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| Table 1. Candidate models for evaluating hourly roaming distances (m) of livestock protection dogs in Montana, 2012-2014. Dog ID included as a random effect in all models. |
| Model 1 Null model  Model 2 Wolves & Grizzliesa + Season + Sex + Time2b  Model 3 Wolves & Grizzlies + Seasonc + Sex  Model 4 Wolves & Grizzlies + Season  Model 5 Wolves & Grizzlies + Sex + Time2  Model 6 Wolves & Grizzlies + Sex  Model 7 Wolves & Grizzlies + Time2  Model 8 Season + Sex + Time2  Model 9 Season + Sex + Time2  Model 10 Season + Time2  Model 11 Season  Model 12 Wolves & Grizzlies  Model 13 Sex  Model 14 Time2  Model 15 Sex + Season × Time2  Model 16 Wolves & Grizzlies + Season × Time2  Model 17 Season × Time2 |
| |  | | --- | | a Wolves & Grizzlies = high or low densities of wolves and/or grizzly bears | | b Time2 = quadratic effect of hour of the day | | c Season = summer or fall | |