   2.41e-09
WetSeason                 0.6931       0.3273      2.11   1.58e-01
Plains:WetSeason          -0.3171      0.3792     -0.83   0.403034
Woods:WetSeason           -1.3490      0.3797     -3.55   0.000381

(Dispersion parameter for Poisson family taken to be 1)
Null deviance: 197.64 on 89 degrees of freedom
Residual deviance: 108.34 on 83 degrees of freedom
AIC: 352.89
Number of Fisher Scoring iterations: 5

Analysis of Deviance Table
Model 1: count ~ habitat * season
Model 2: count ~ luminosity * habitat * season

|               | Resid. Df | Resid. Dev | Df | Deviance | P(>|\chi^2|) |
|---------------|-----------|------------|----|----------|------------|
| w/o luminosity| 84        | 130.347    |    |          |            |
| w/  luminosity| 83        | 108.338    | 1  | 22.009   | 2.71E-06   |