Table S2: Comparison of discarded models

Model	AIC
glm(Aaefem ~ offset(lNtraps) + $Tmin_{t-4}$ + Hum_{t-4}, family = poisson)	17337
glm(Aaefem ~ offset(lNtraps) + $Tmin_{t-4}$ + $MFAI_{t-1}$, family = poisson)	11180
glm.nb(Aaefem ~ offset(lNtraps) + $Tmin_{t-4}$ + $MFAI_{t-1}$)	1737
glm.nb(Aaefem ~ offset(lNtraps) + $Tmin_{t-4}$+ Hum_{t-4})	1763
gam(Aaefem~offset(lNtraps)+s($Tmin_{t-4}$)+s(Hum_{t-4}), family=poisson)	10159
gam(Aaefem~offset(lNtraps)+s($Tmin_{t-4}$)+s($MFAI_{t-1}$), family=poisson)	4411
gam(Aaefem~offset(lNtraps)+s($Tmin_{t-4}$, Hum_{t-4}), family=nb())	1736
gam(Aaefem~offset(lNtraps)+s($Tmin_{t-4}$, $MFAI_{t-1}$), family=nb())	1692