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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 + Time2bModel 3 Wolves & Grizzlies + Seasonc + SexModel 4 Wolves & Grizzlies + SeasonModel 5 Wolves & Grizzlies + Sex + Time2Model 6 Wolves & Grizzlies + SexModel 7 Wolves & Grizzlies + Time2Model 8 Season + Sex + Time2Model 9 Season + Sex + Time2Model 10 Season + Time2Model 11 Season Model 12 Wolves & GrizzliesModel 13 SexModel 14 Time2Model 15 Sex + Season × Time2Model 16 Wolves & Grizzlies + Season × Time2Model 17 Season × Time2 |
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| 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 |

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