

QPAD version 4 documentation - Species Plots

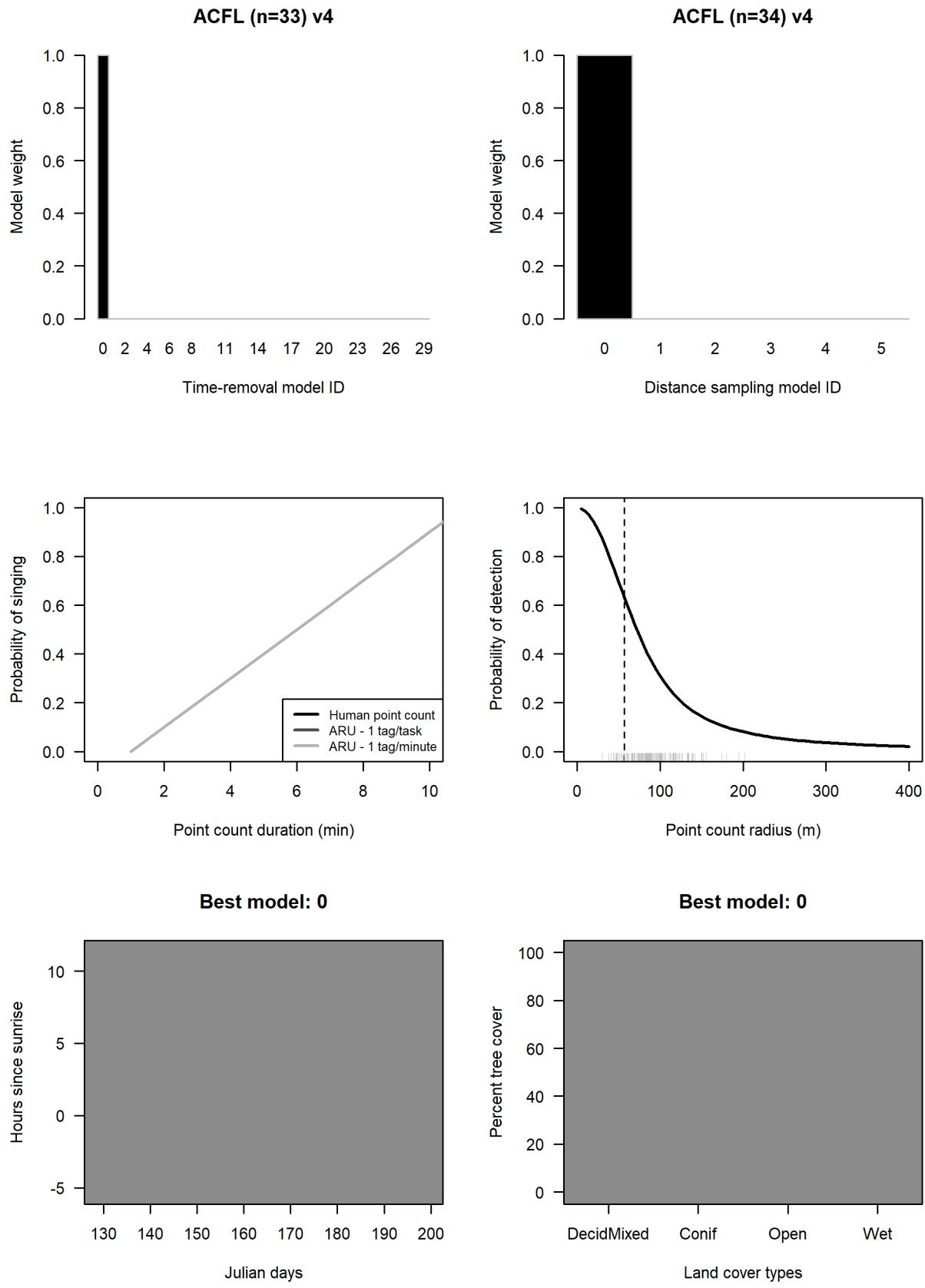
Elly Knight

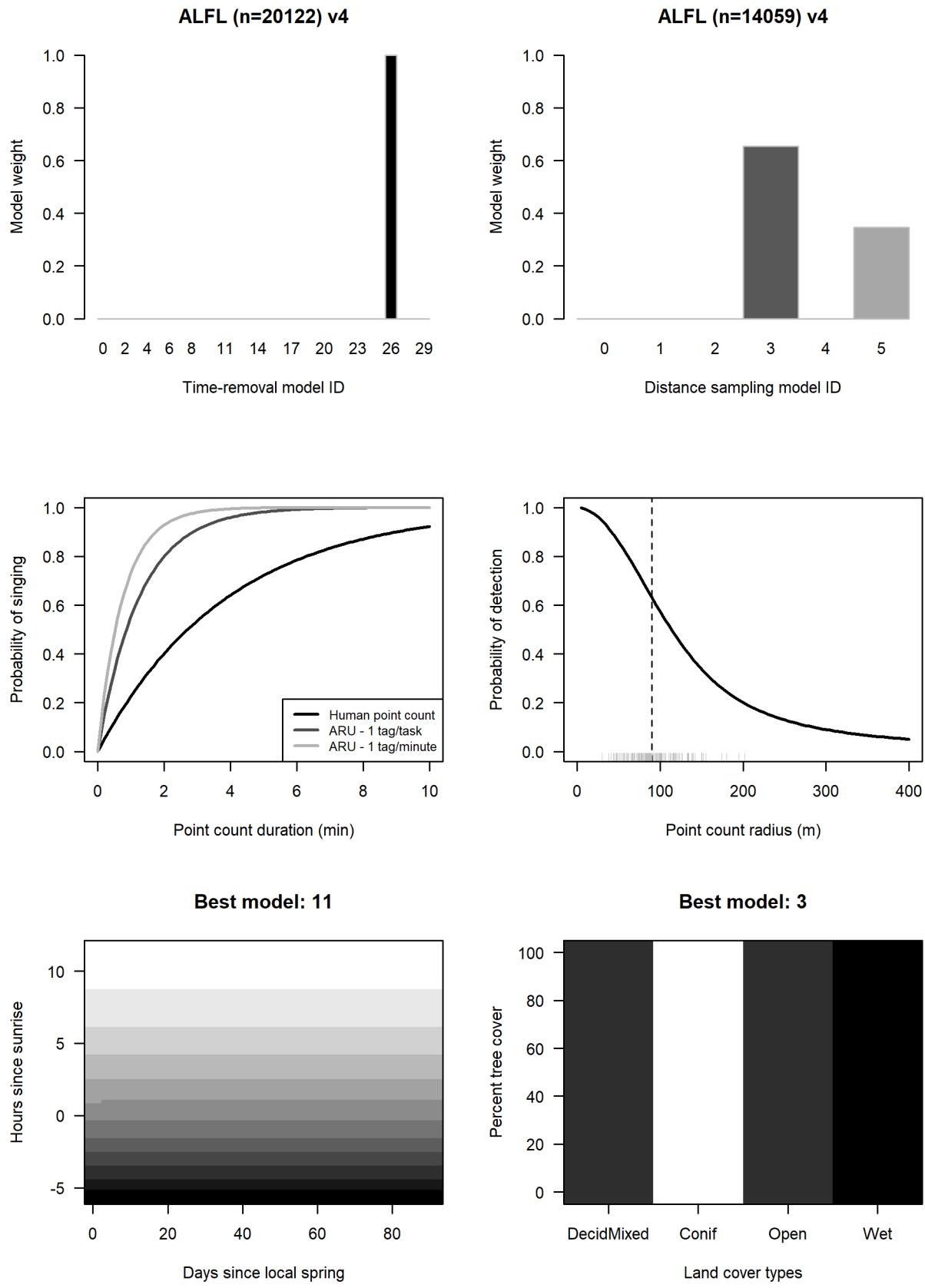
September 07, 2023

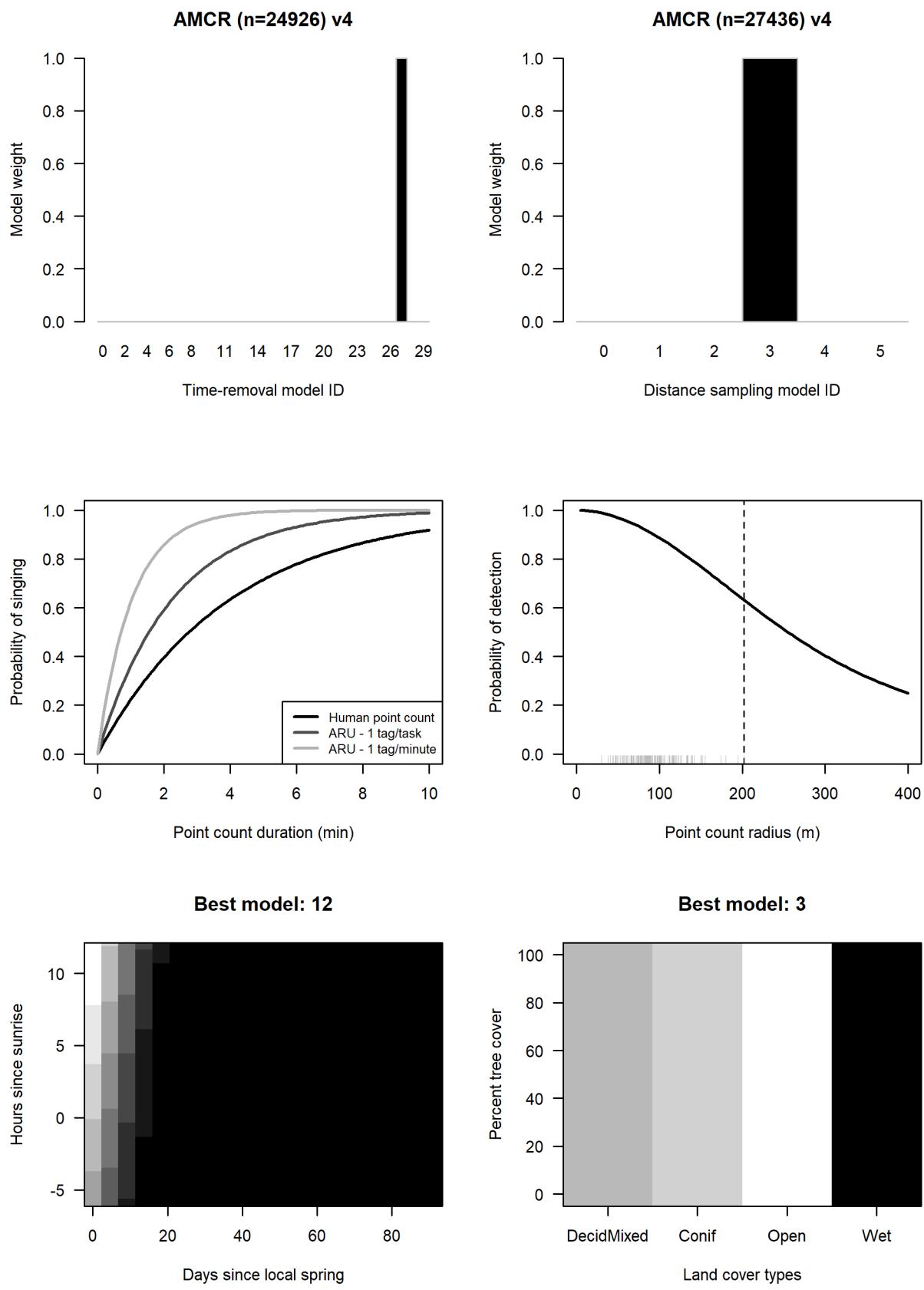
Background

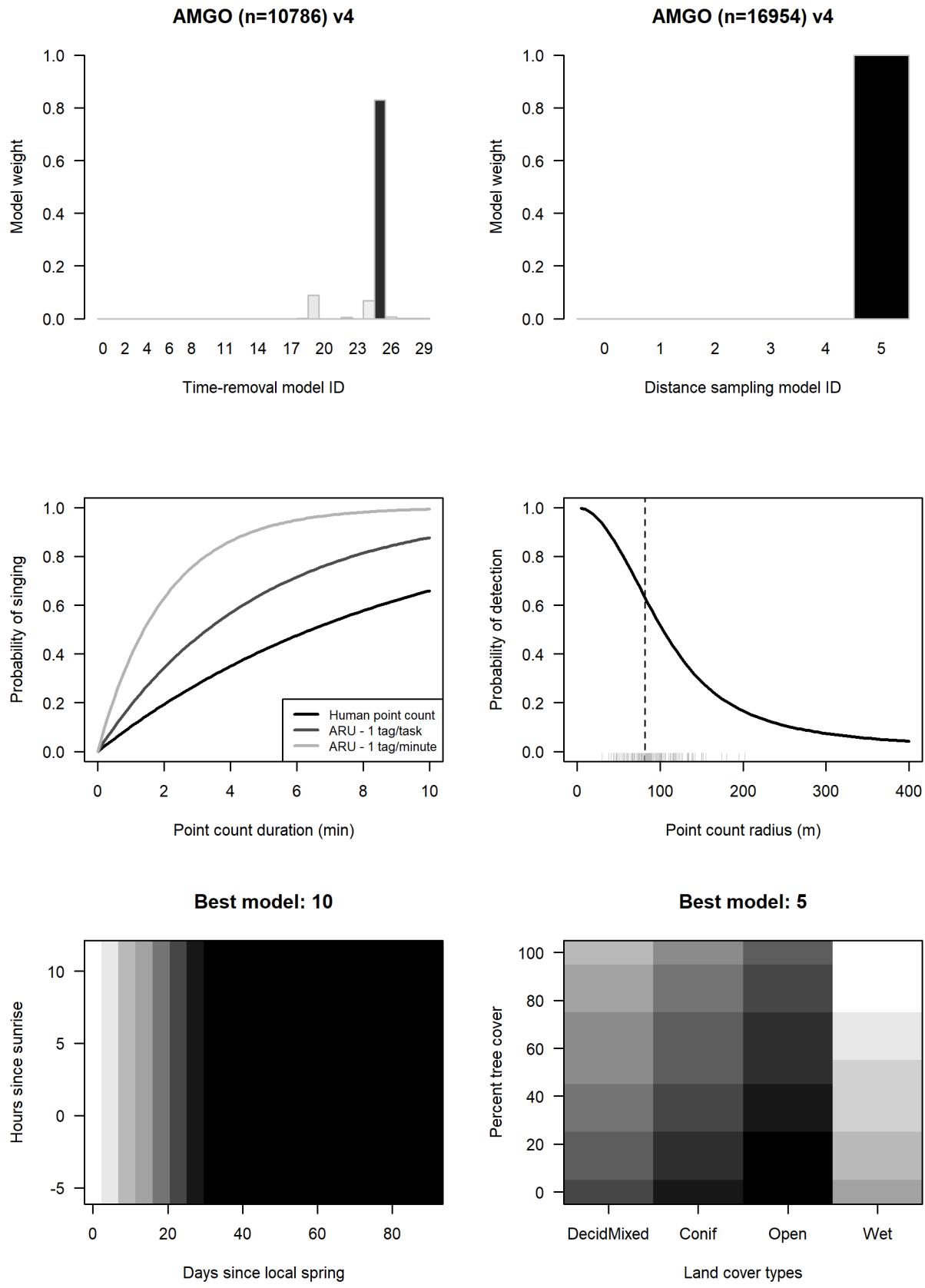
The following report contains output from the ‘plot_BAM_QPAD()’ function in the **QPAD** package and can be used to visualize the results from the time-removal and distance sampling models available in the **QPAD** package version 4.

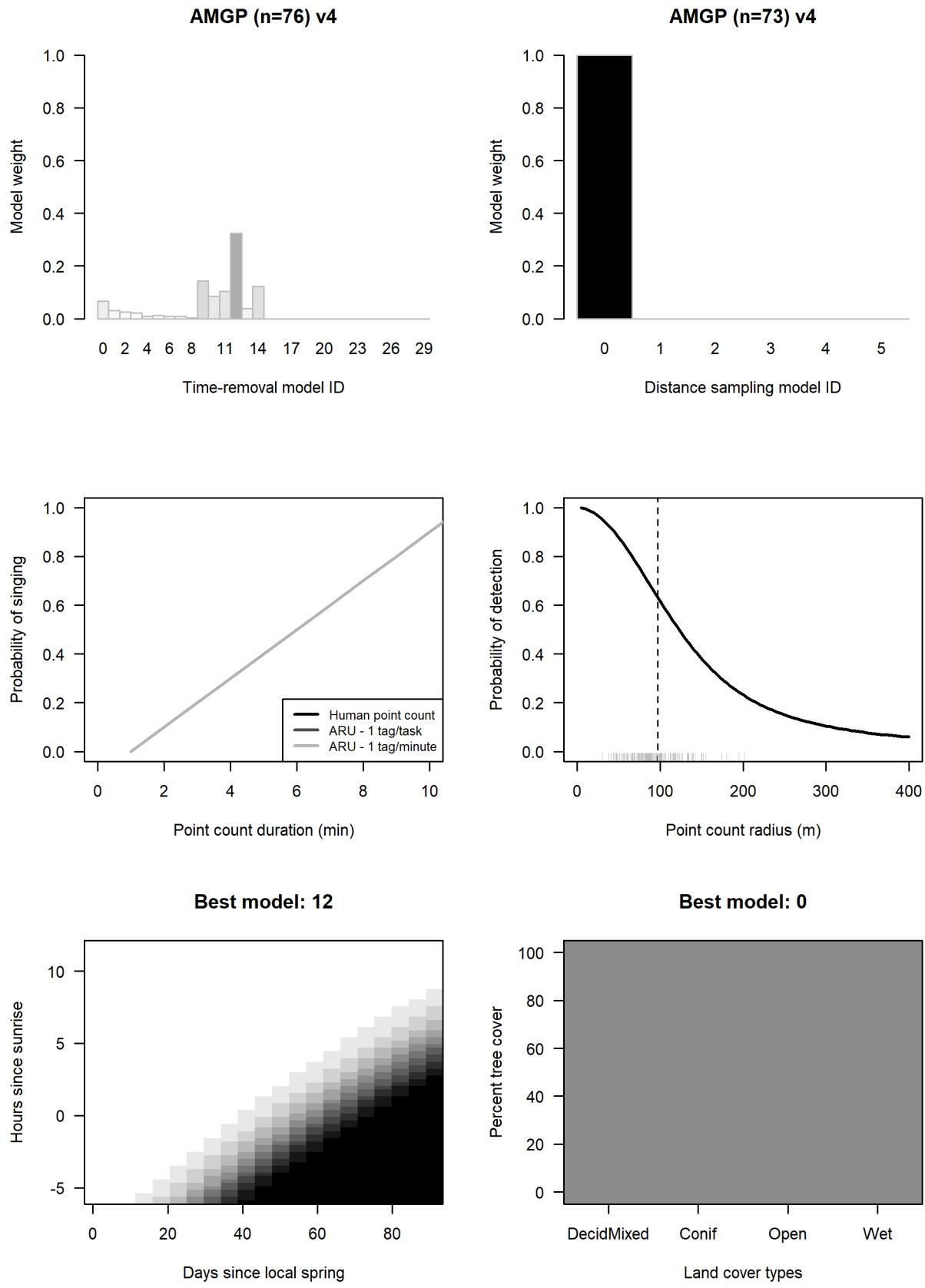
The plots show result summaries for time-removal models (left) and distance sampling (right). The top row shows model selection results for model candidates. The middle row depicts constant singing rate as a function of sampling duration (left) and constant detection distance based distance-decay function (right). Separate lines for each method are predicted for singing rate if the best supported time-removal model includes human point count vs ARU tag method. The bottom row shows the date/time relationship for probability of availability based on best supported time-removal model (left), and tree cover vs. land cover relationship based on best supported distance sampling model (right).

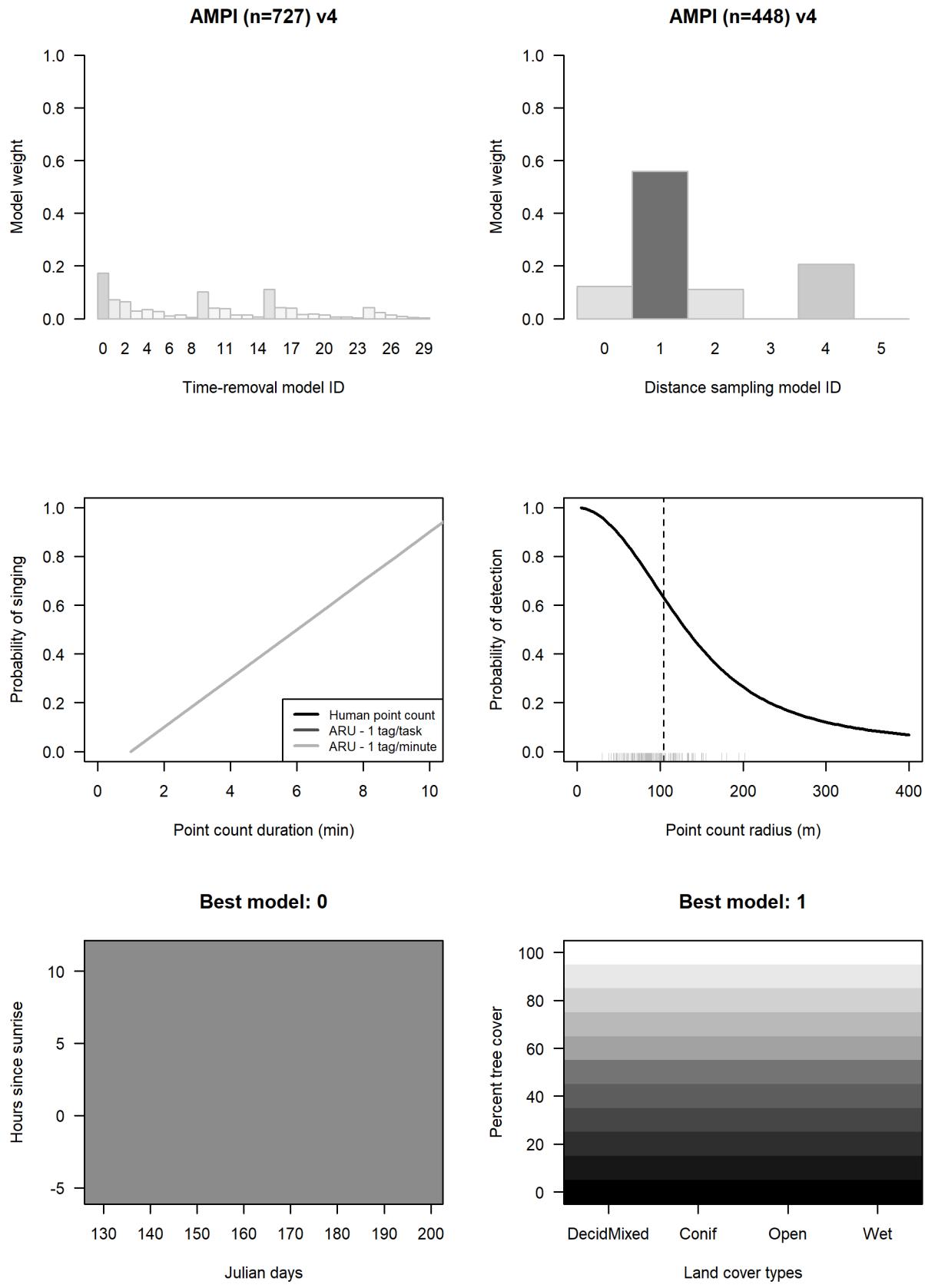


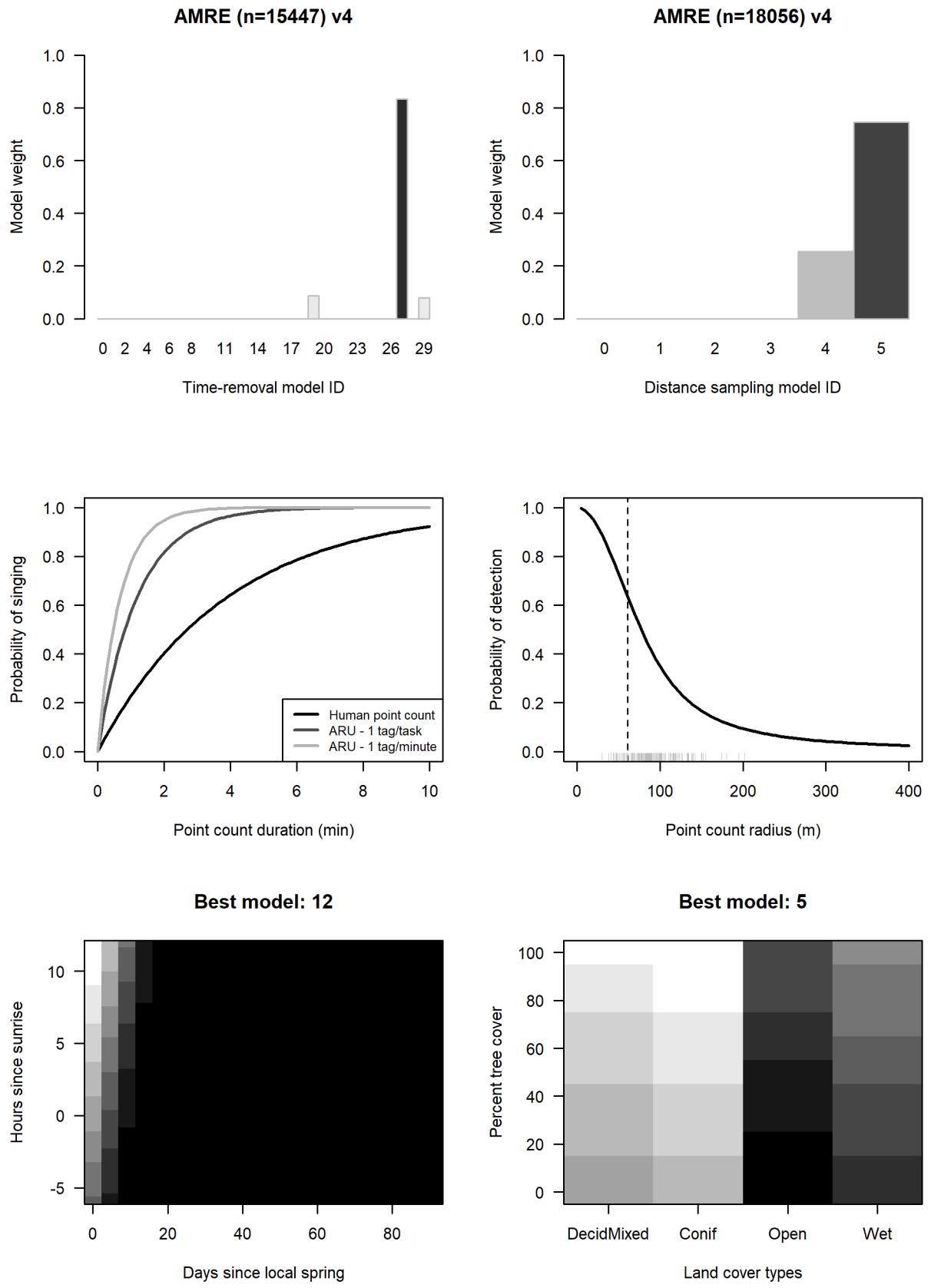


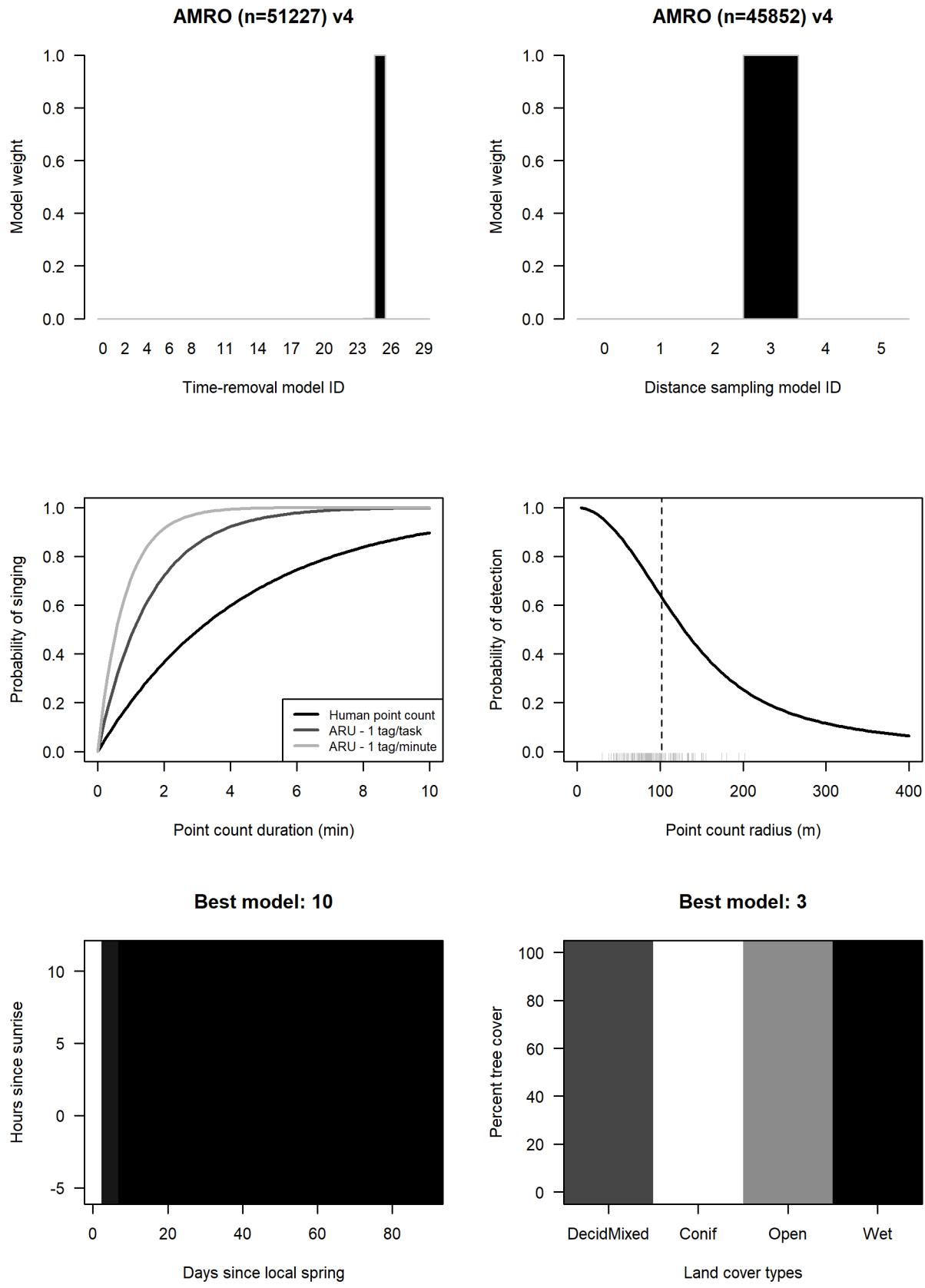




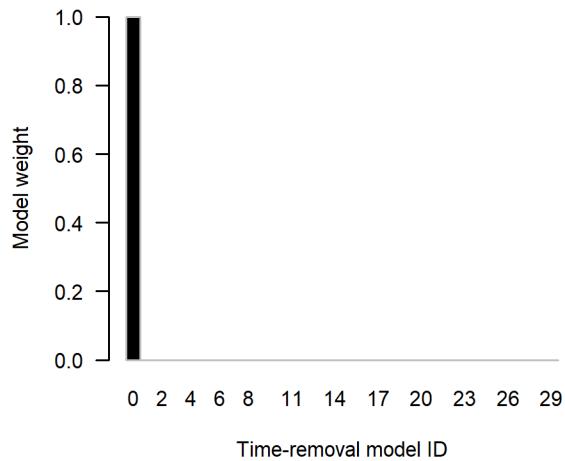




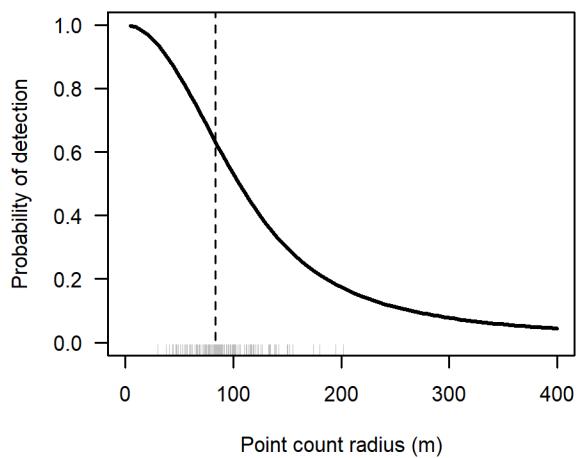
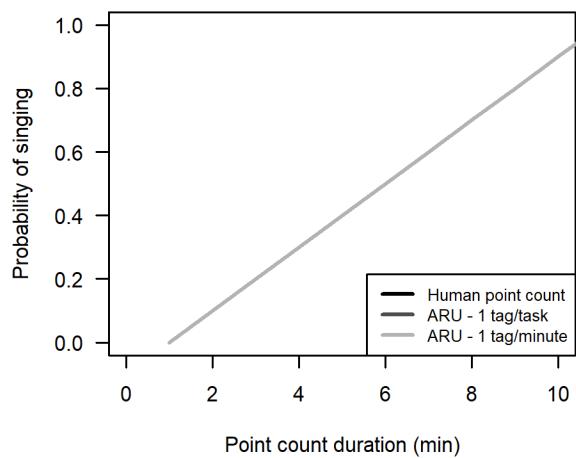
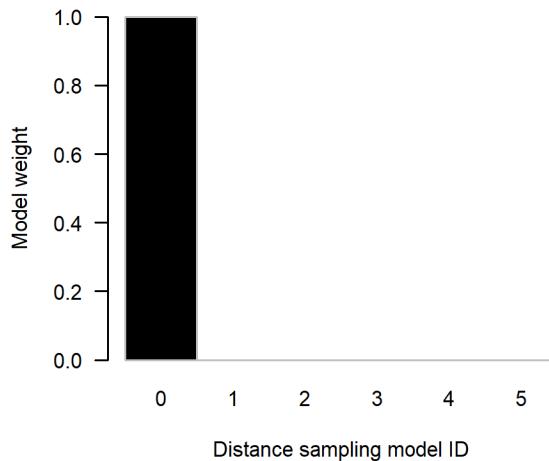




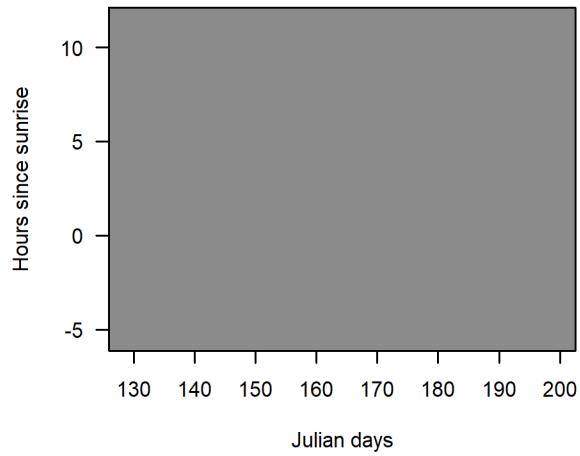
AMWO (n=34) v4



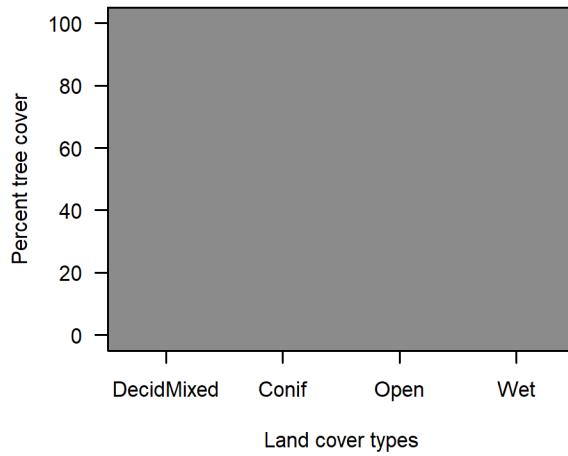
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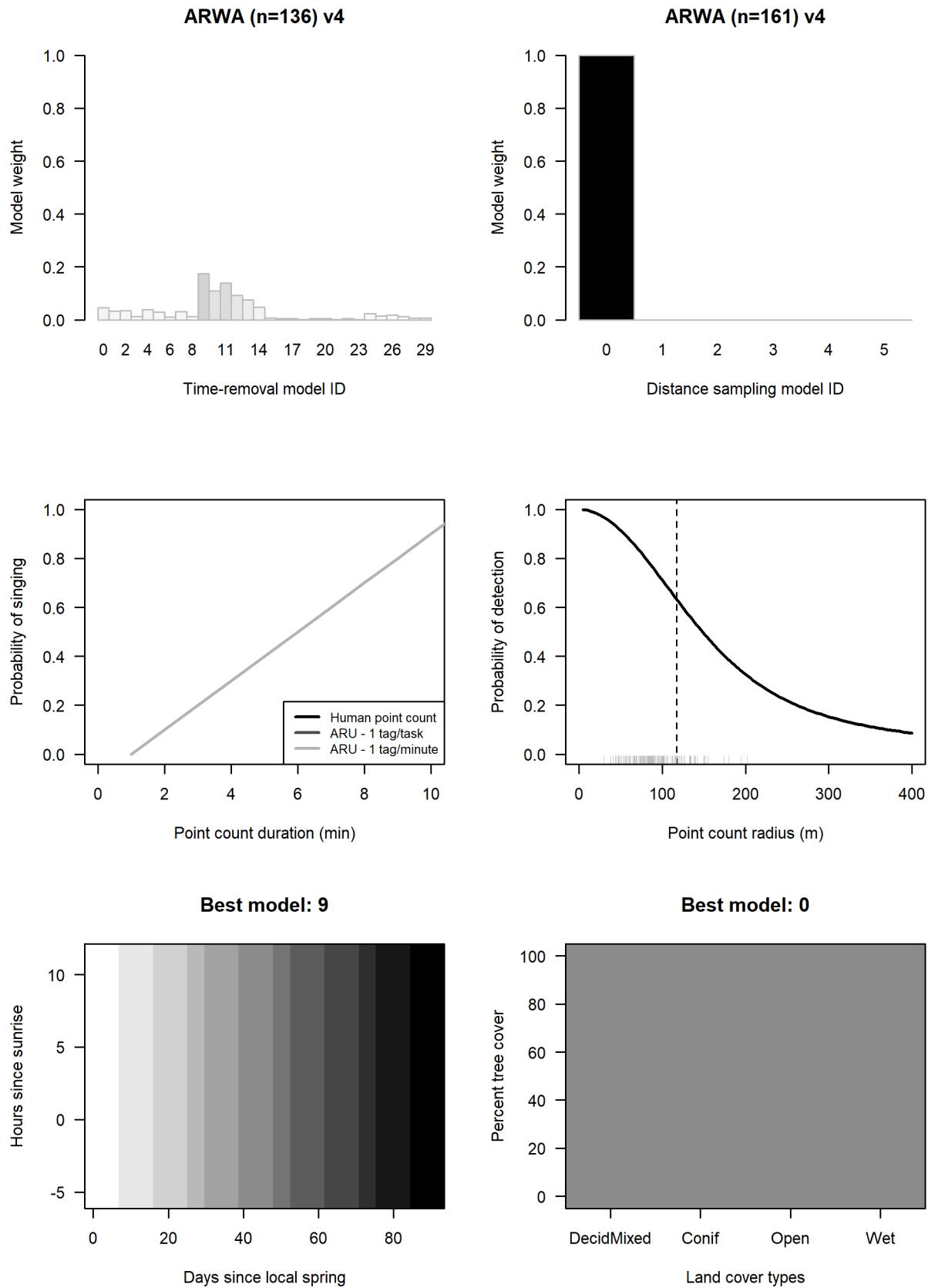


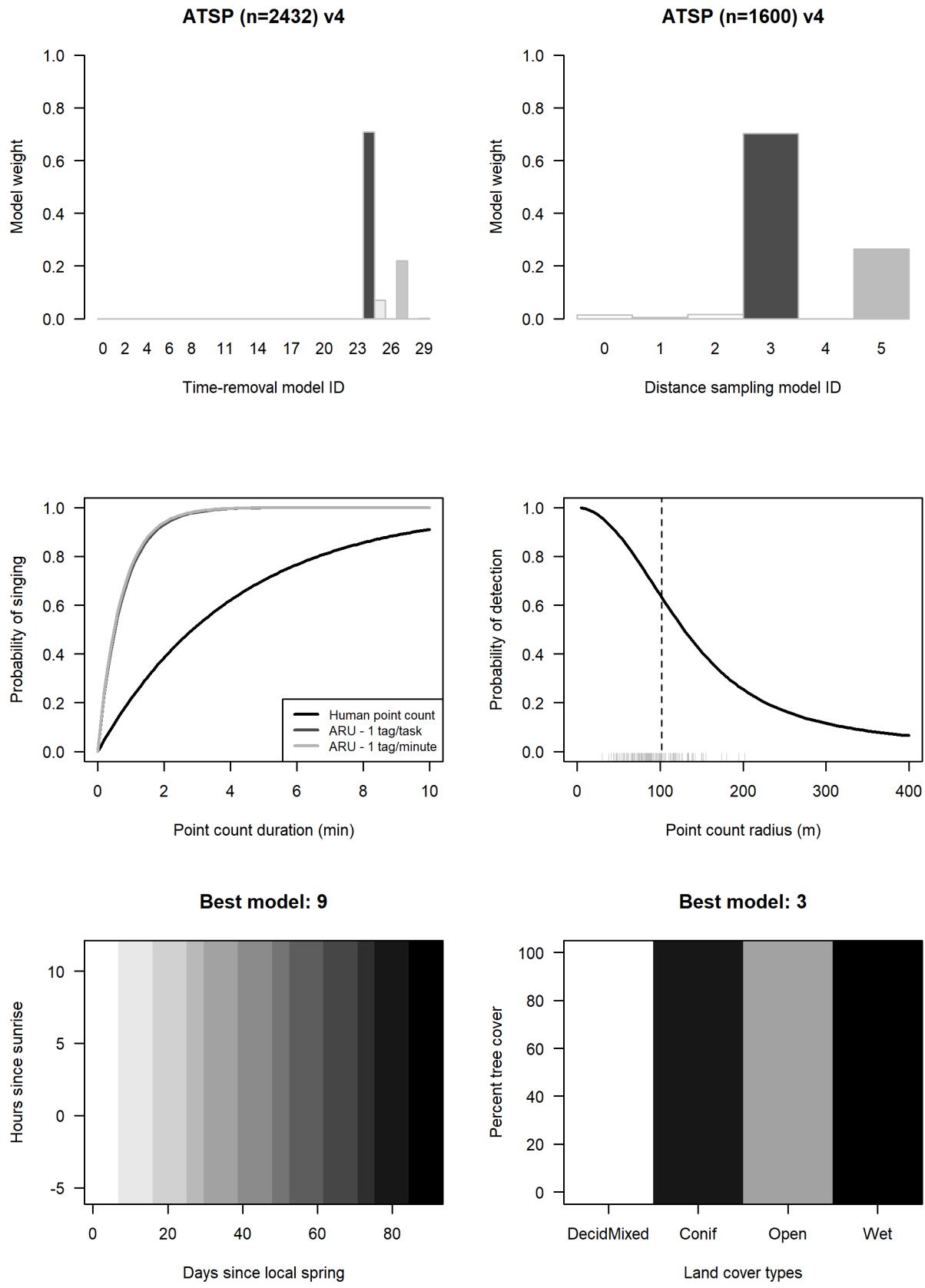
Best model: 0

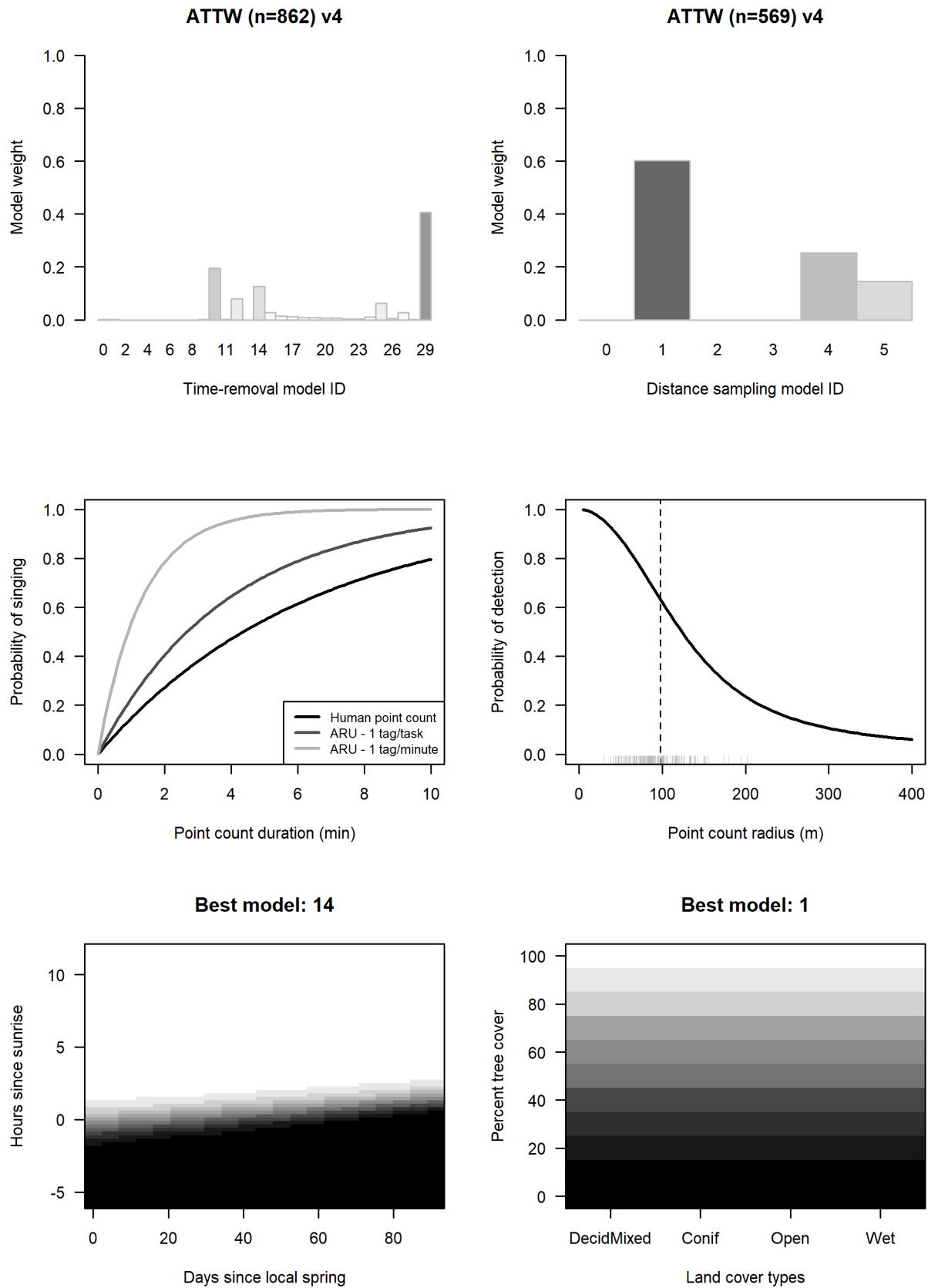


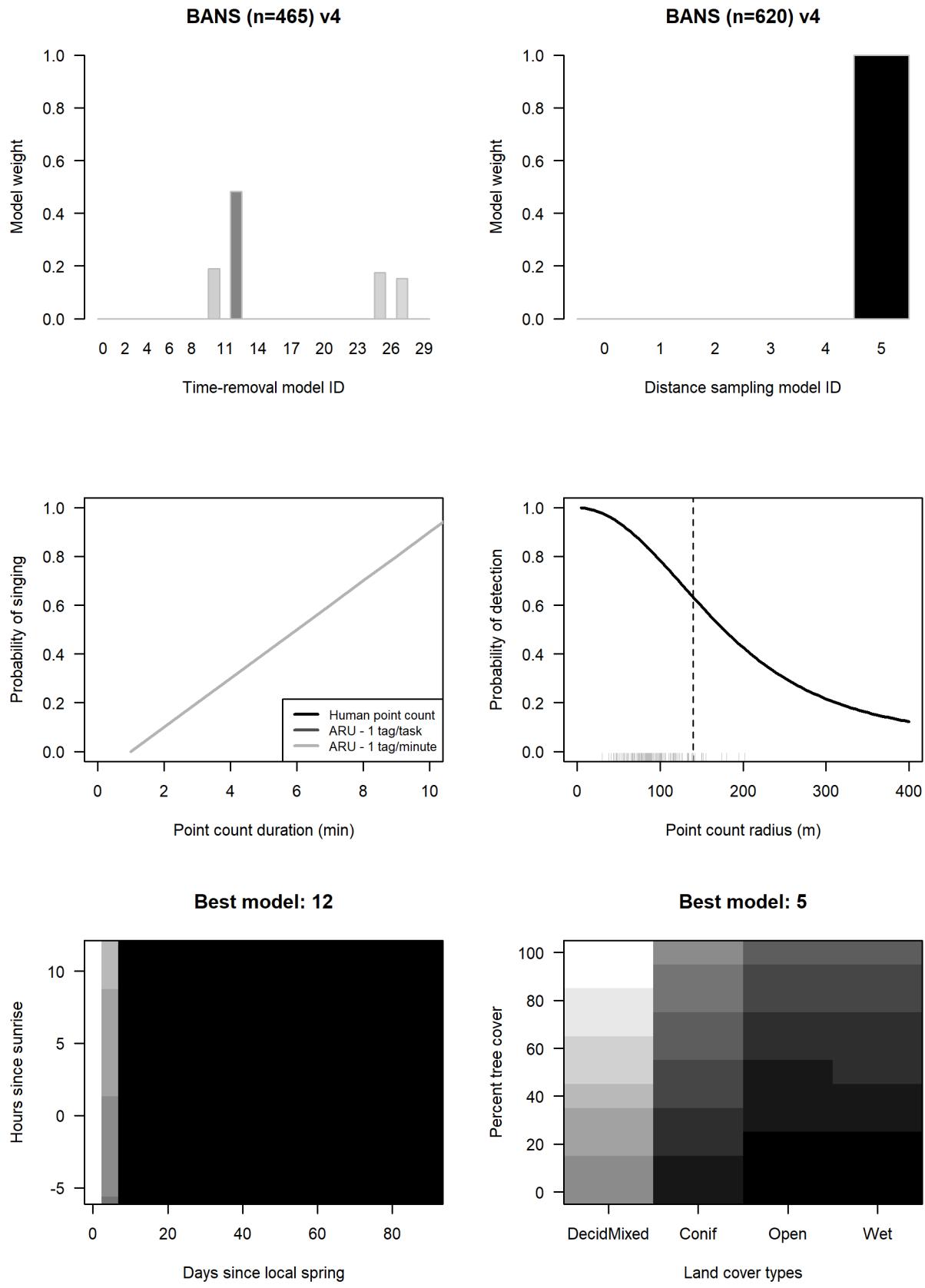
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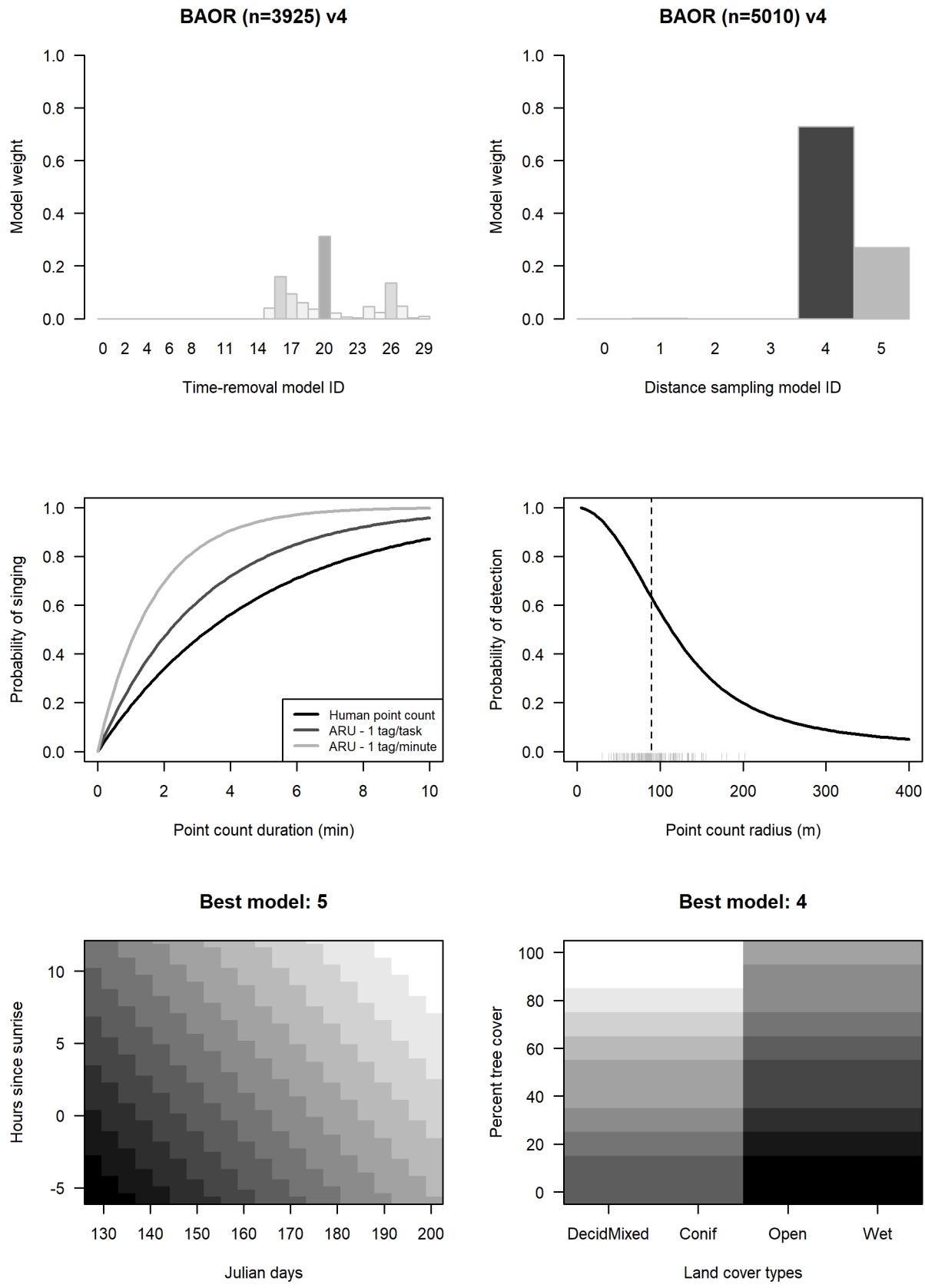


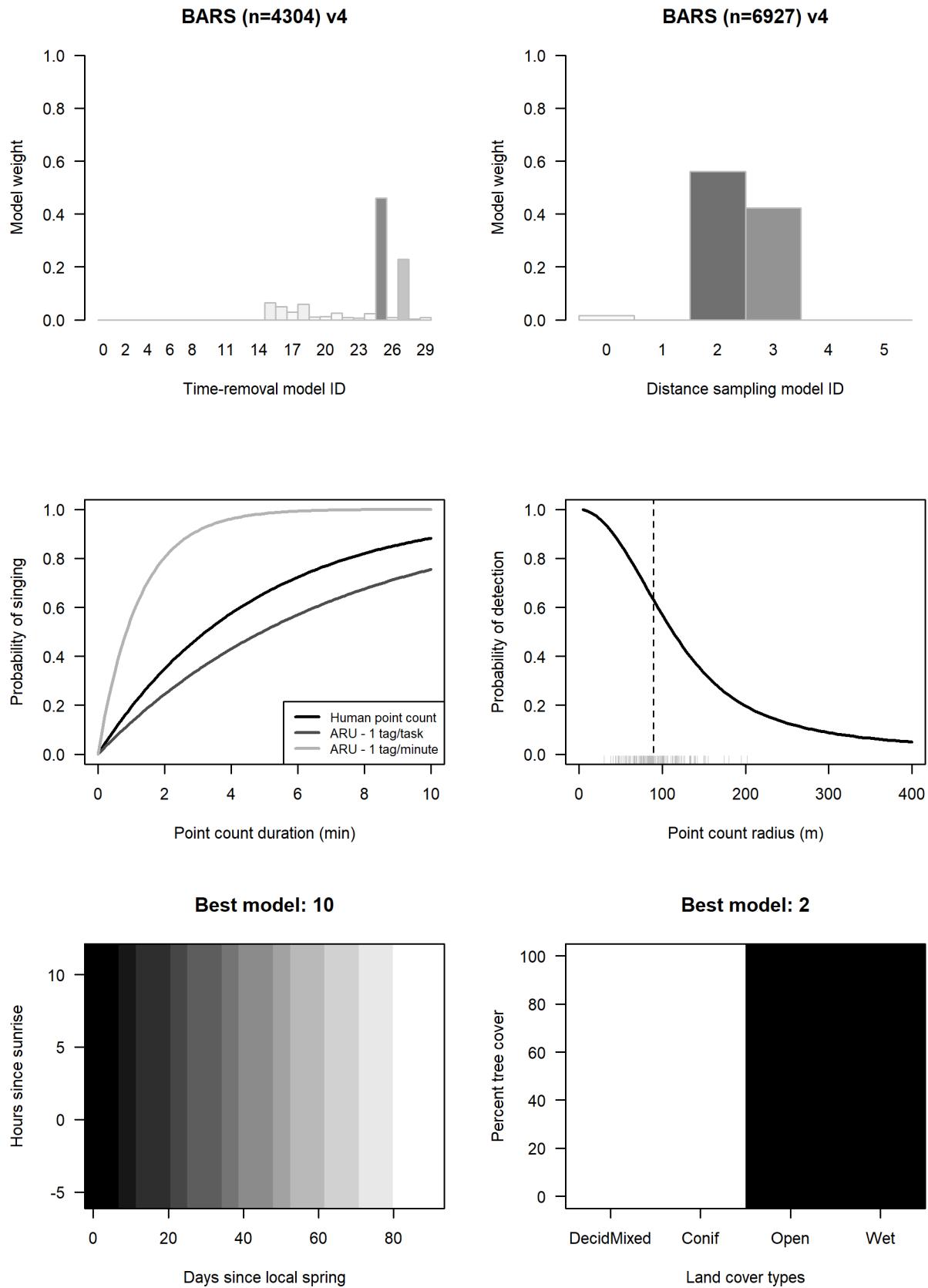


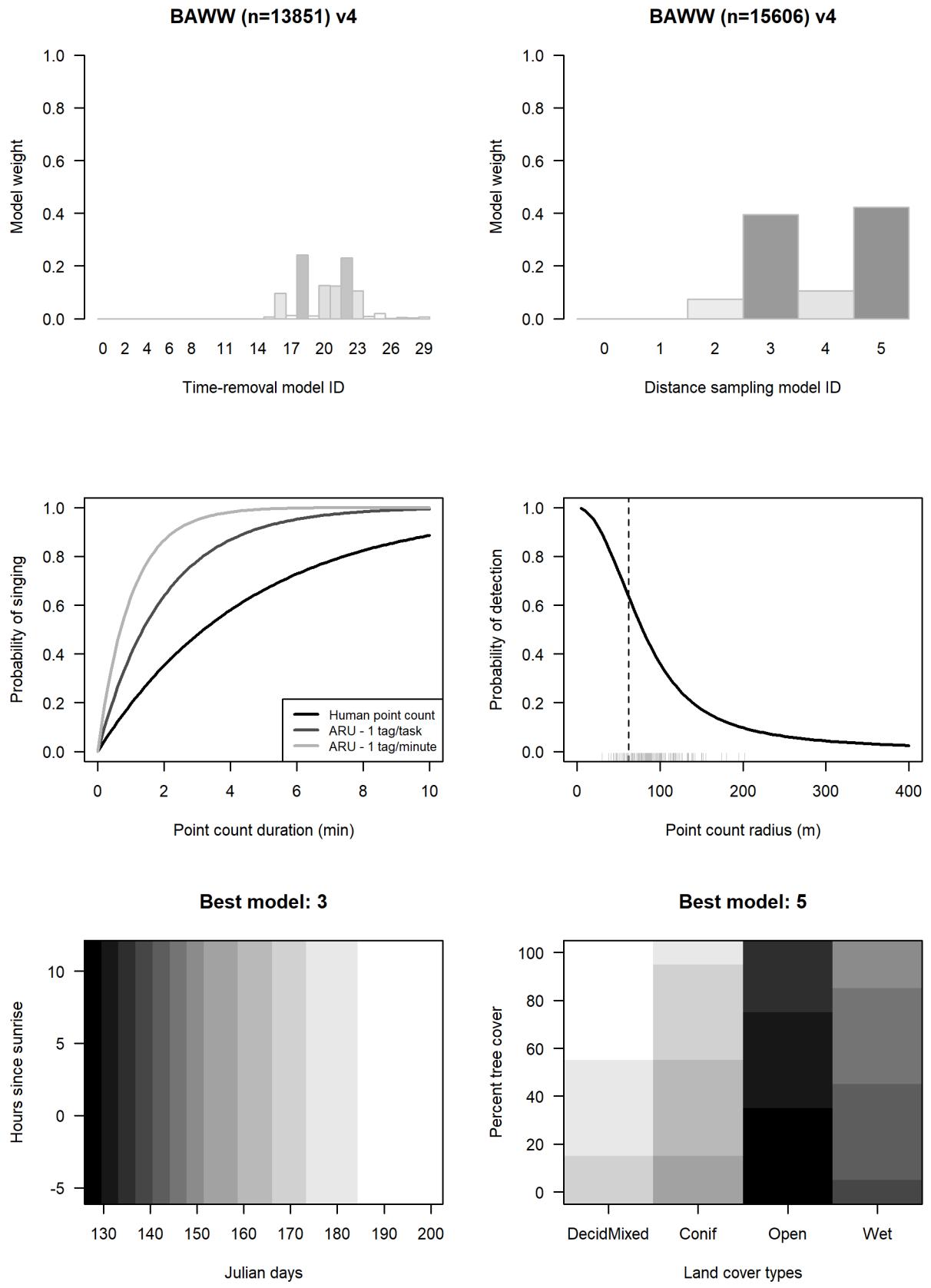


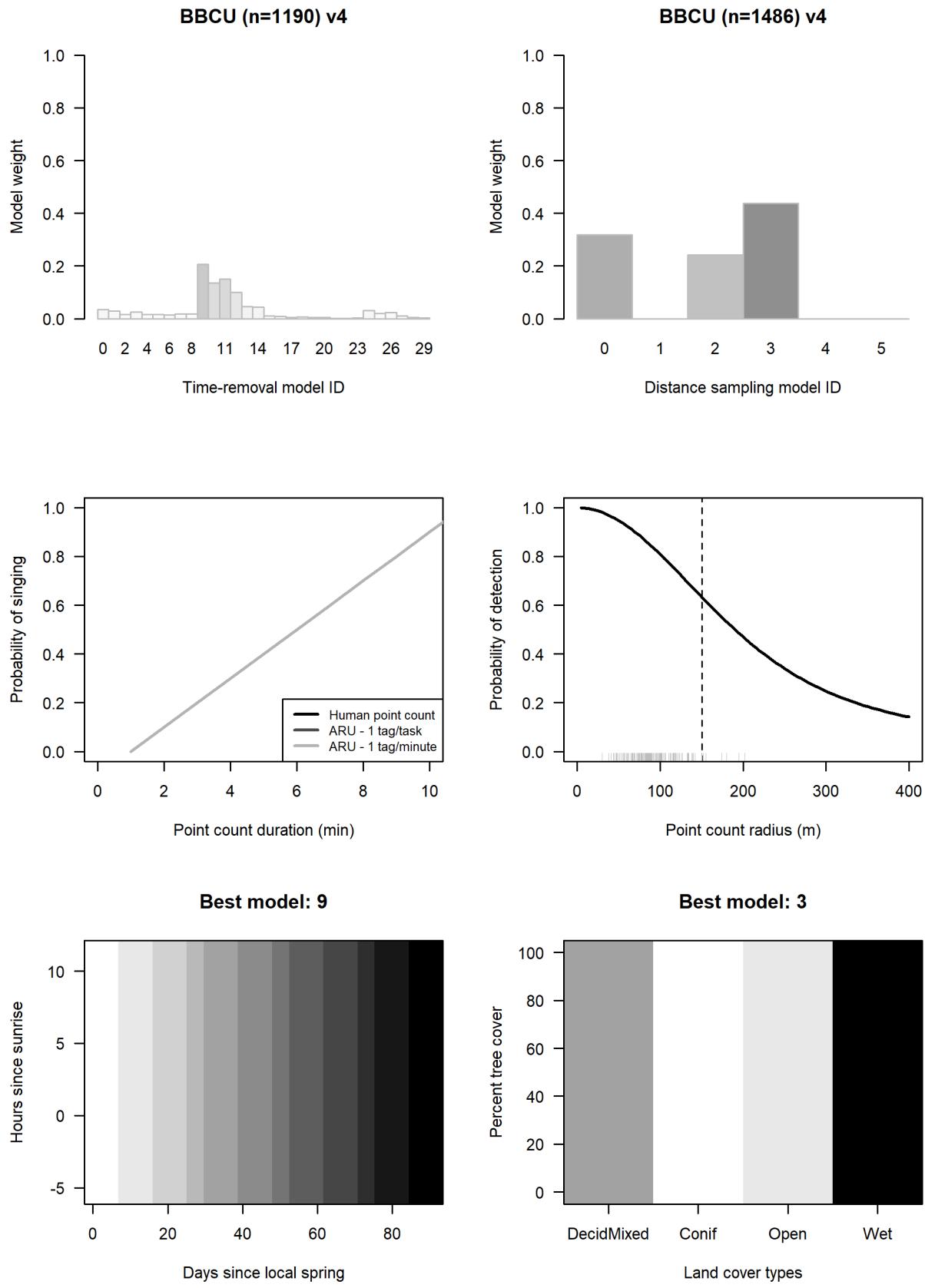


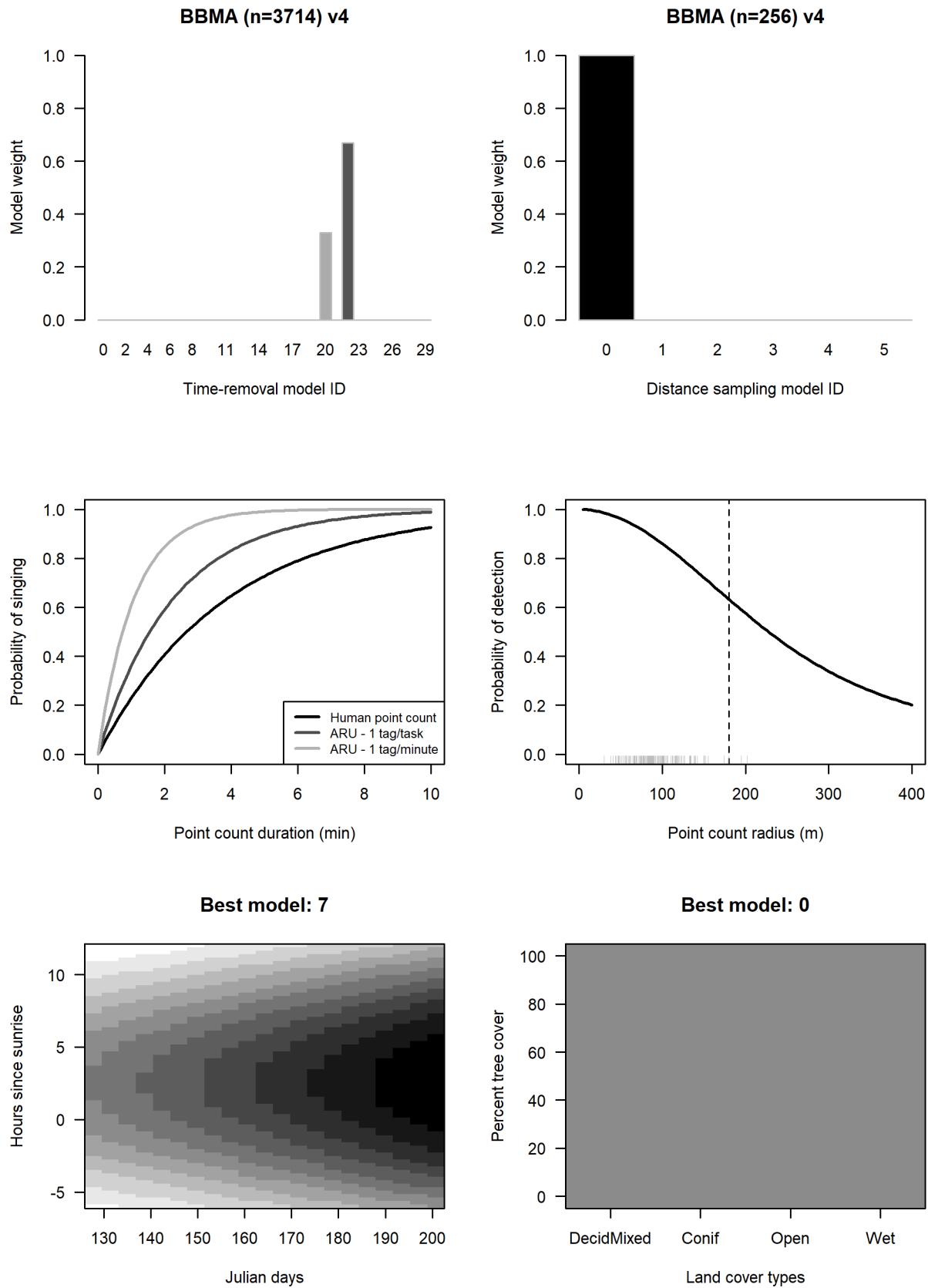


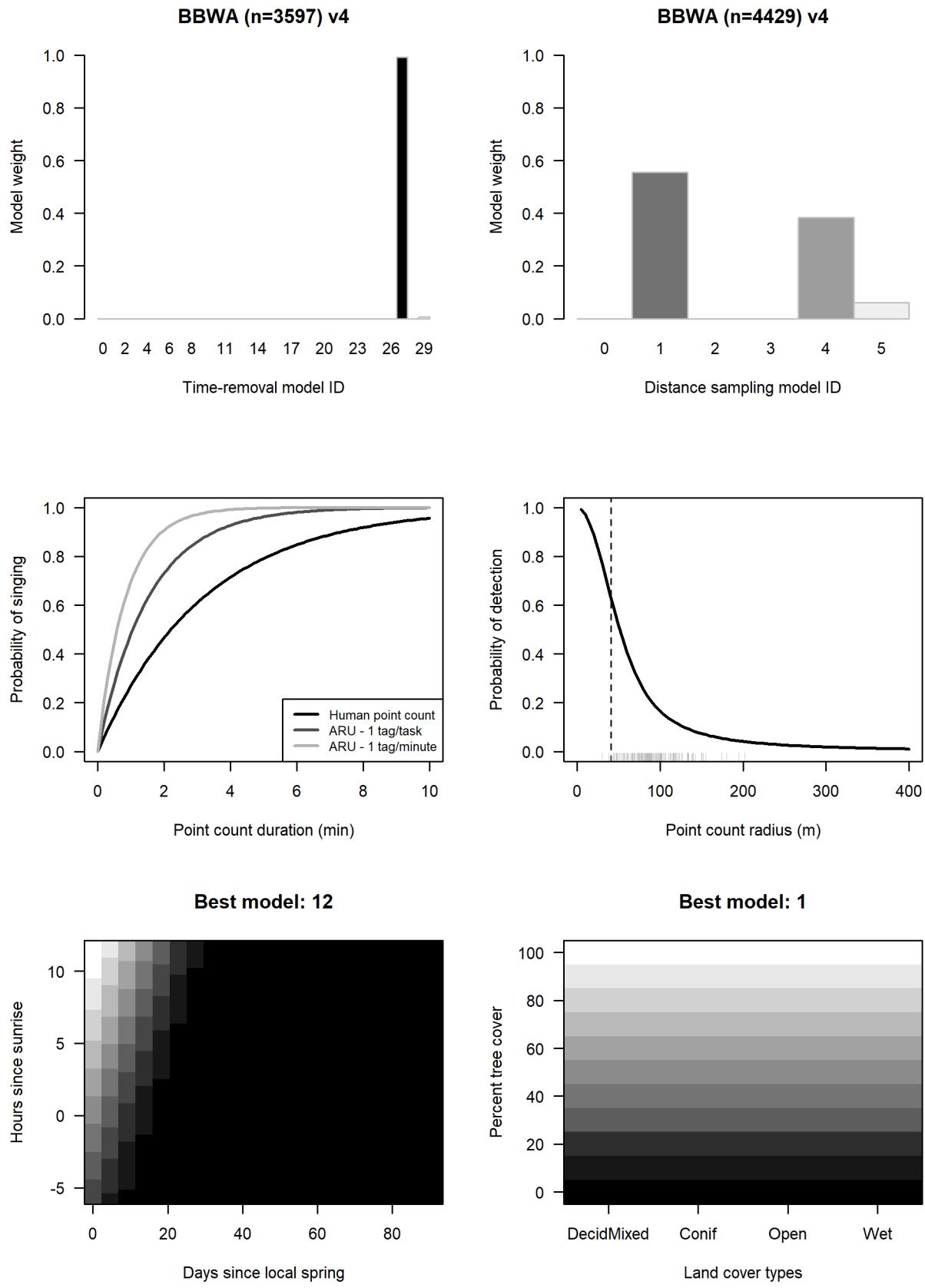


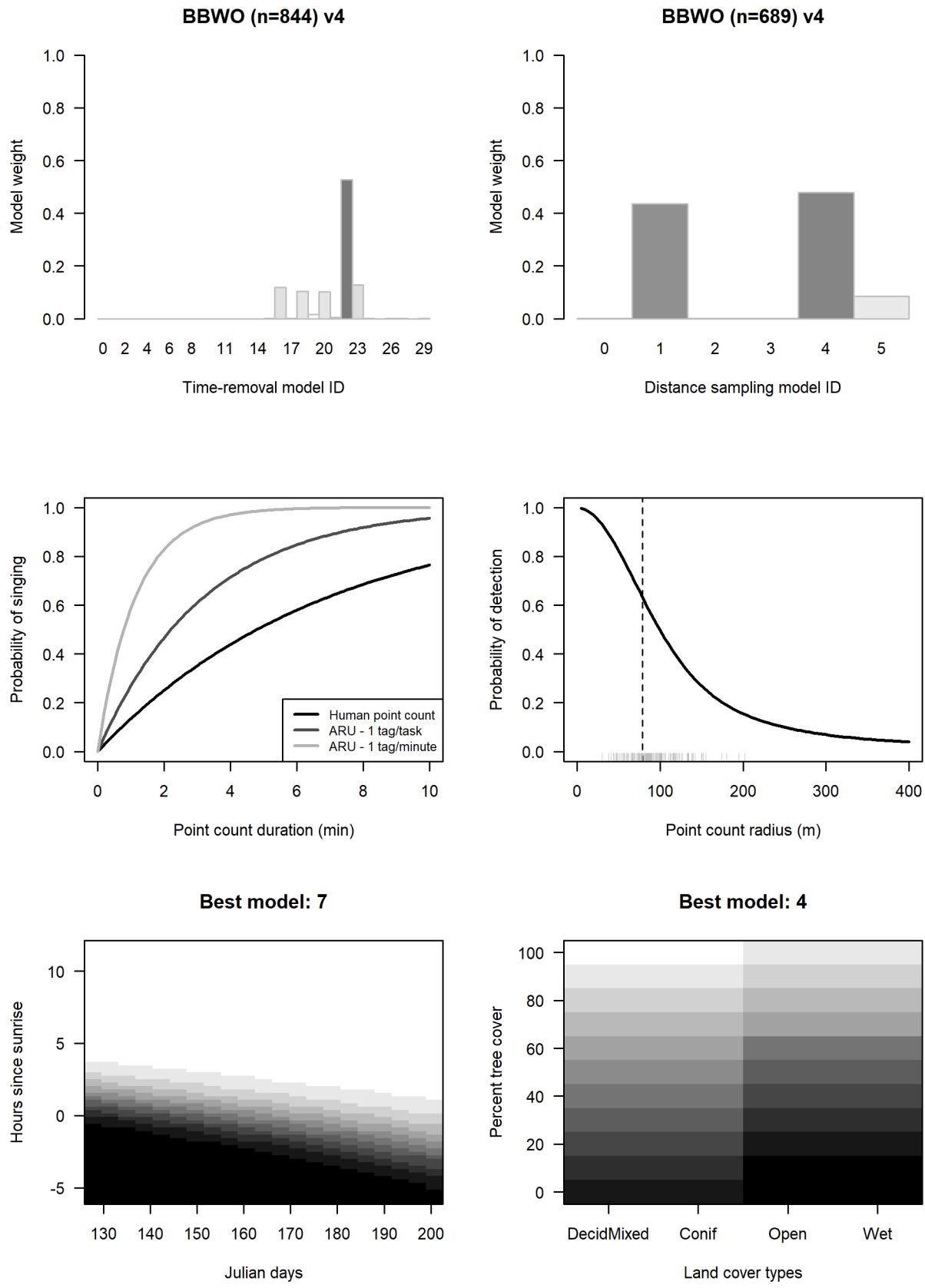


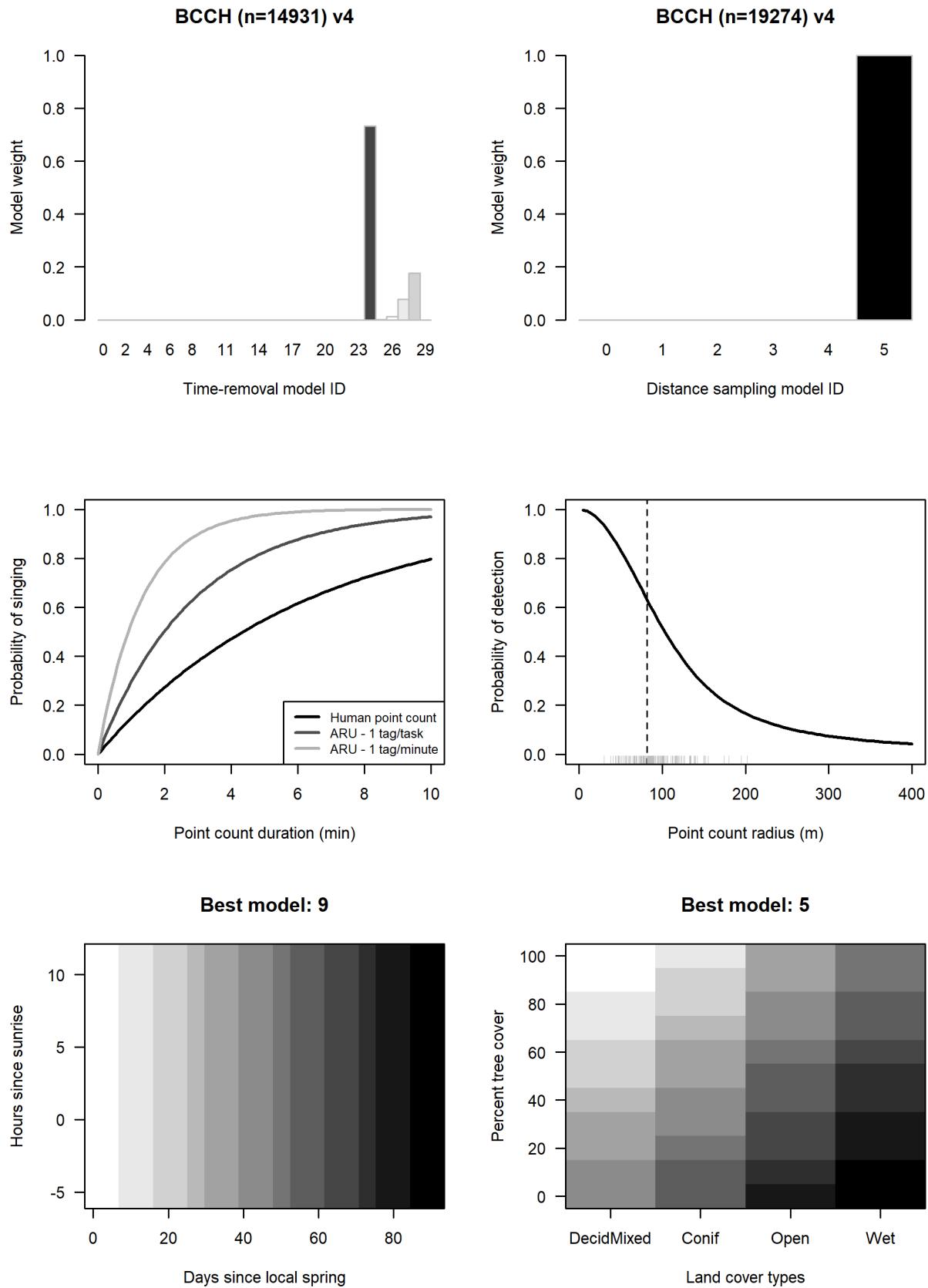


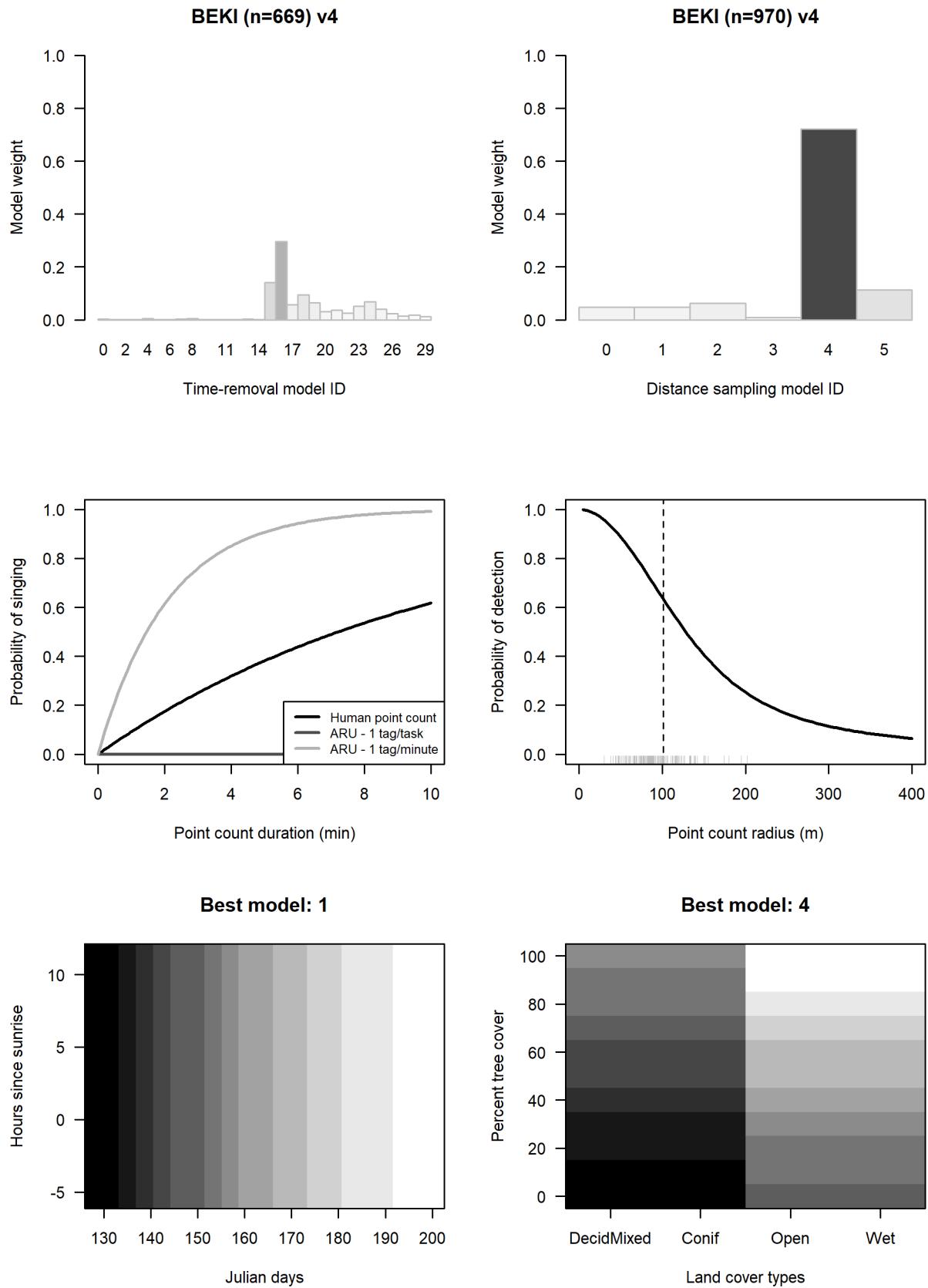




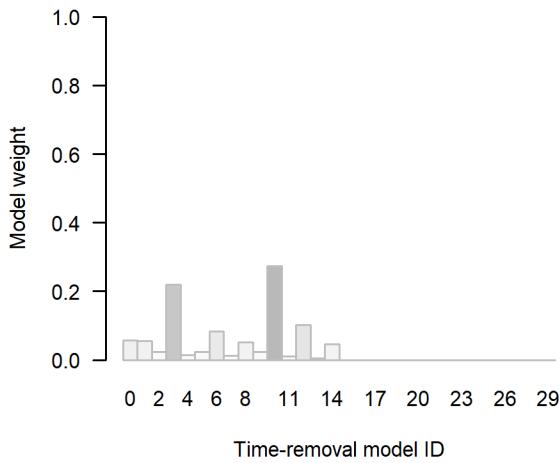




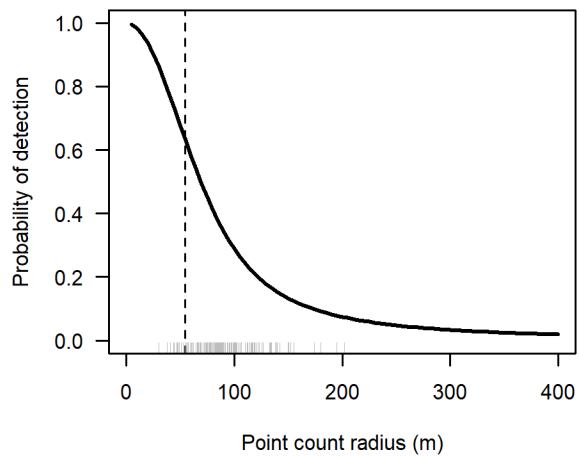
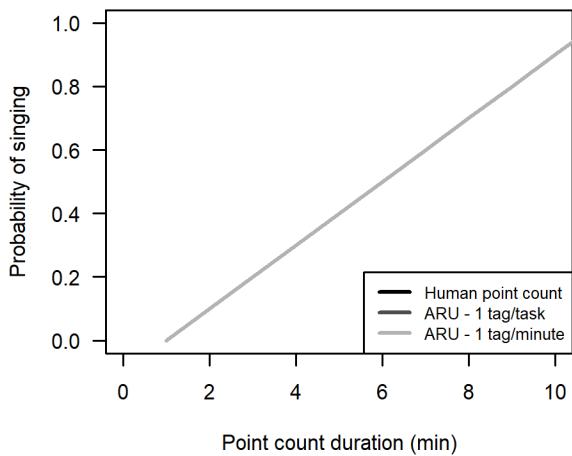
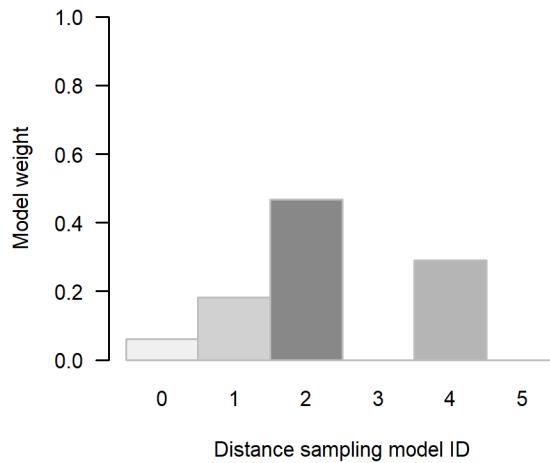




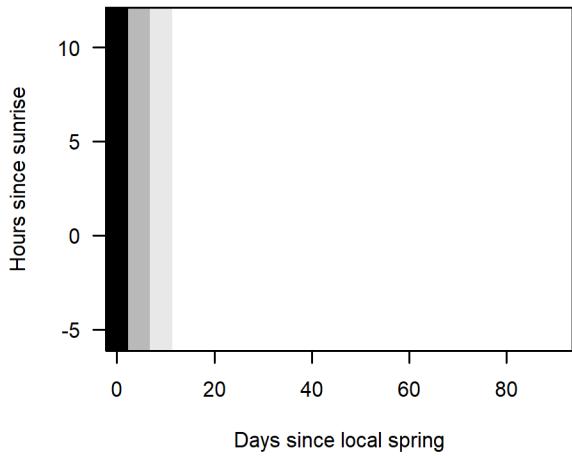
BGGN (n=415) v4



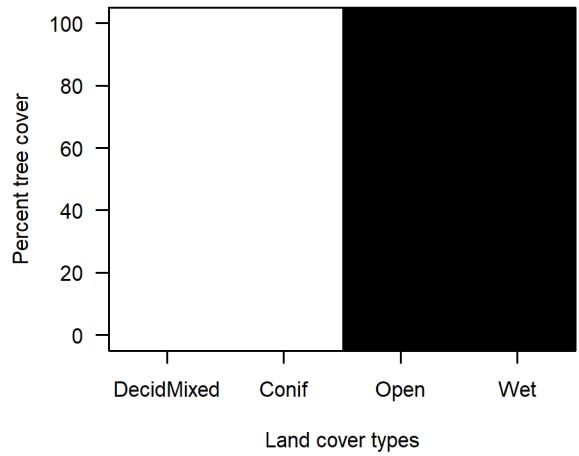
BGGN (n=508) v4

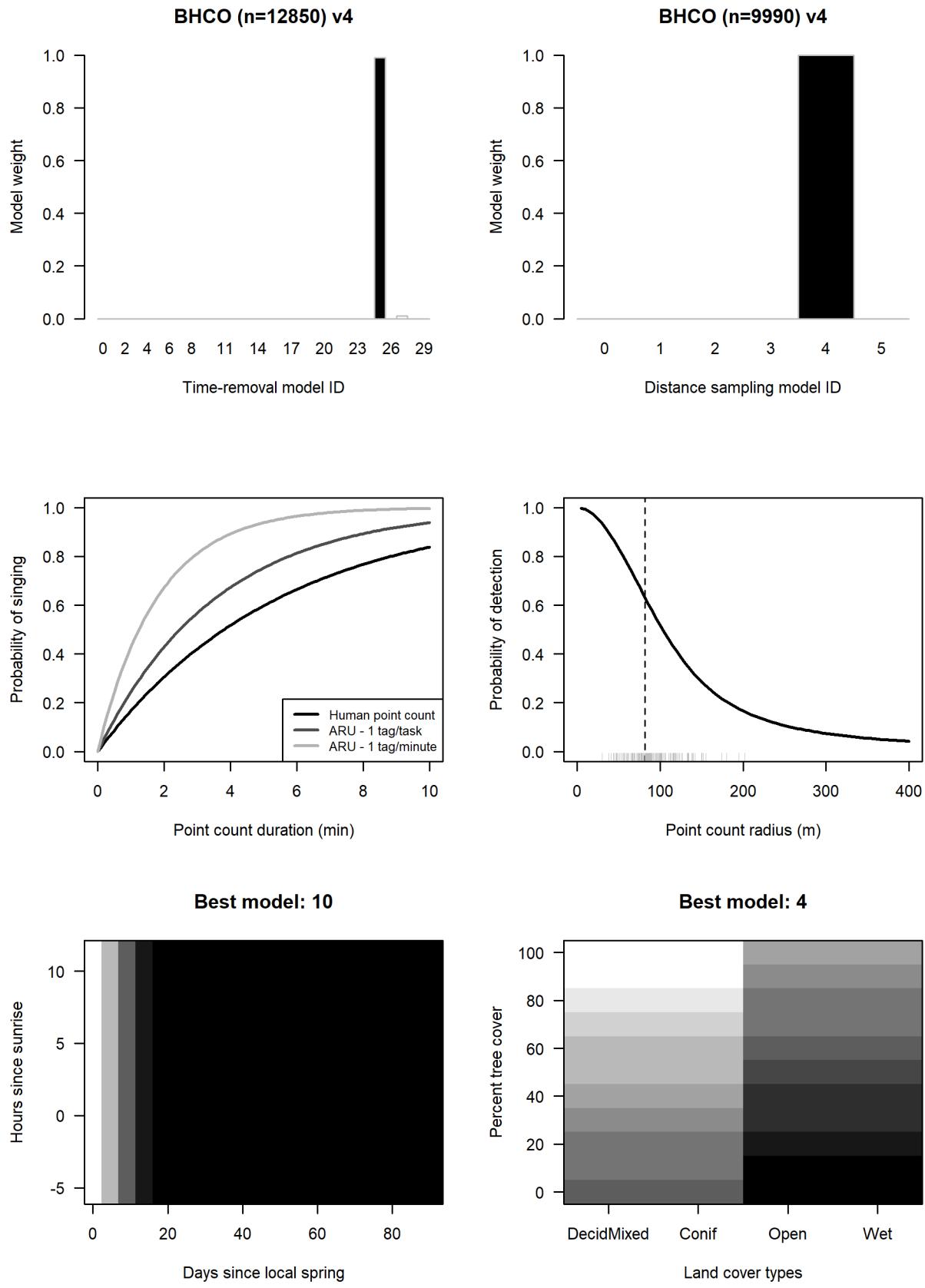


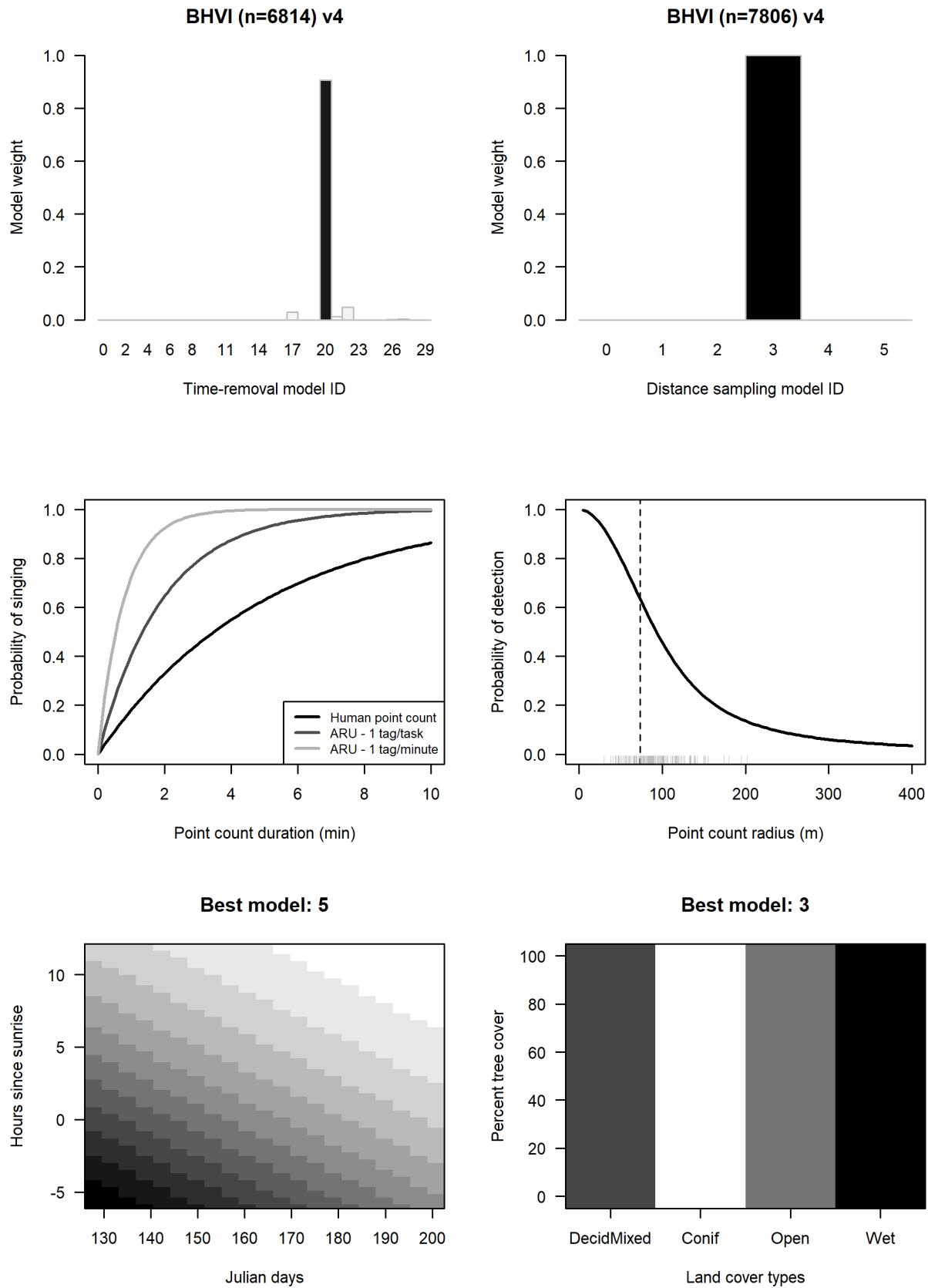
Best model: 10

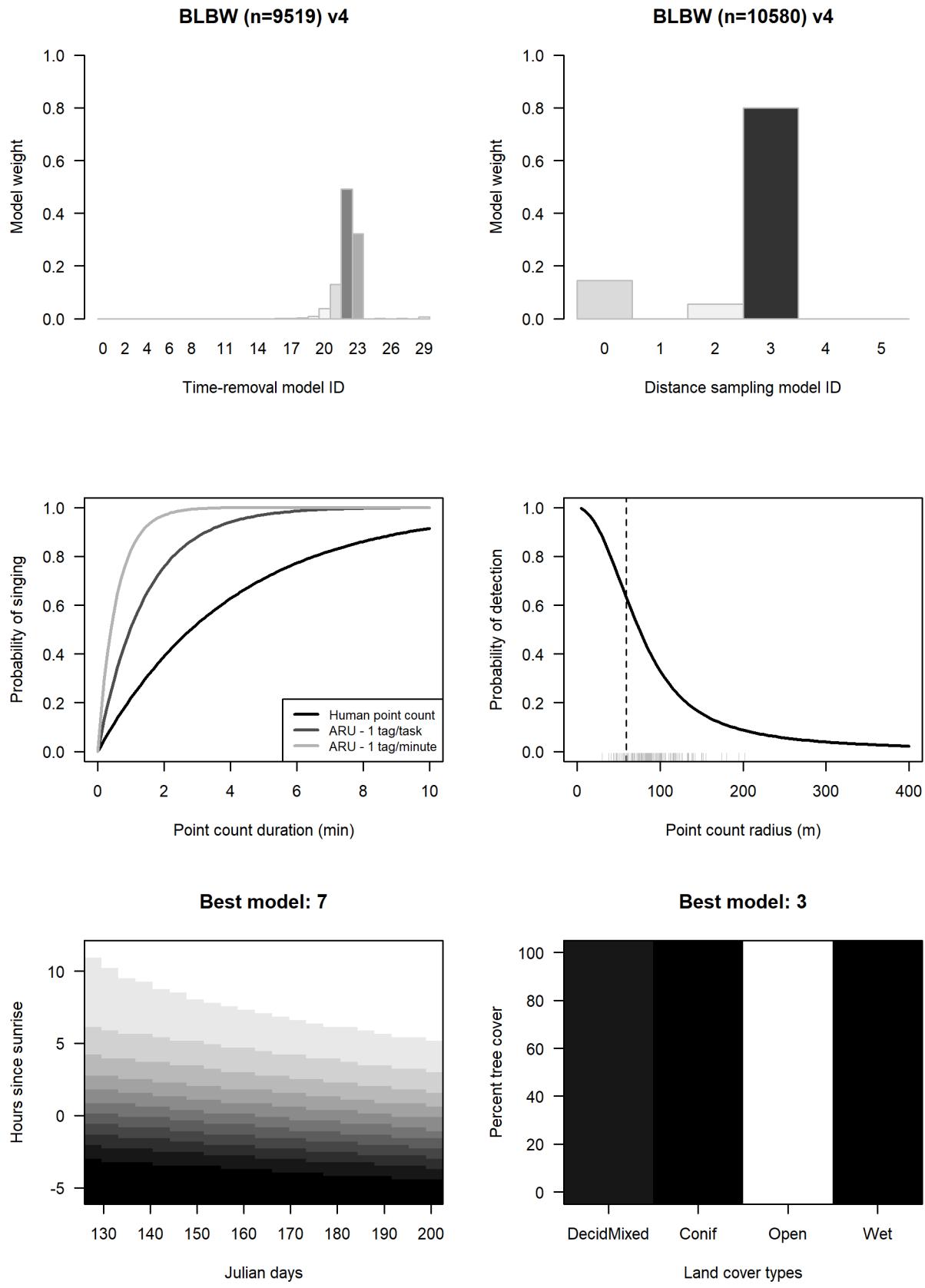


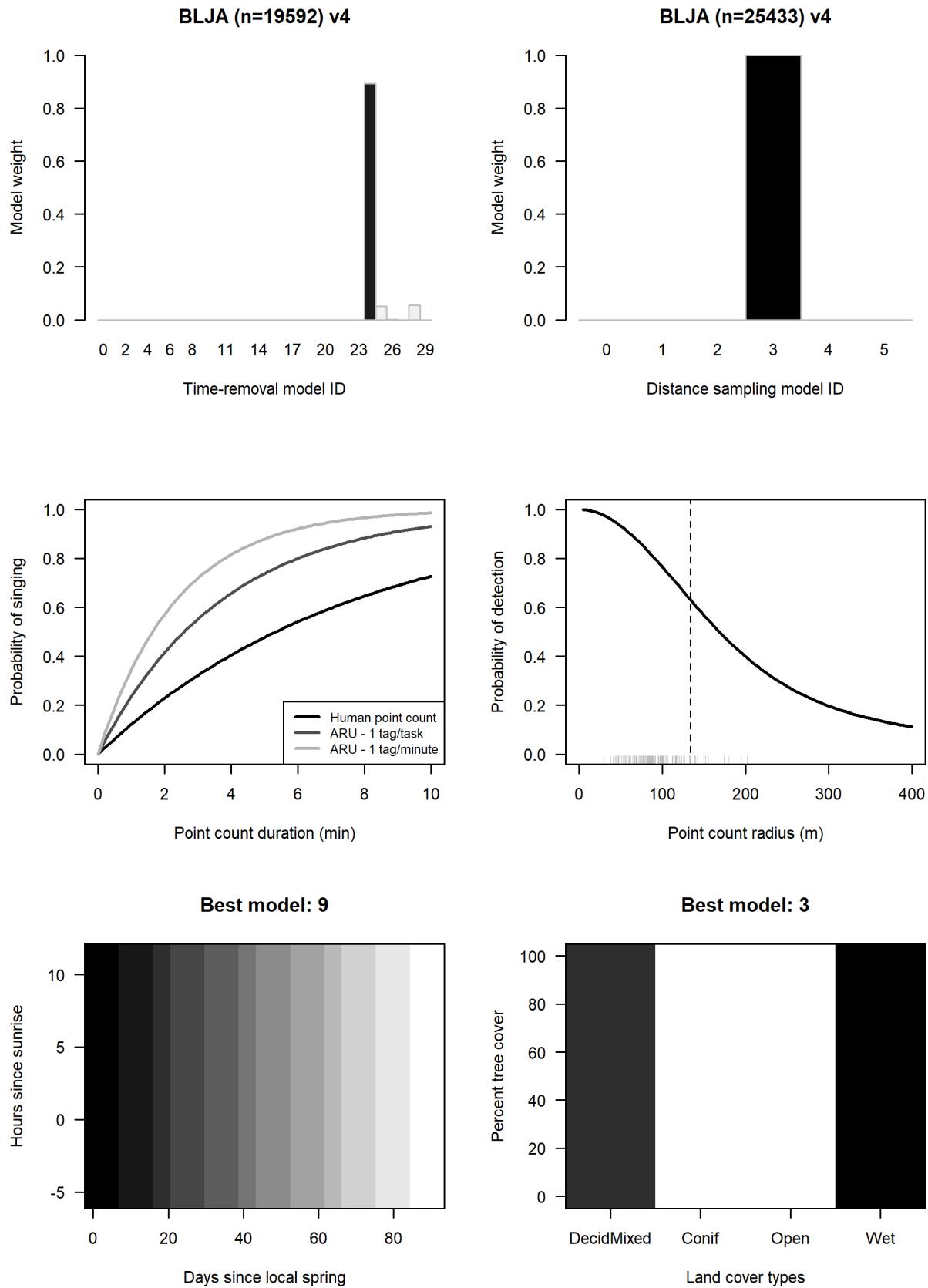
Best model: 2

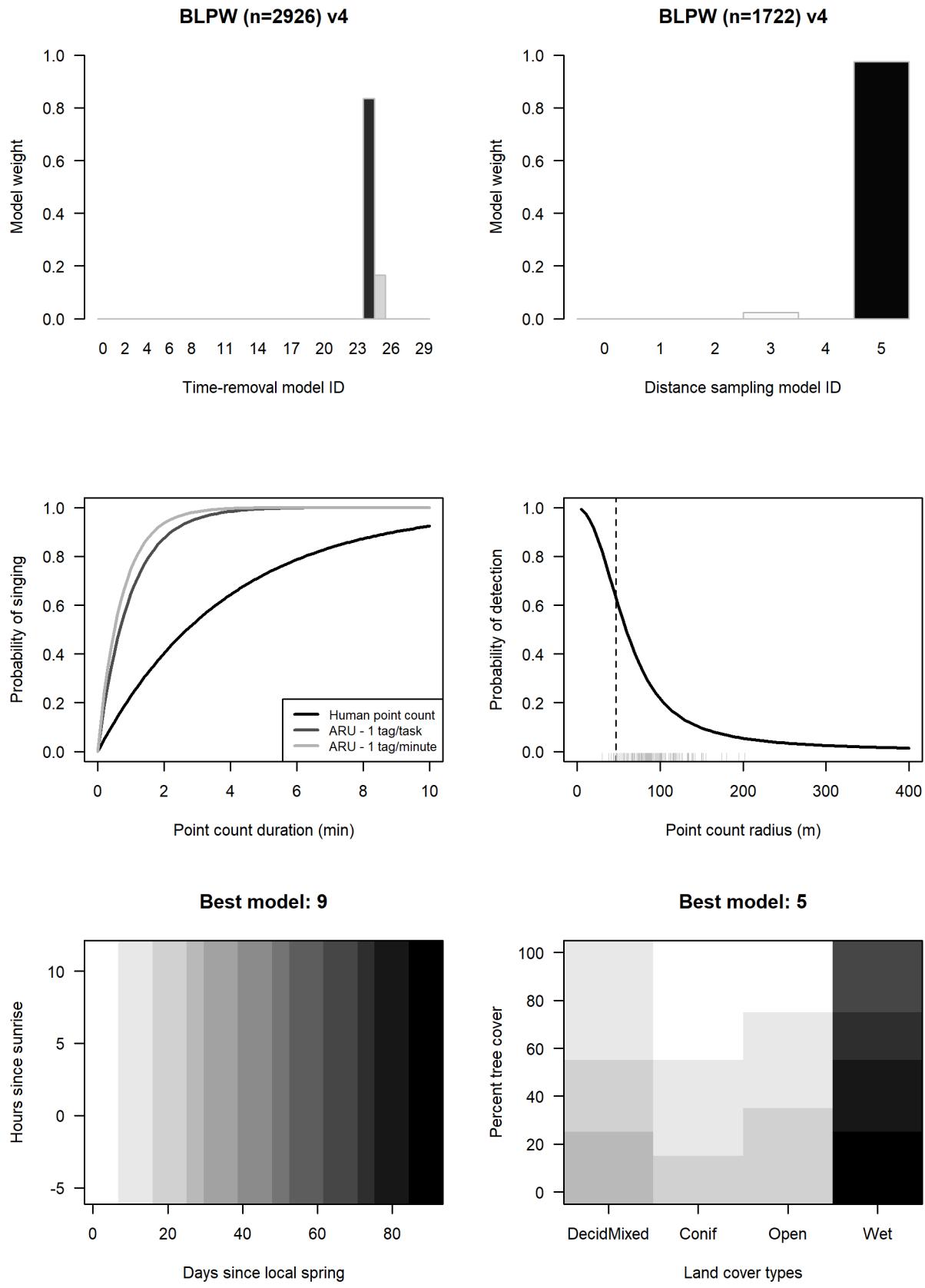


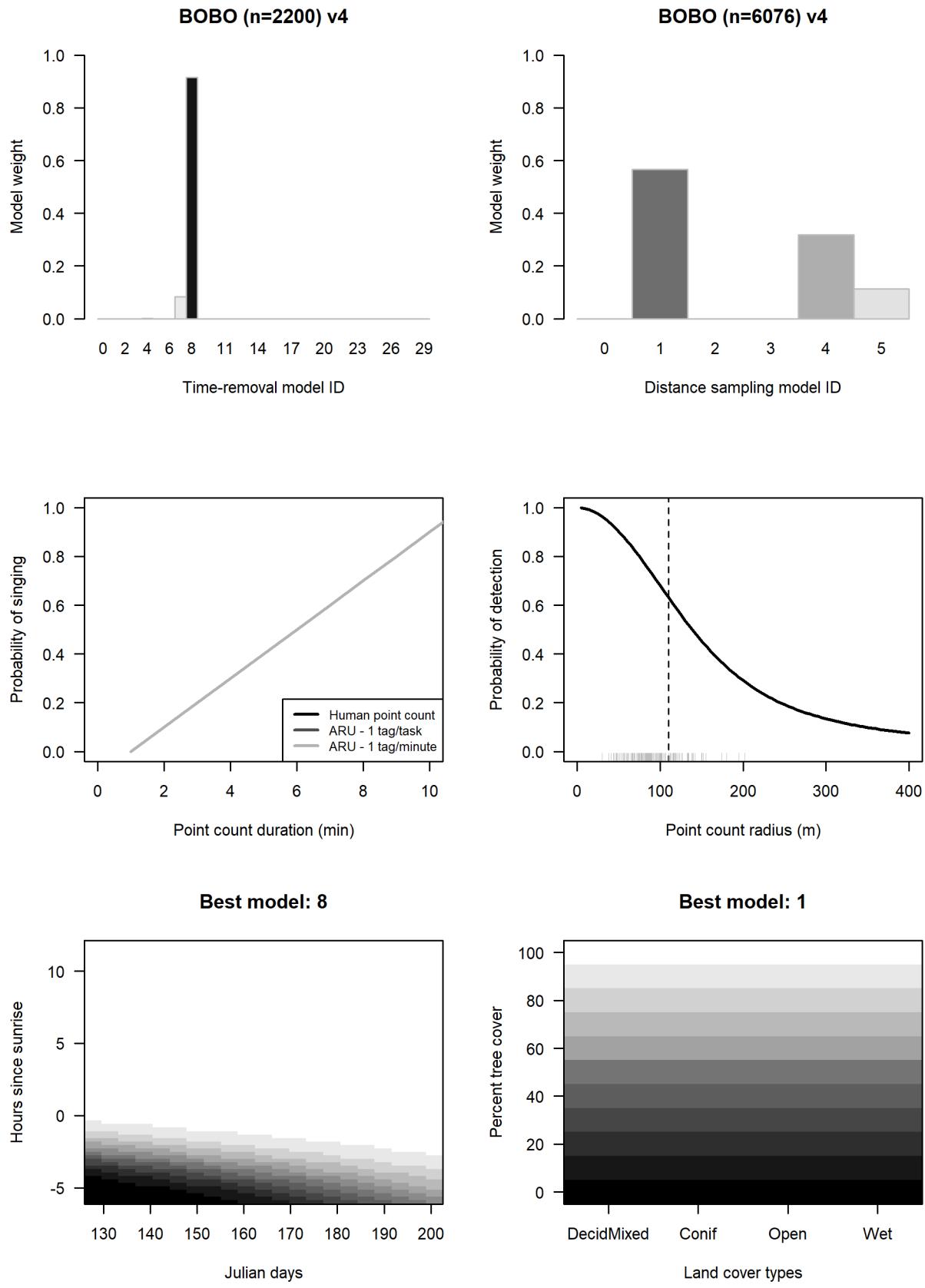


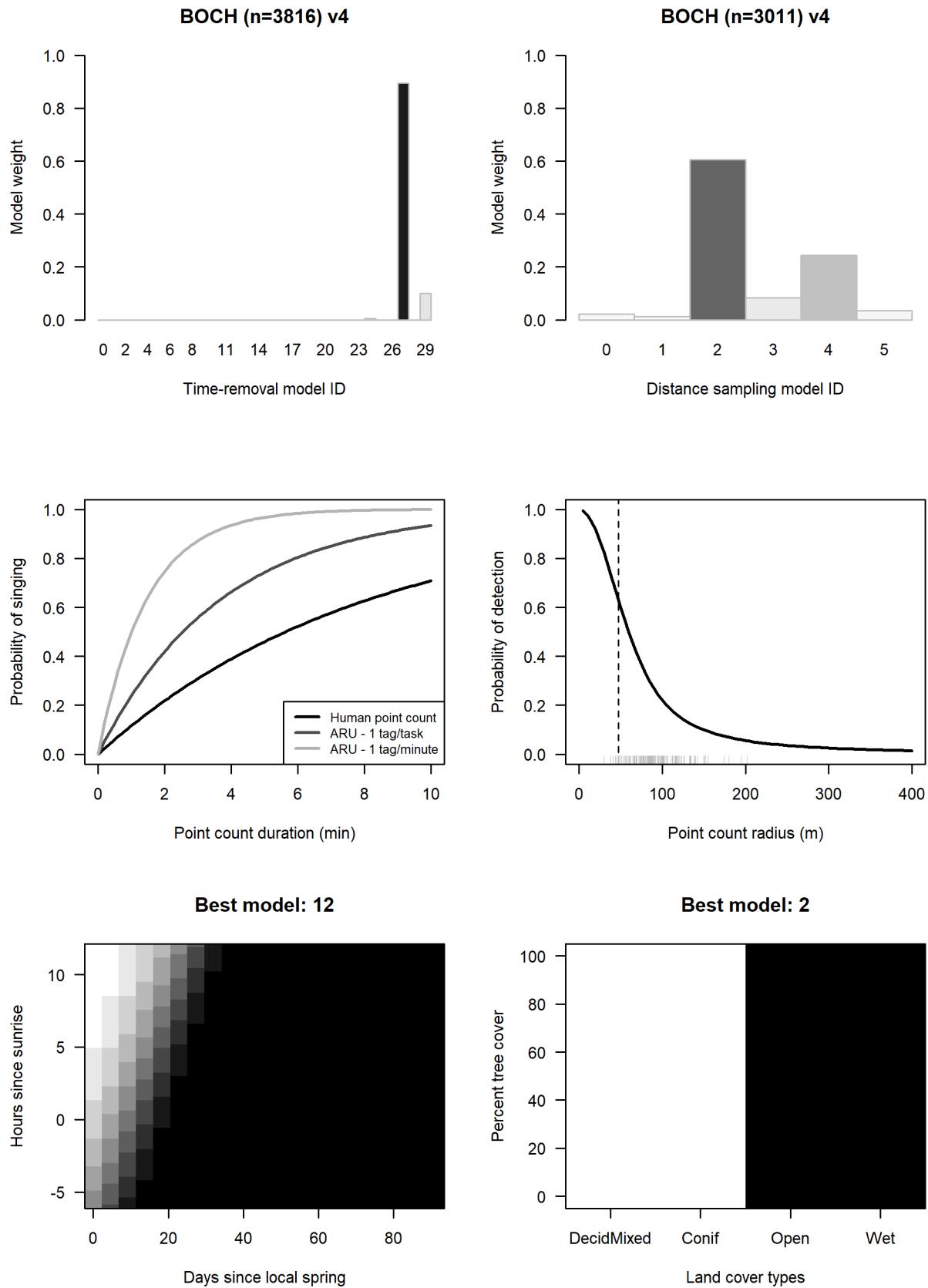


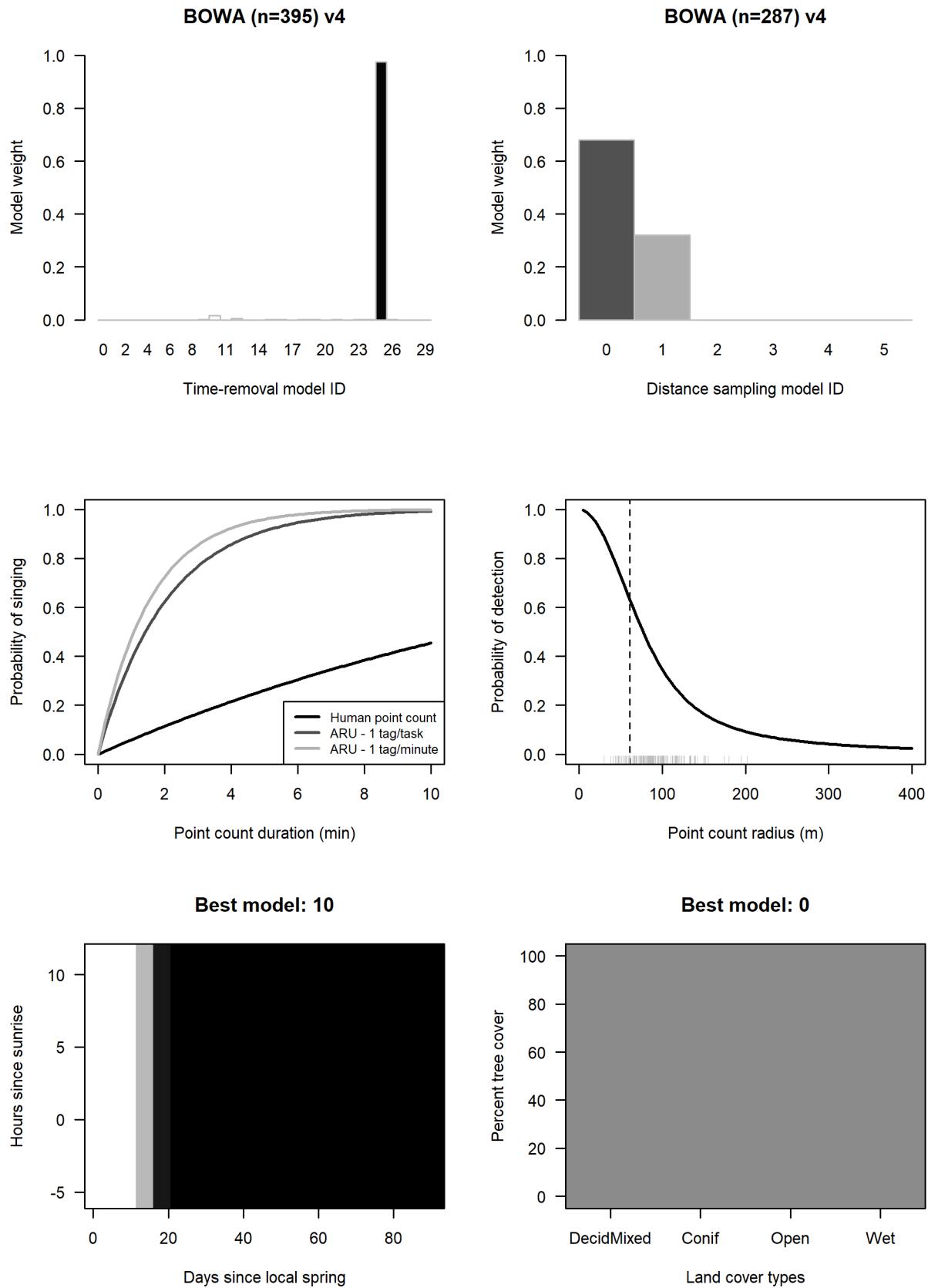


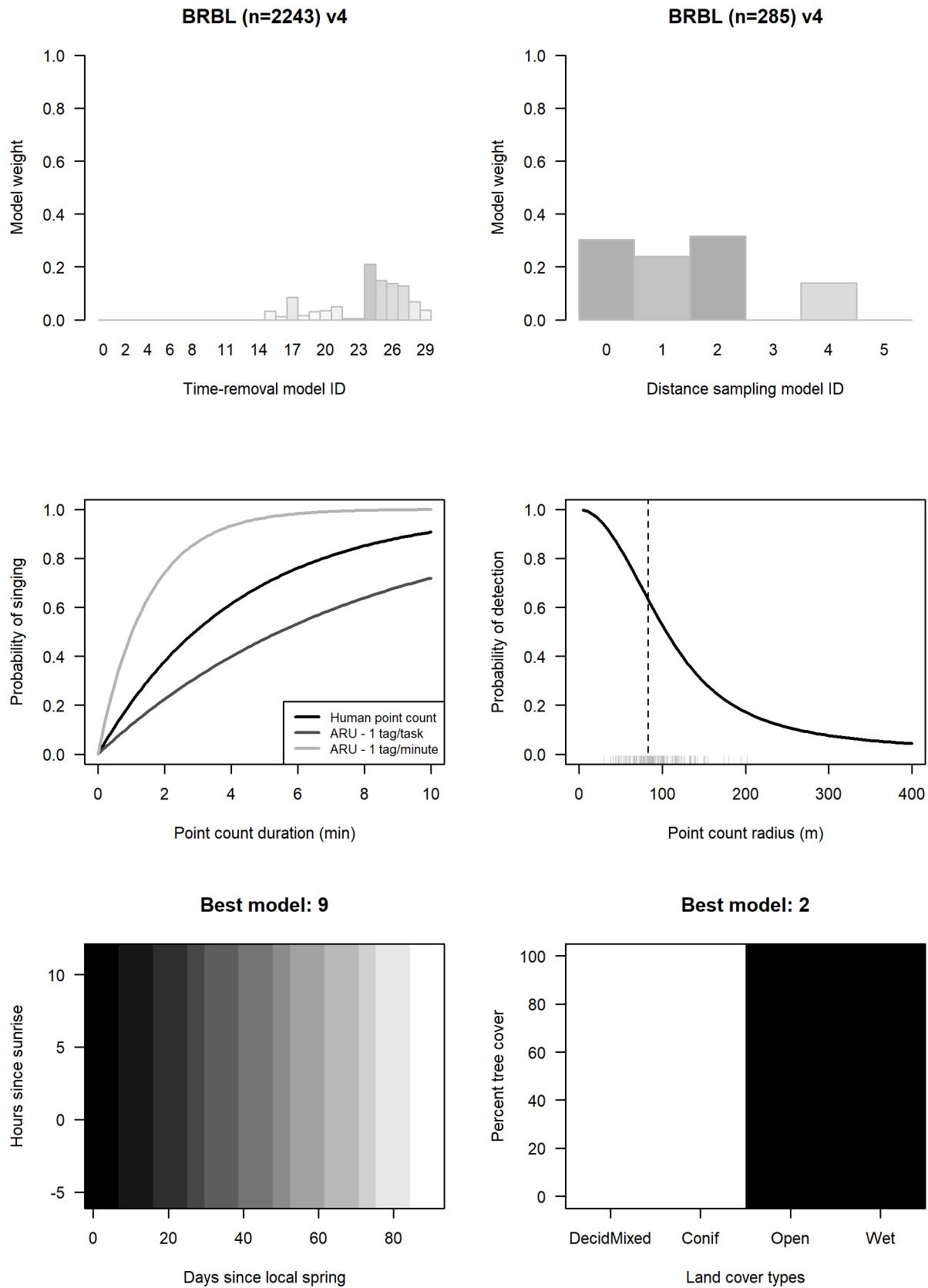


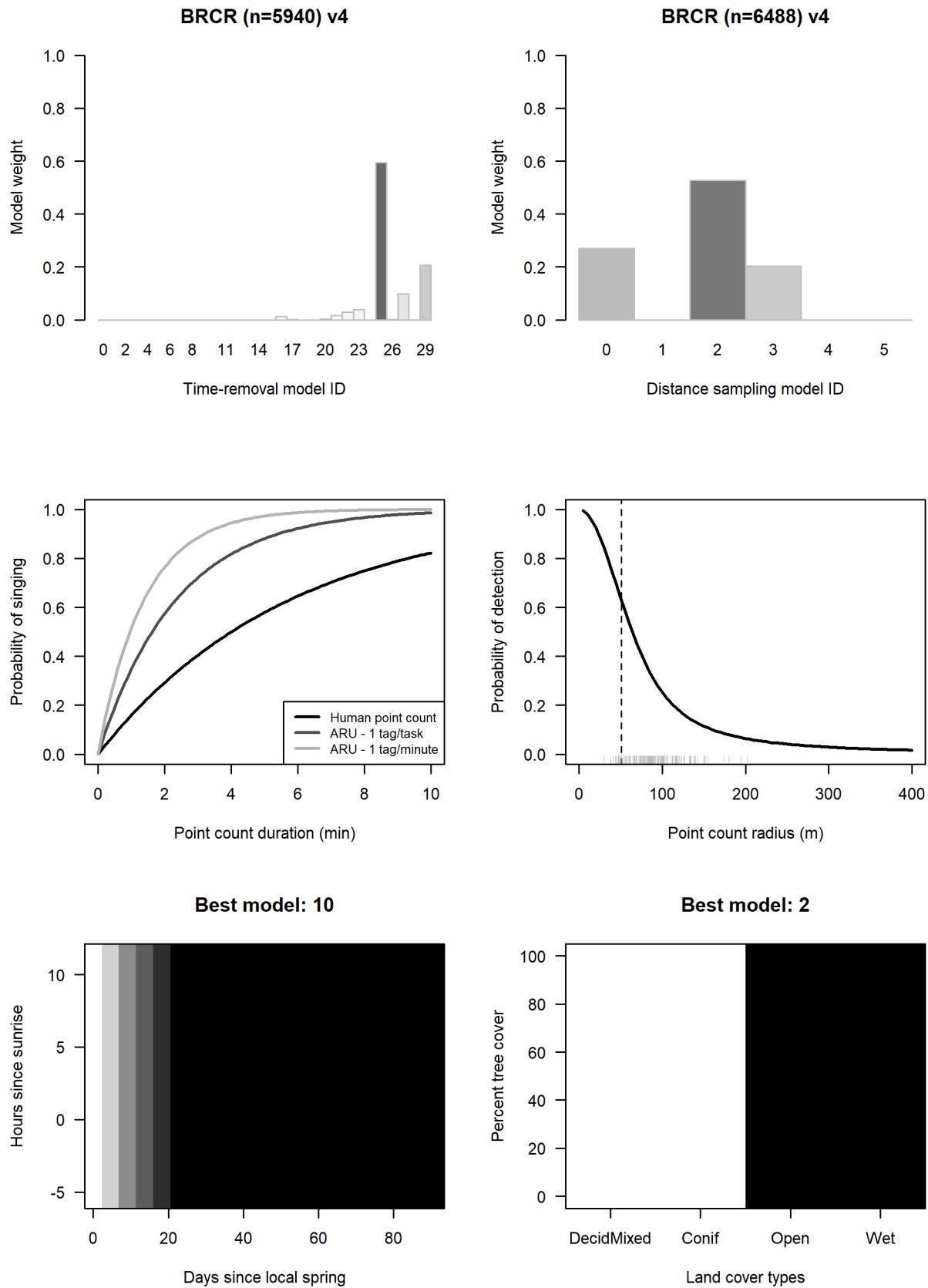


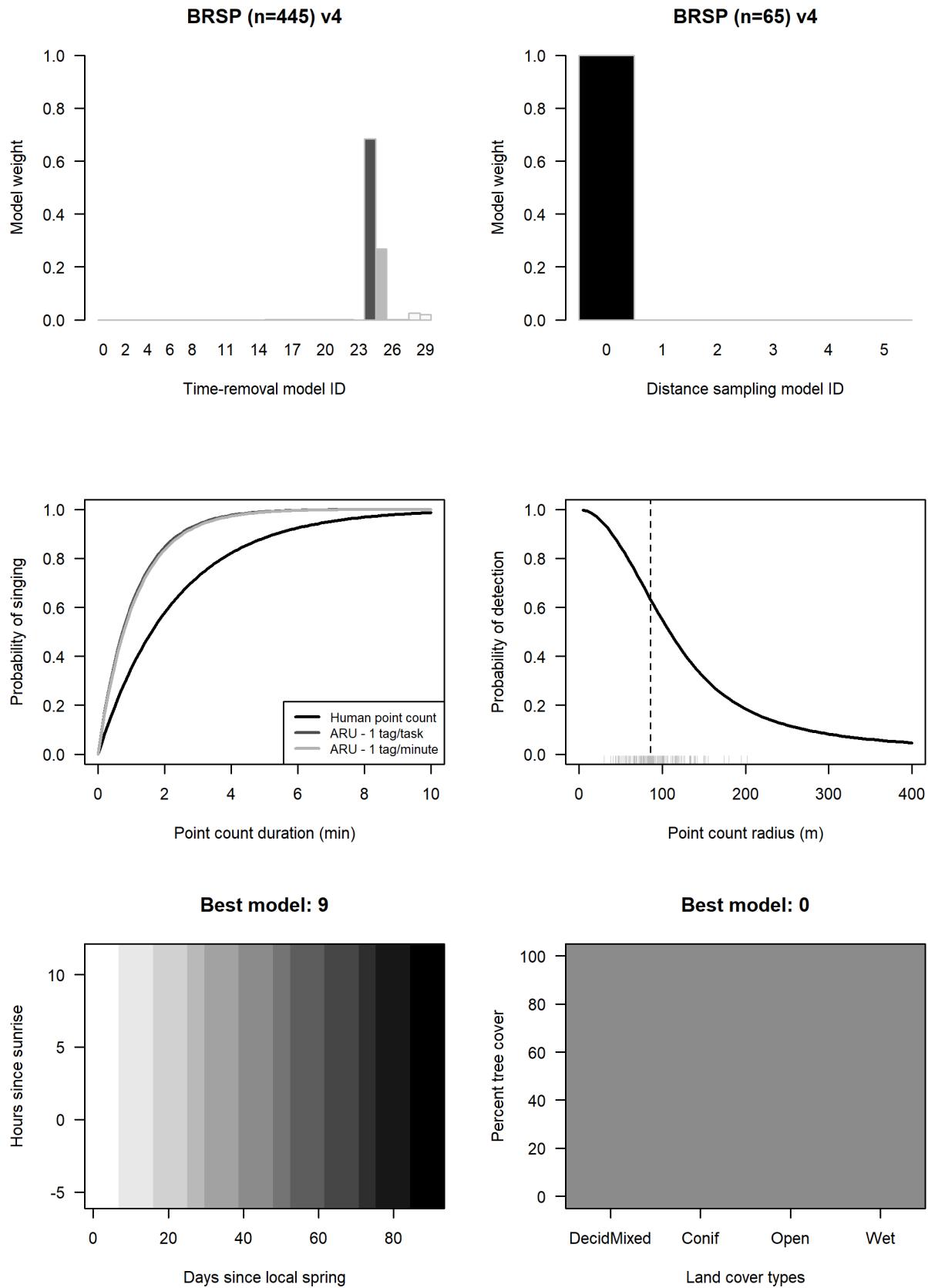


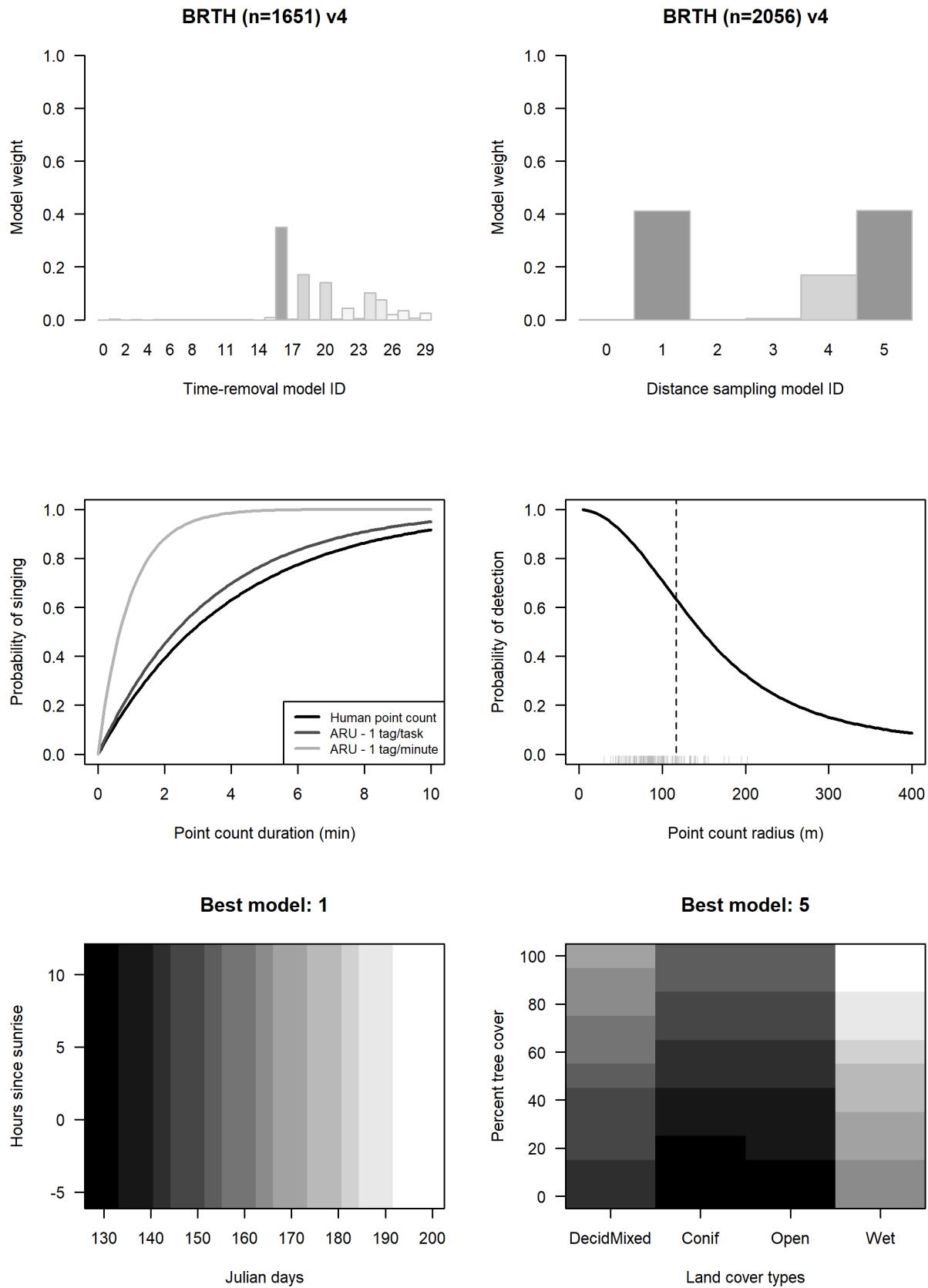


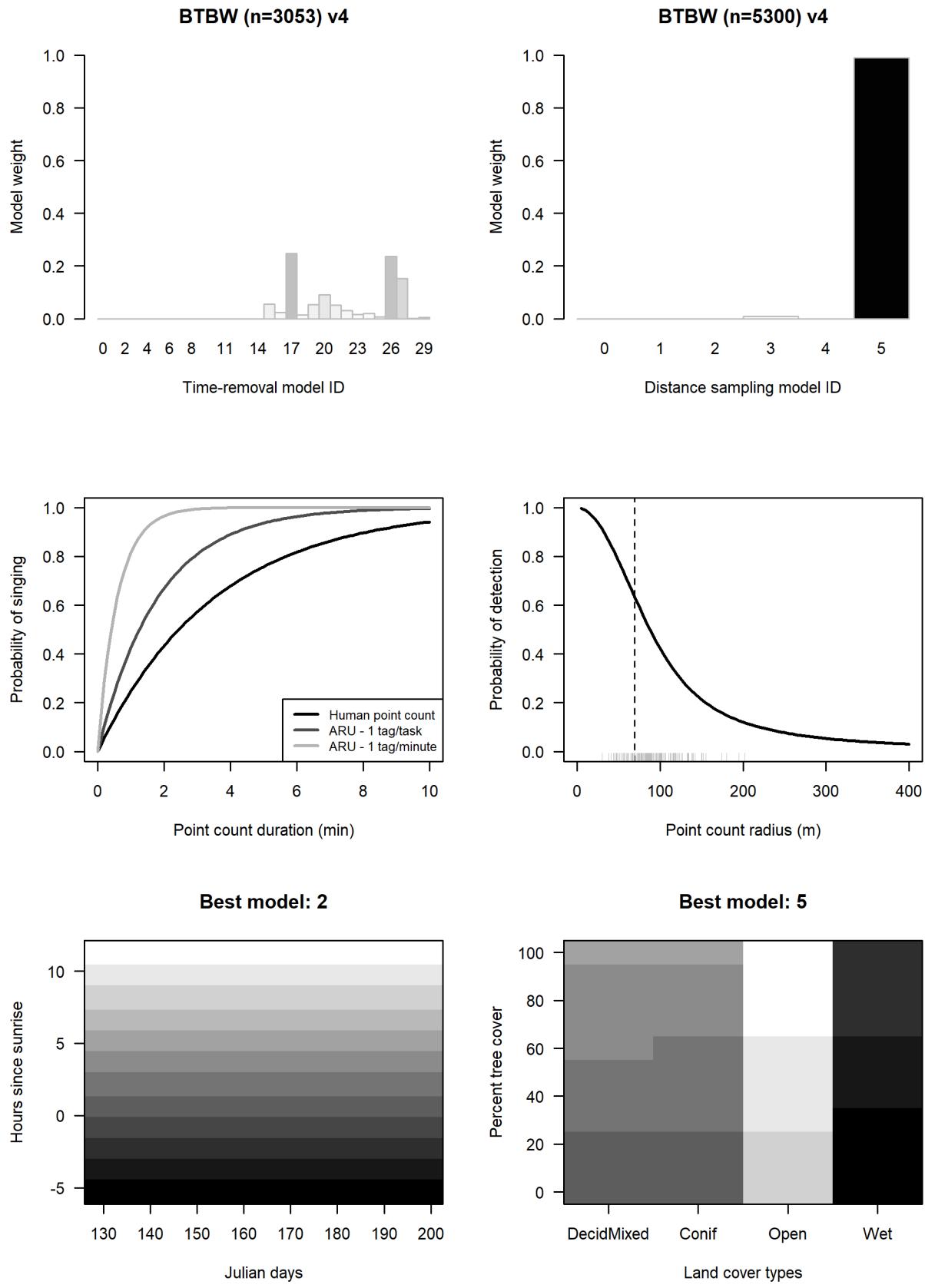


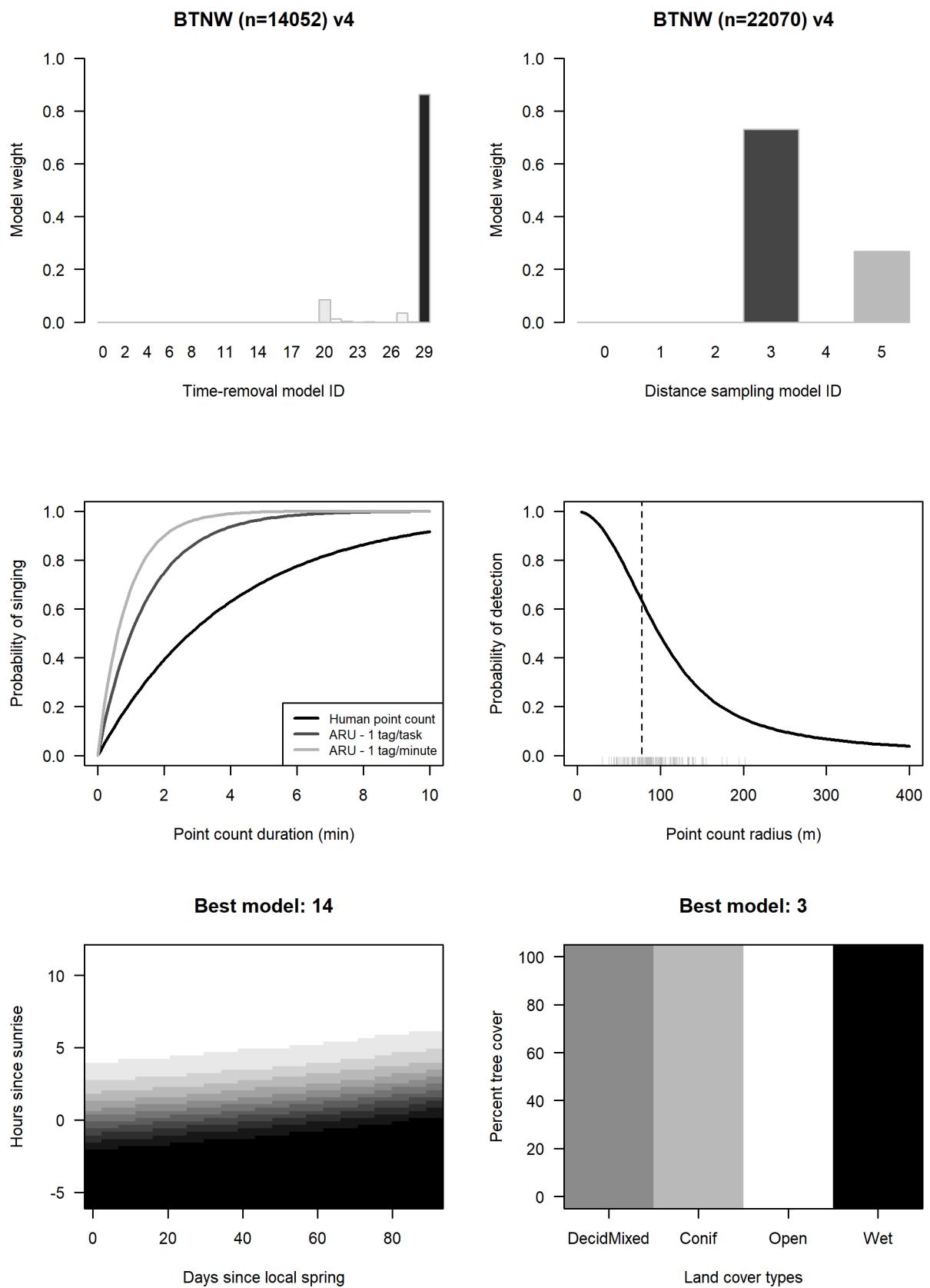


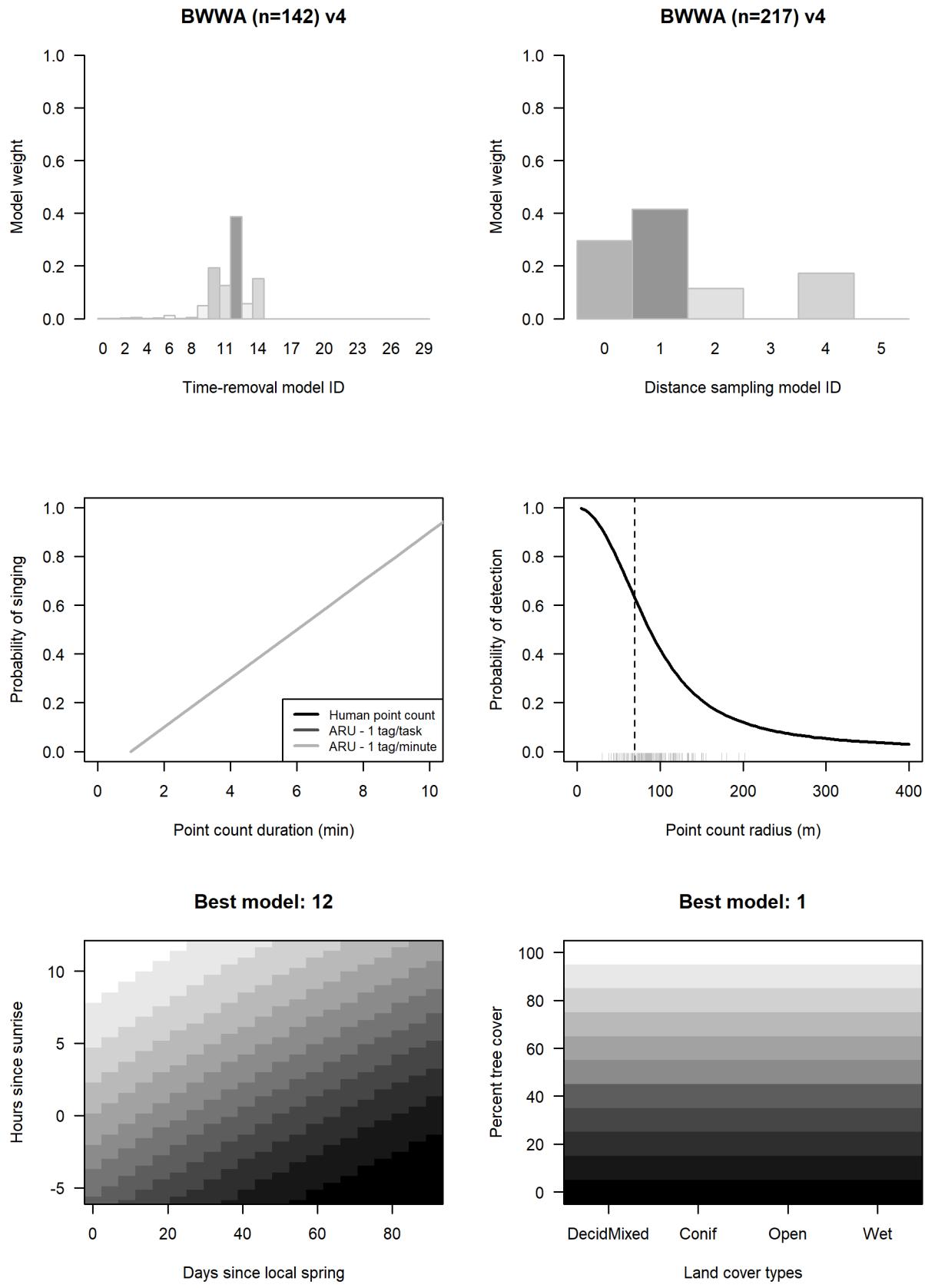


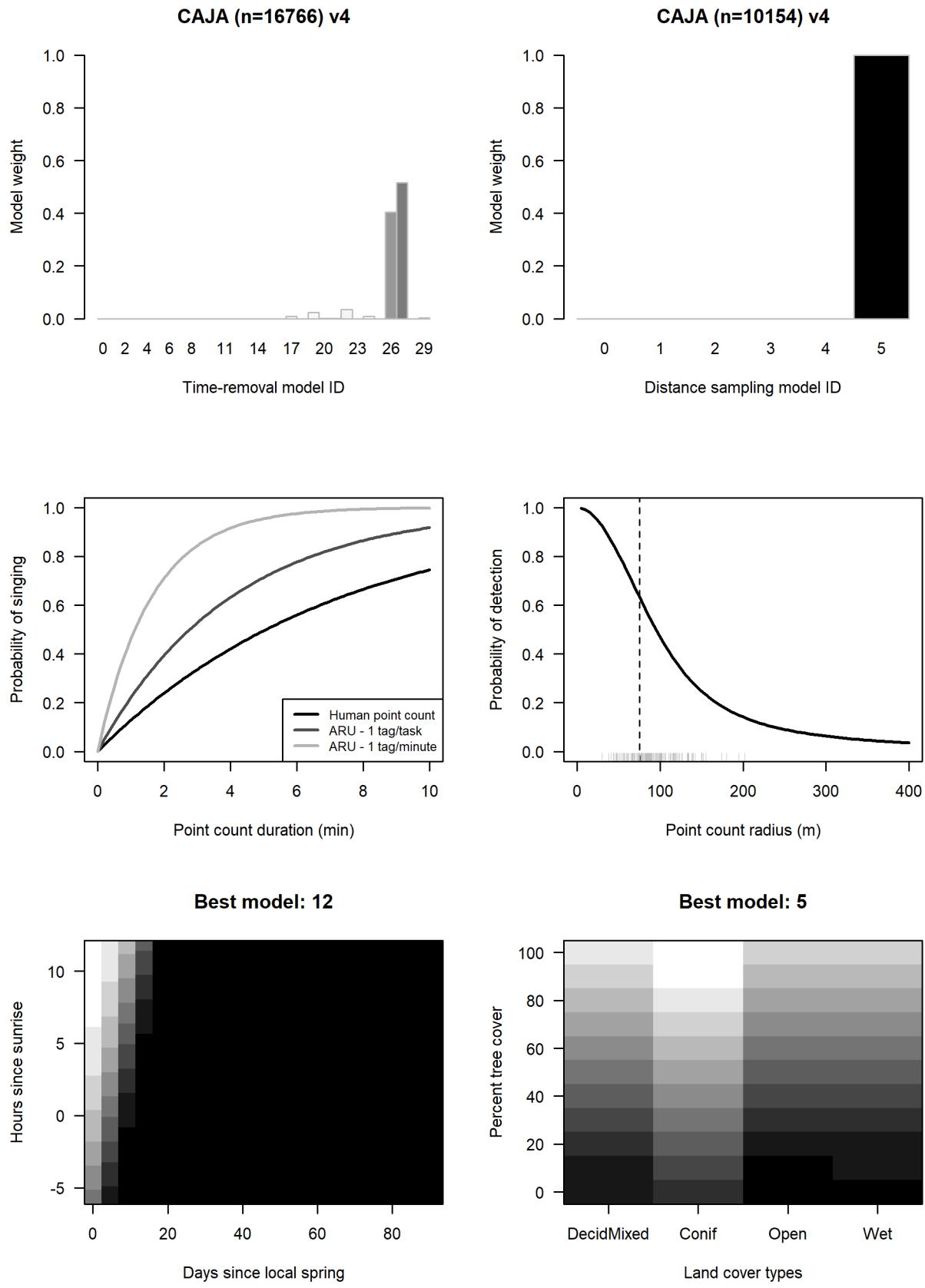


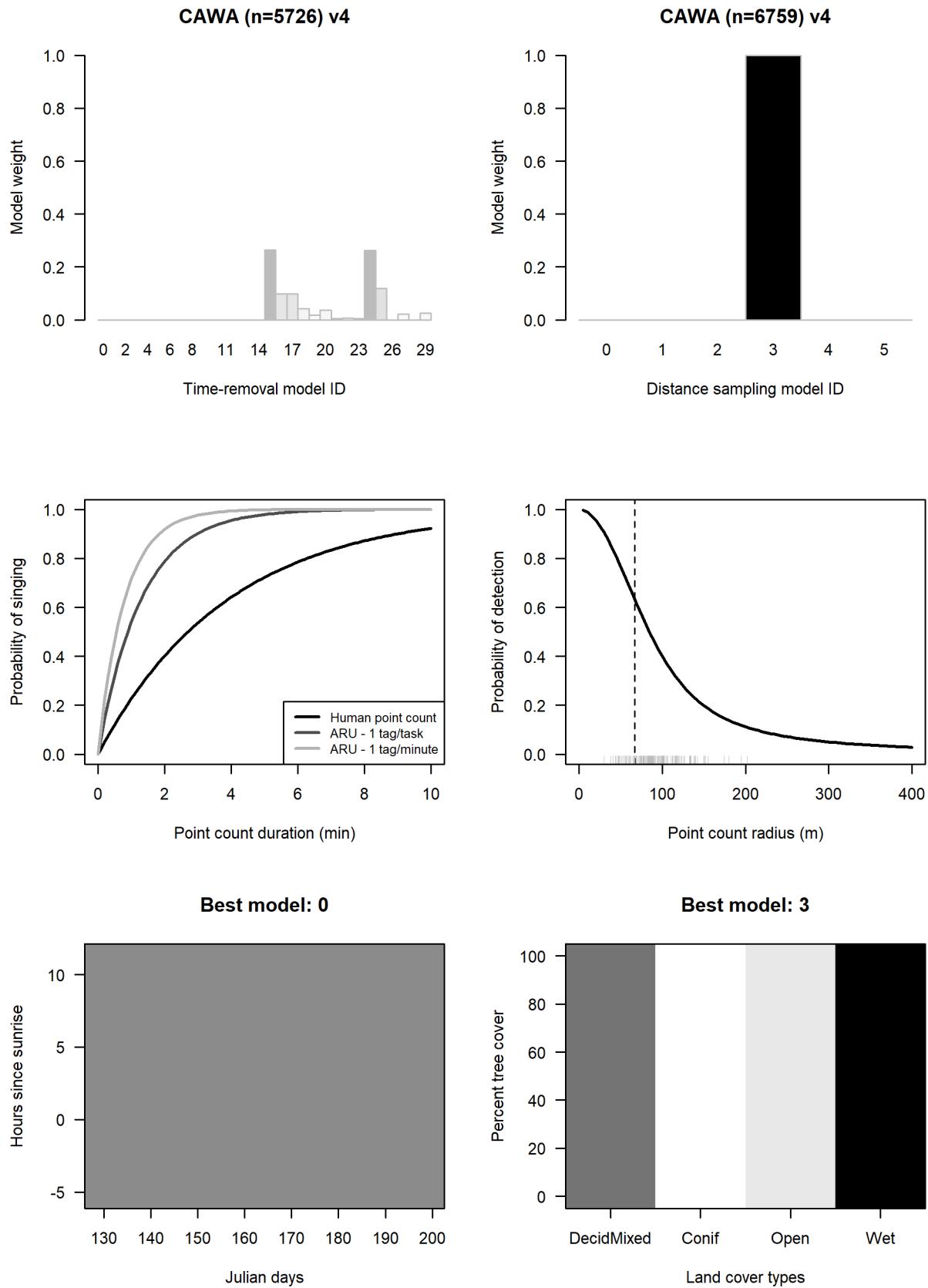


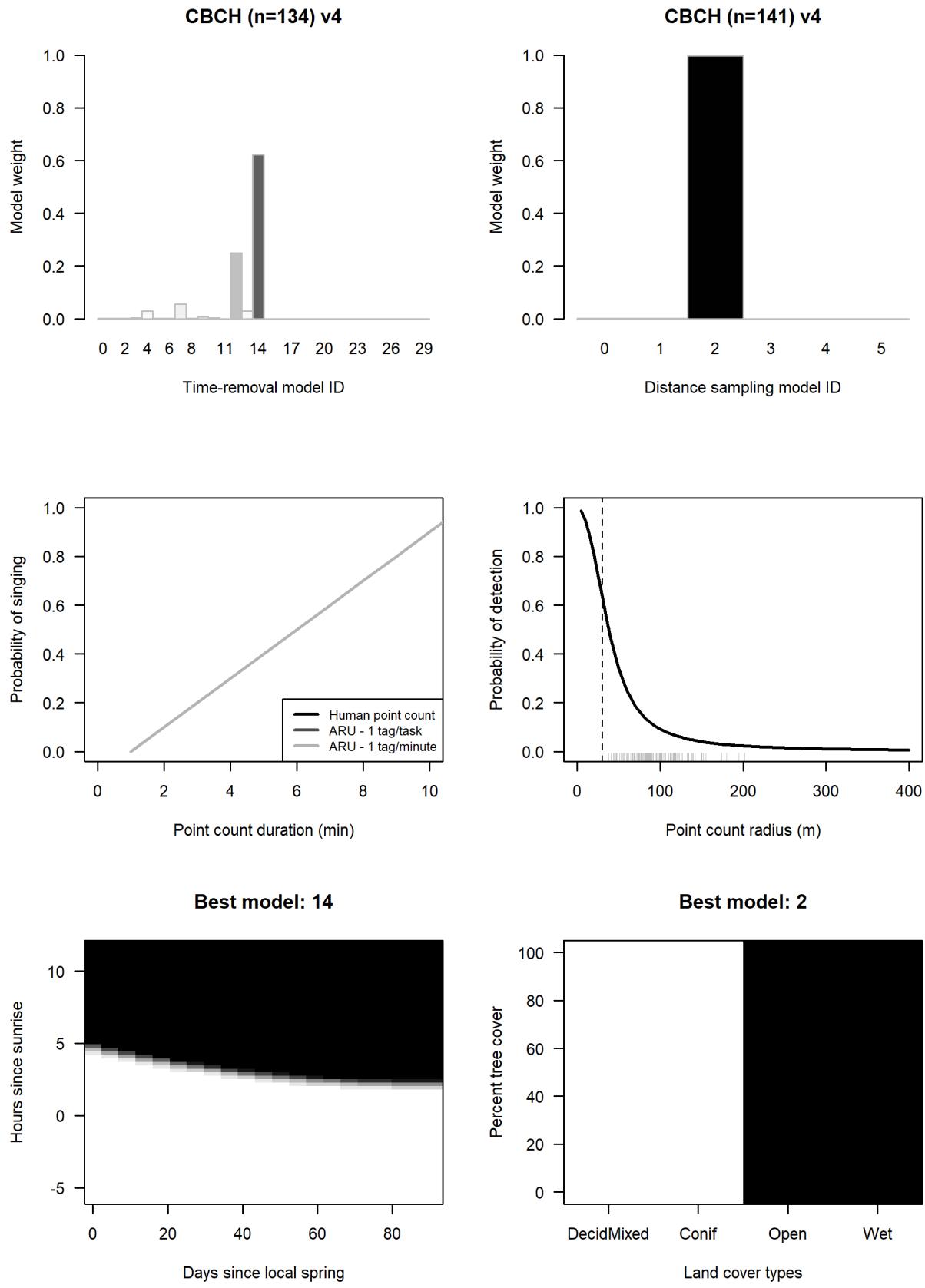


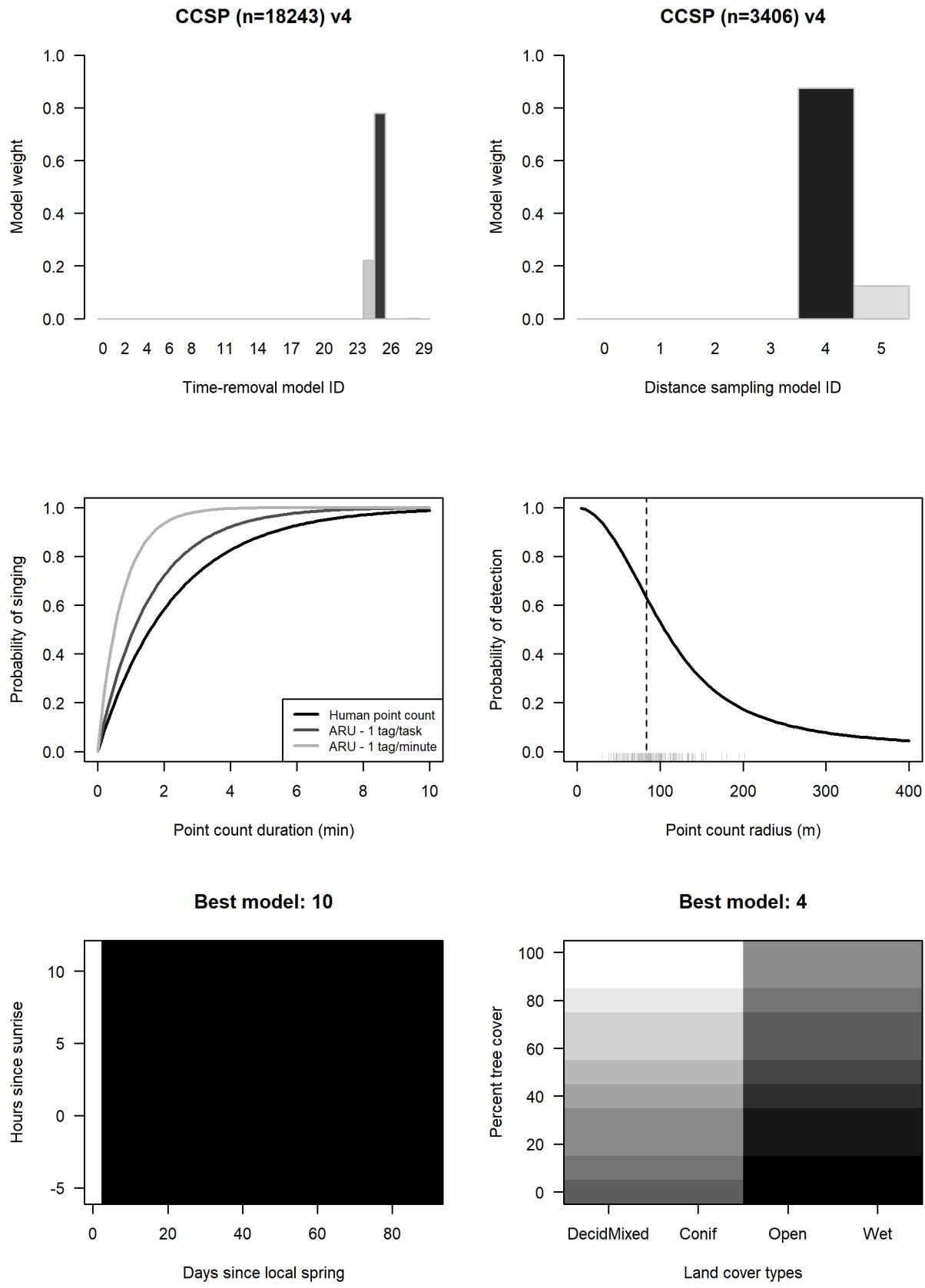


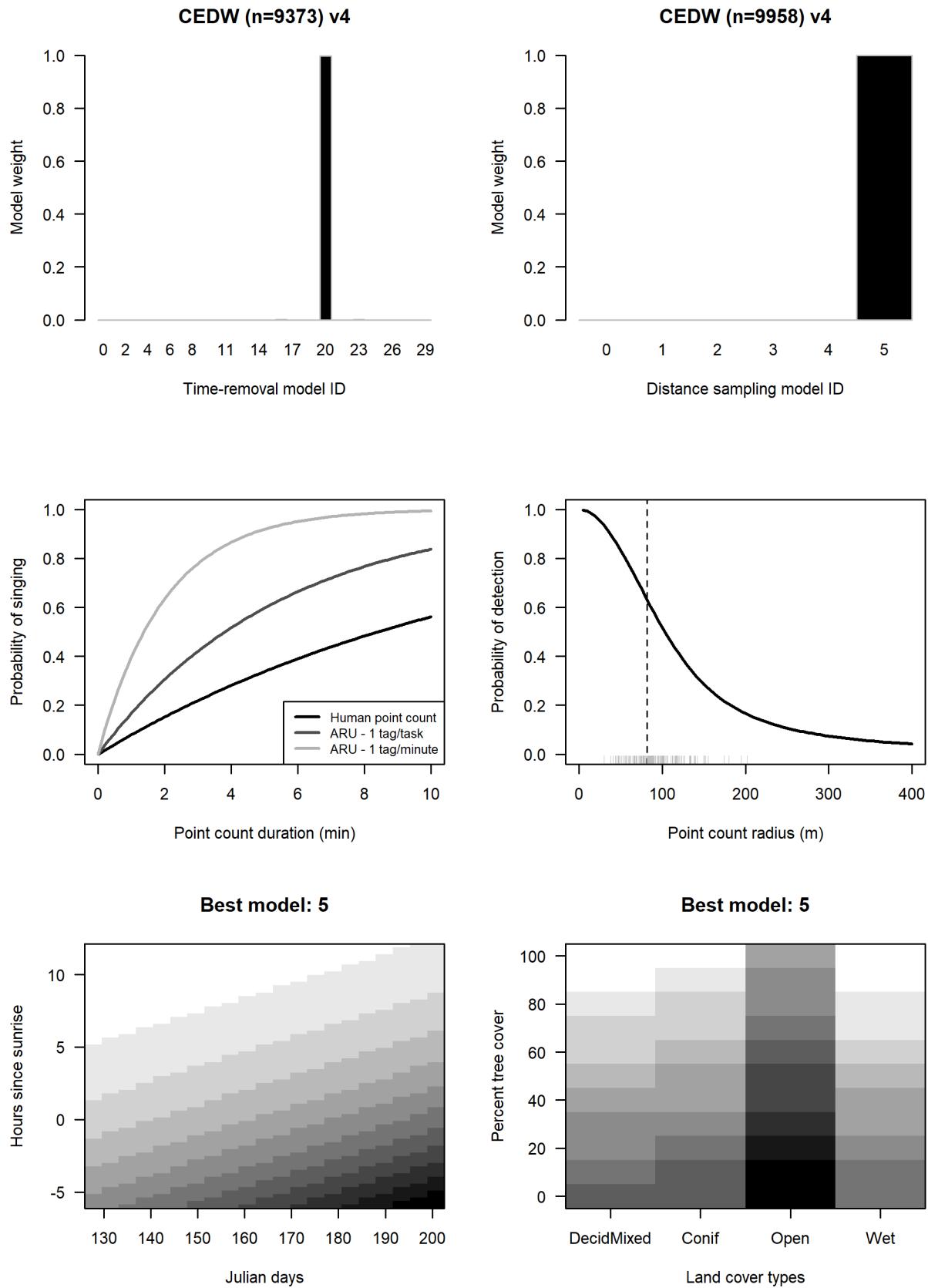




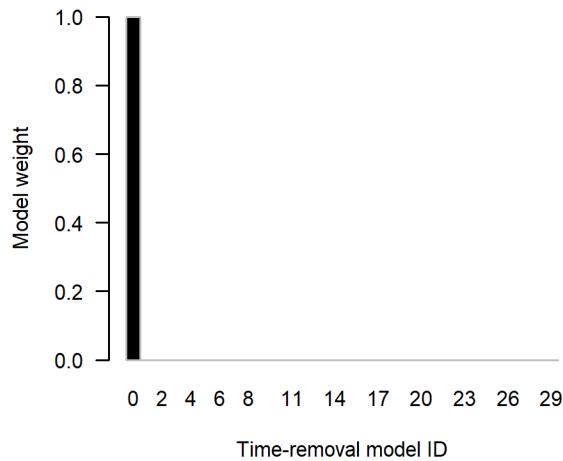




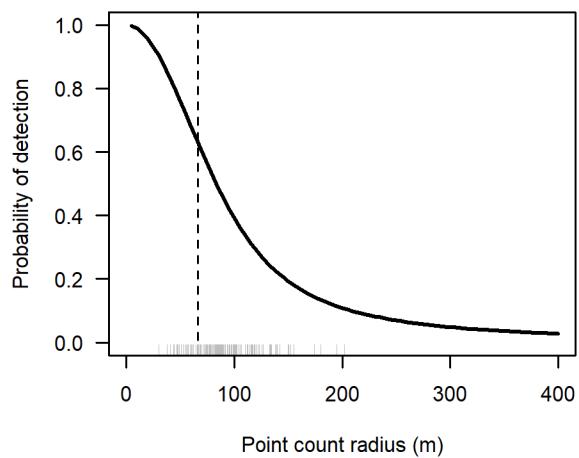
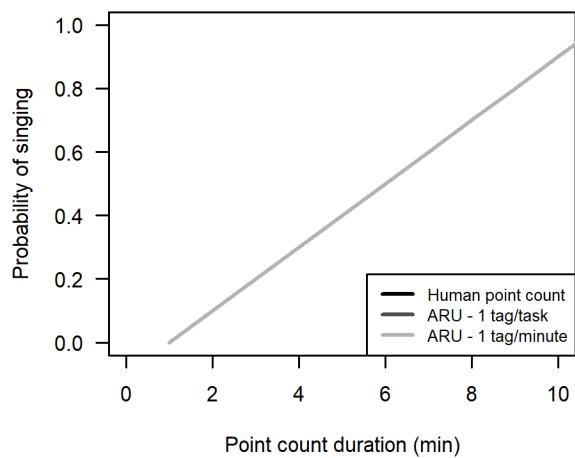
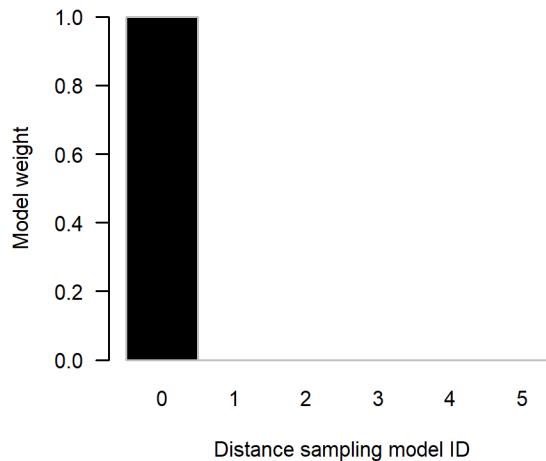




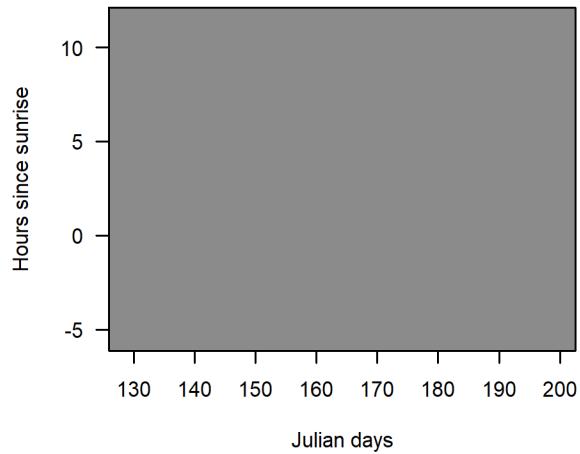
CERW (n=36) v4



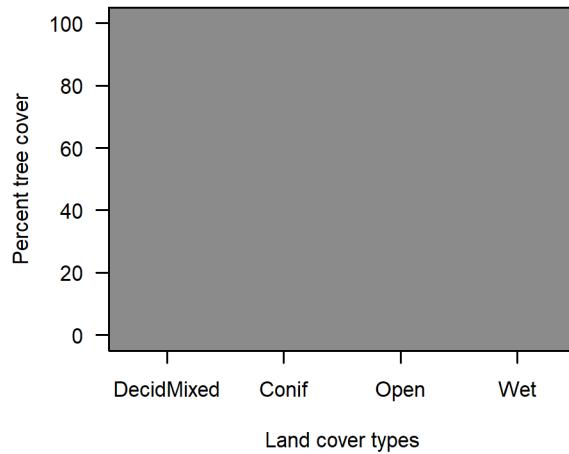
CERW (n=51) v4

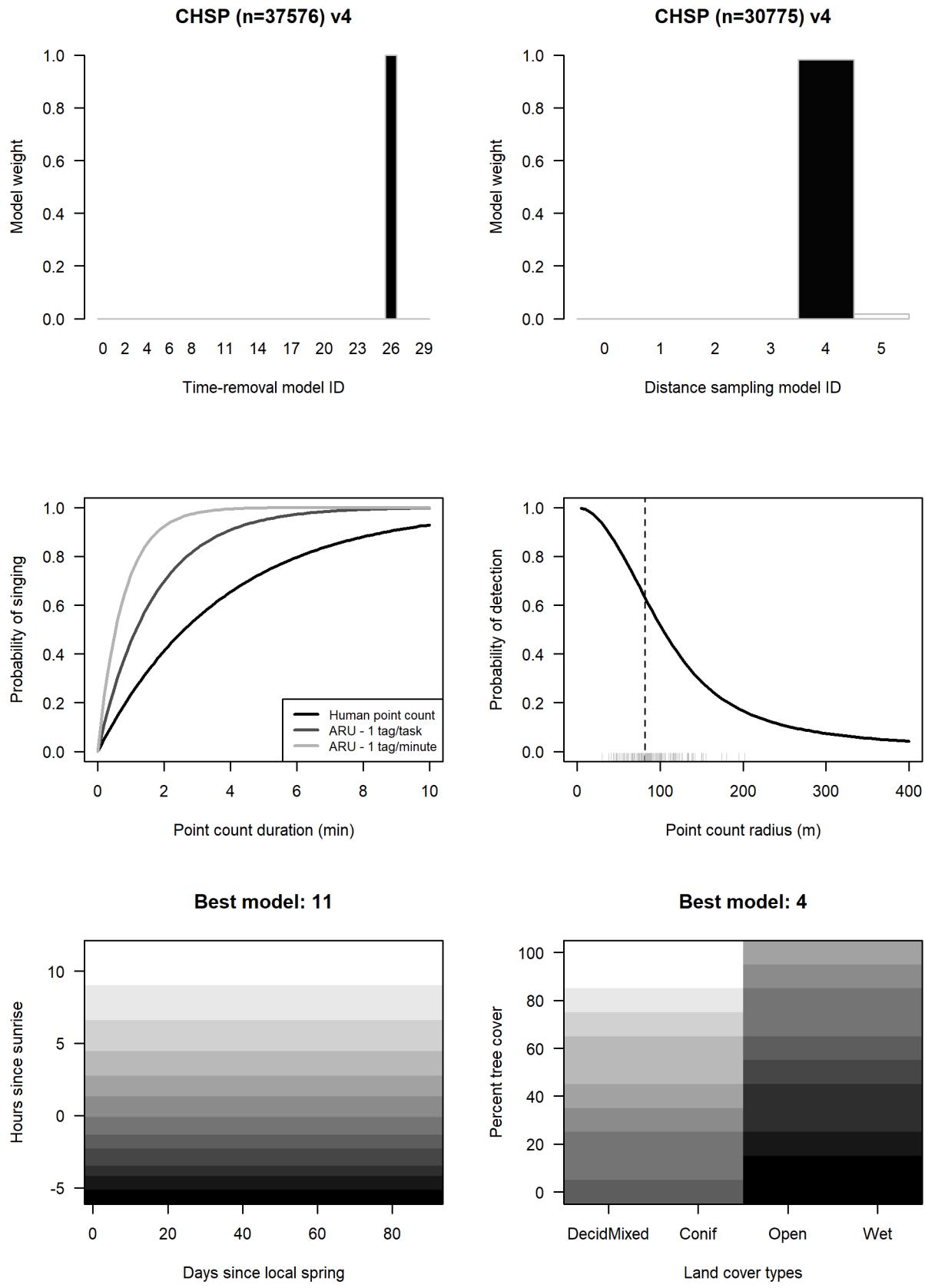


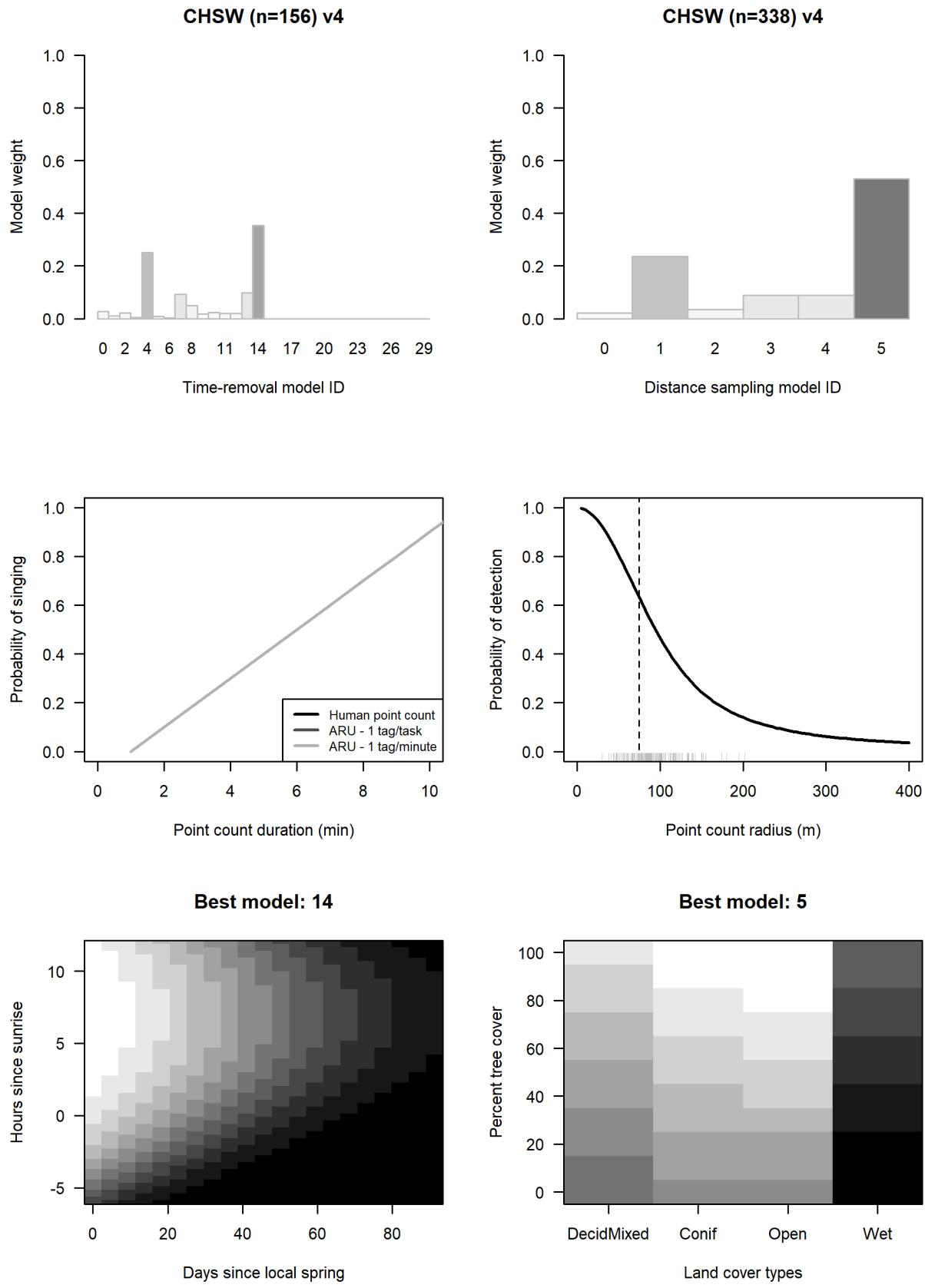
Best model: 0

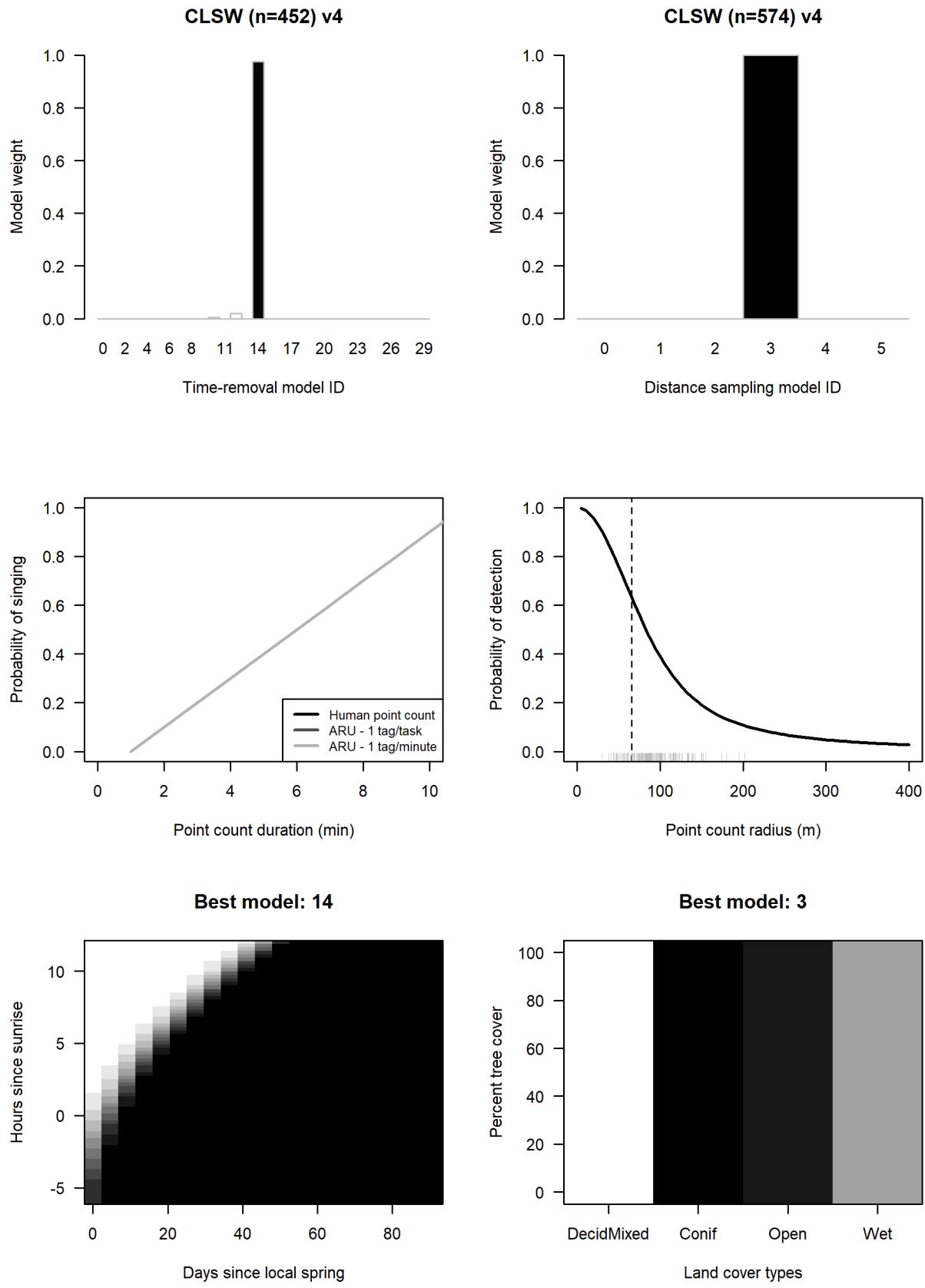


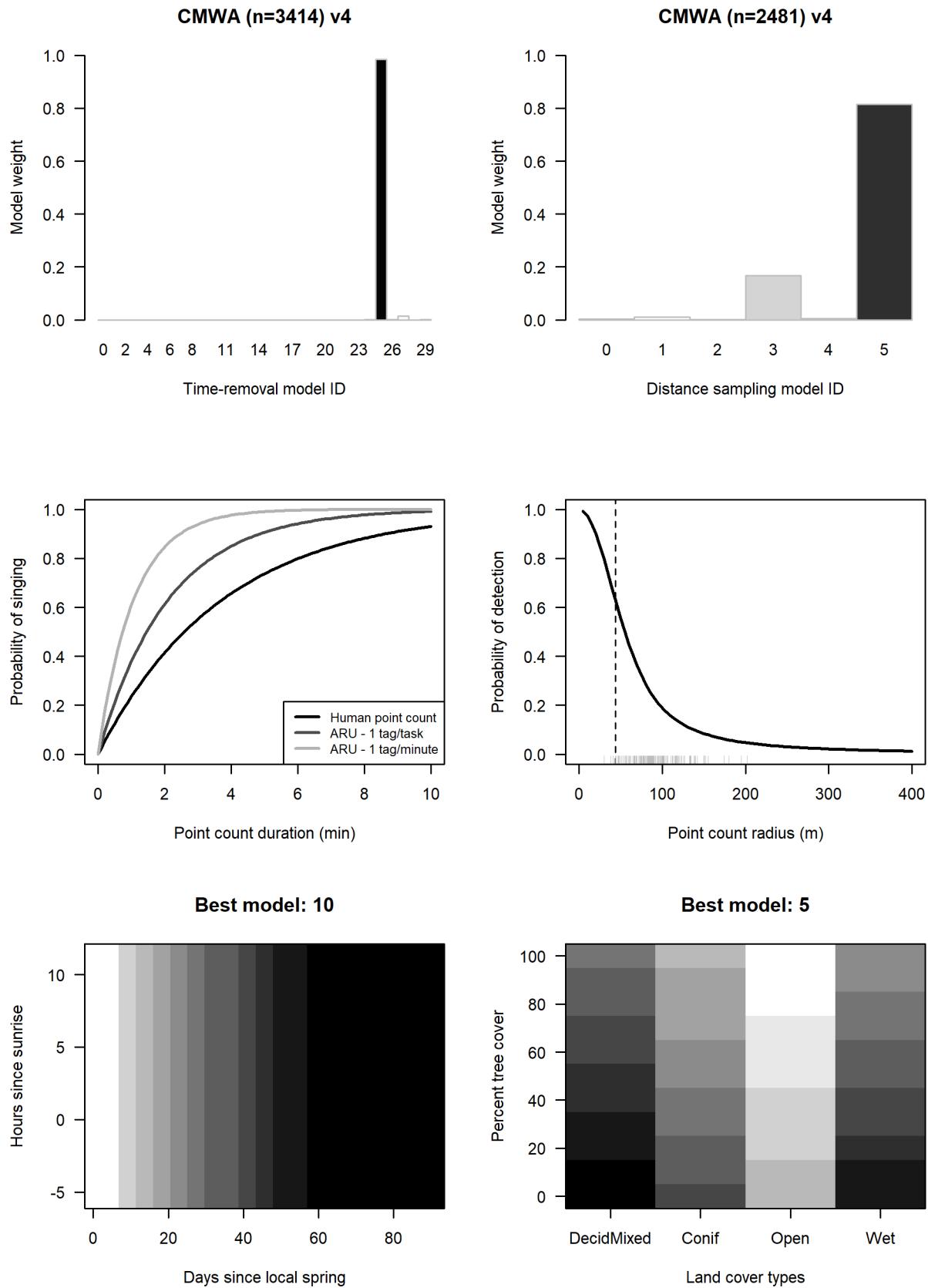
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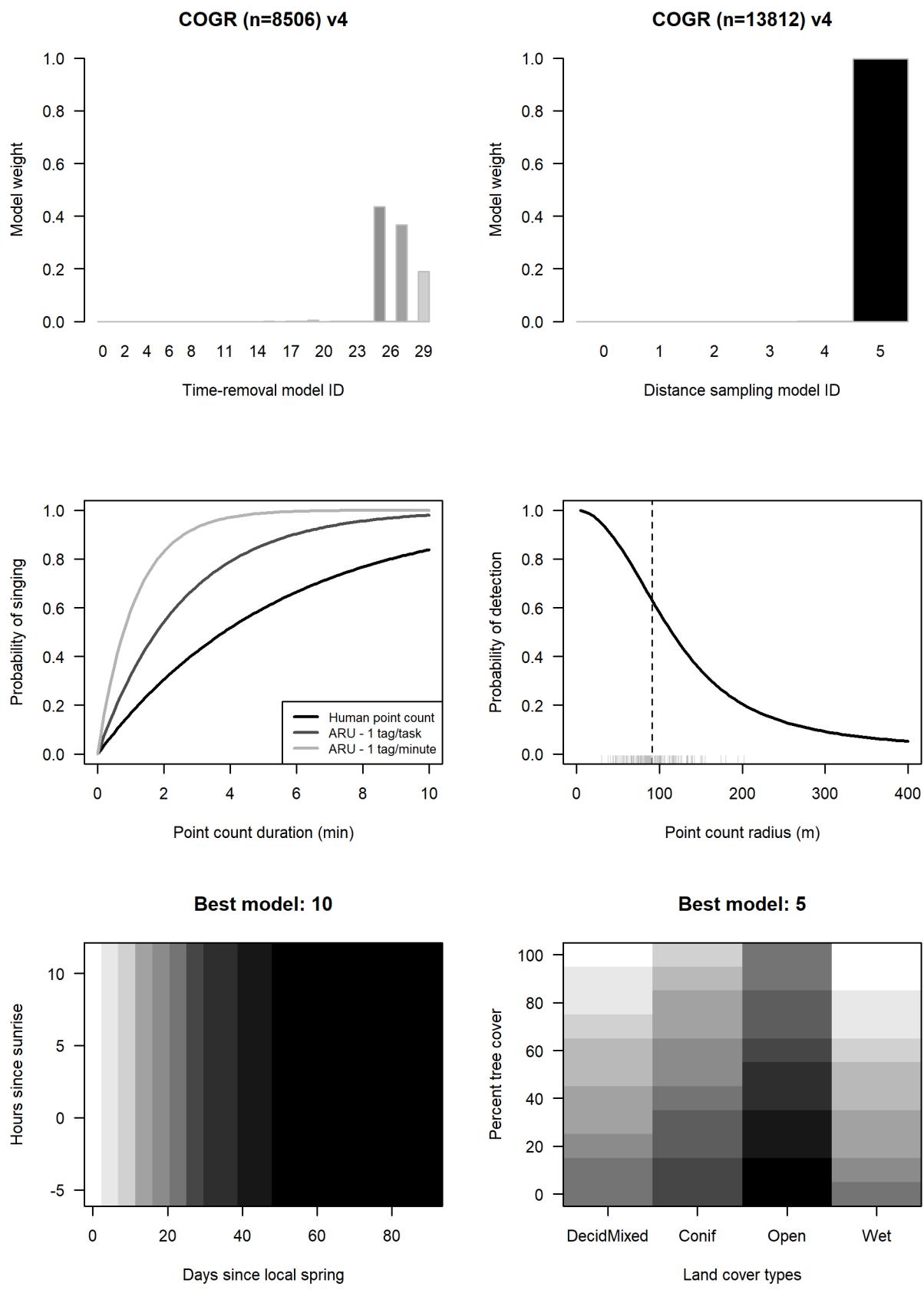


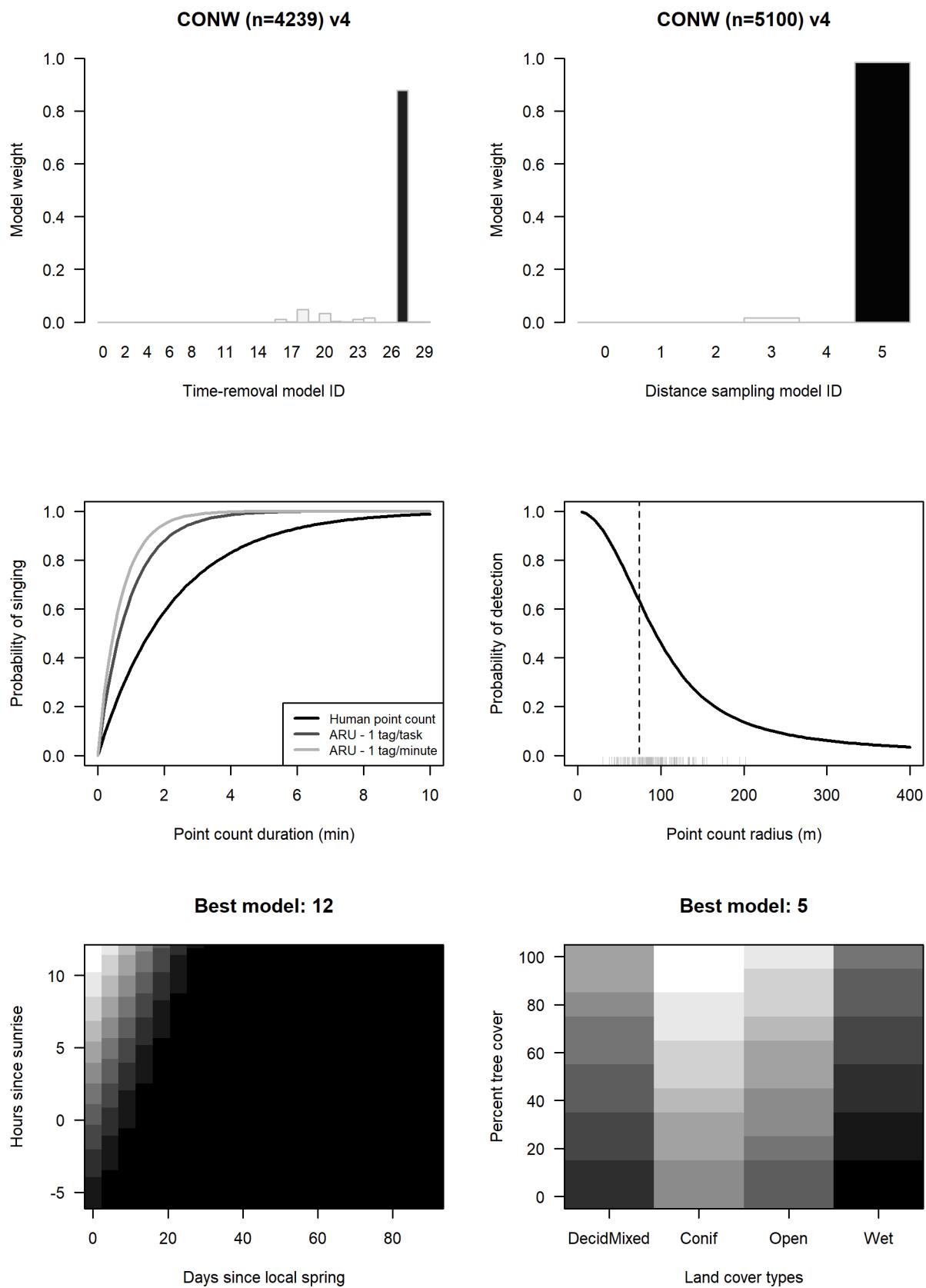


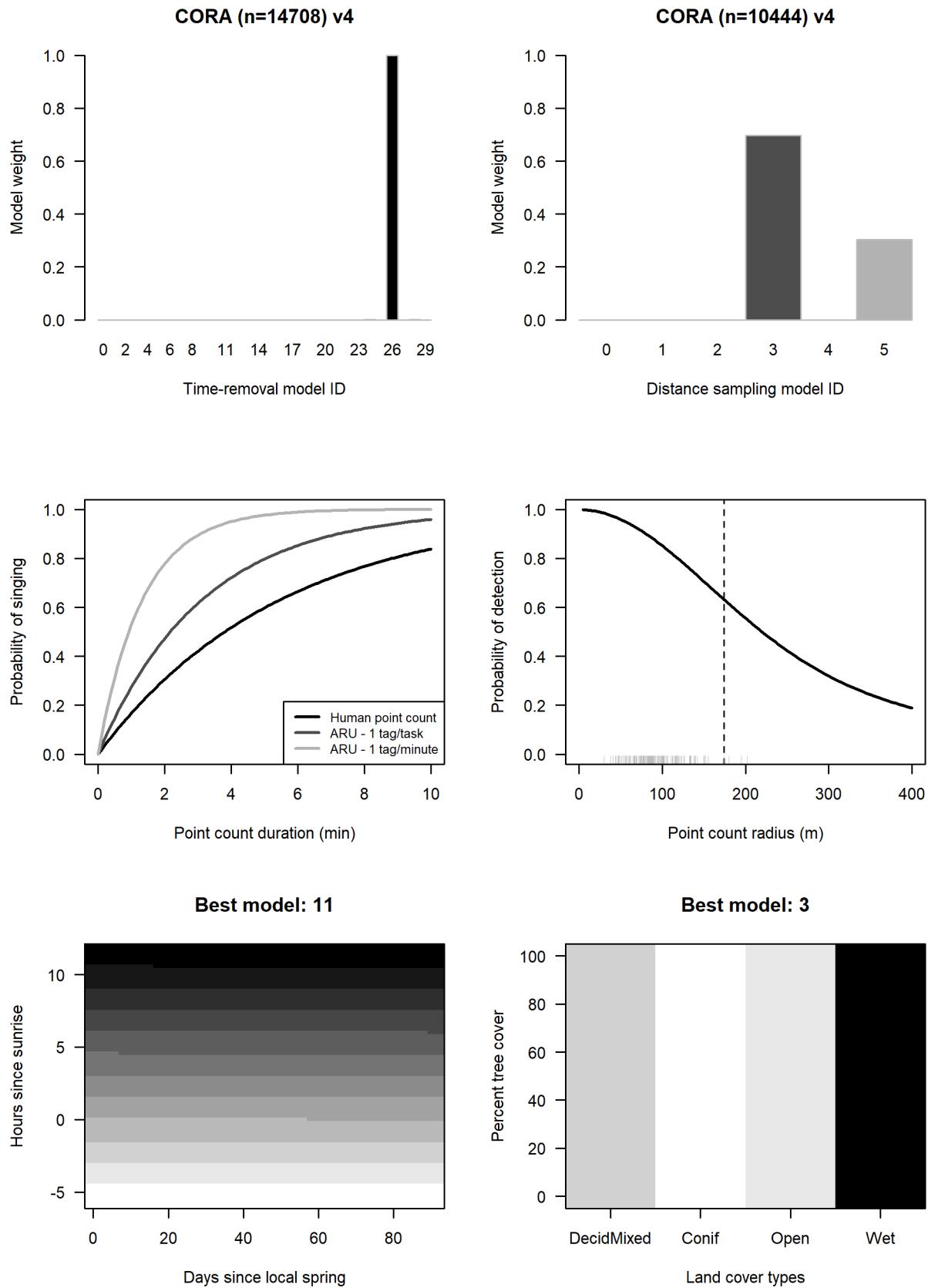


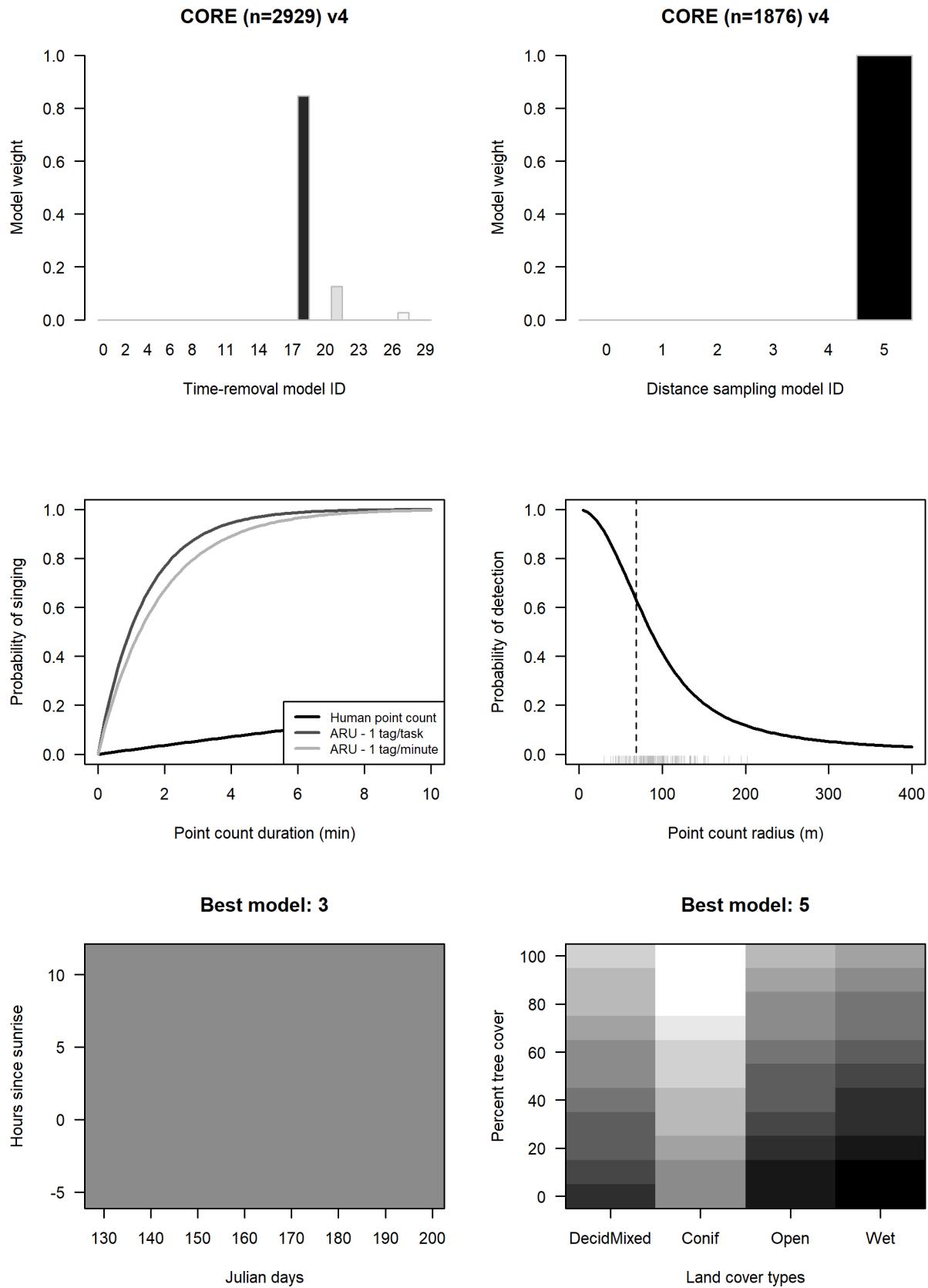


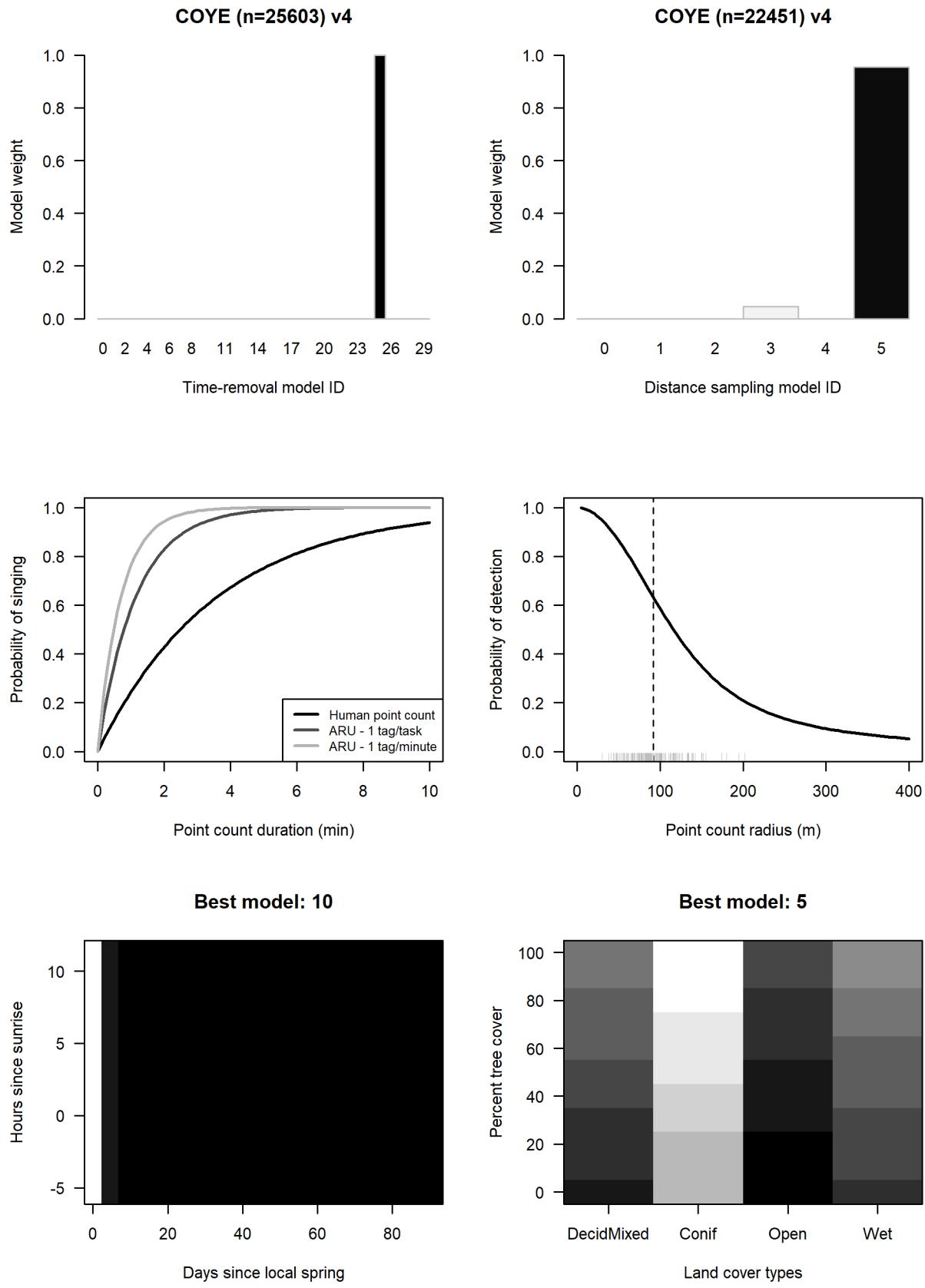


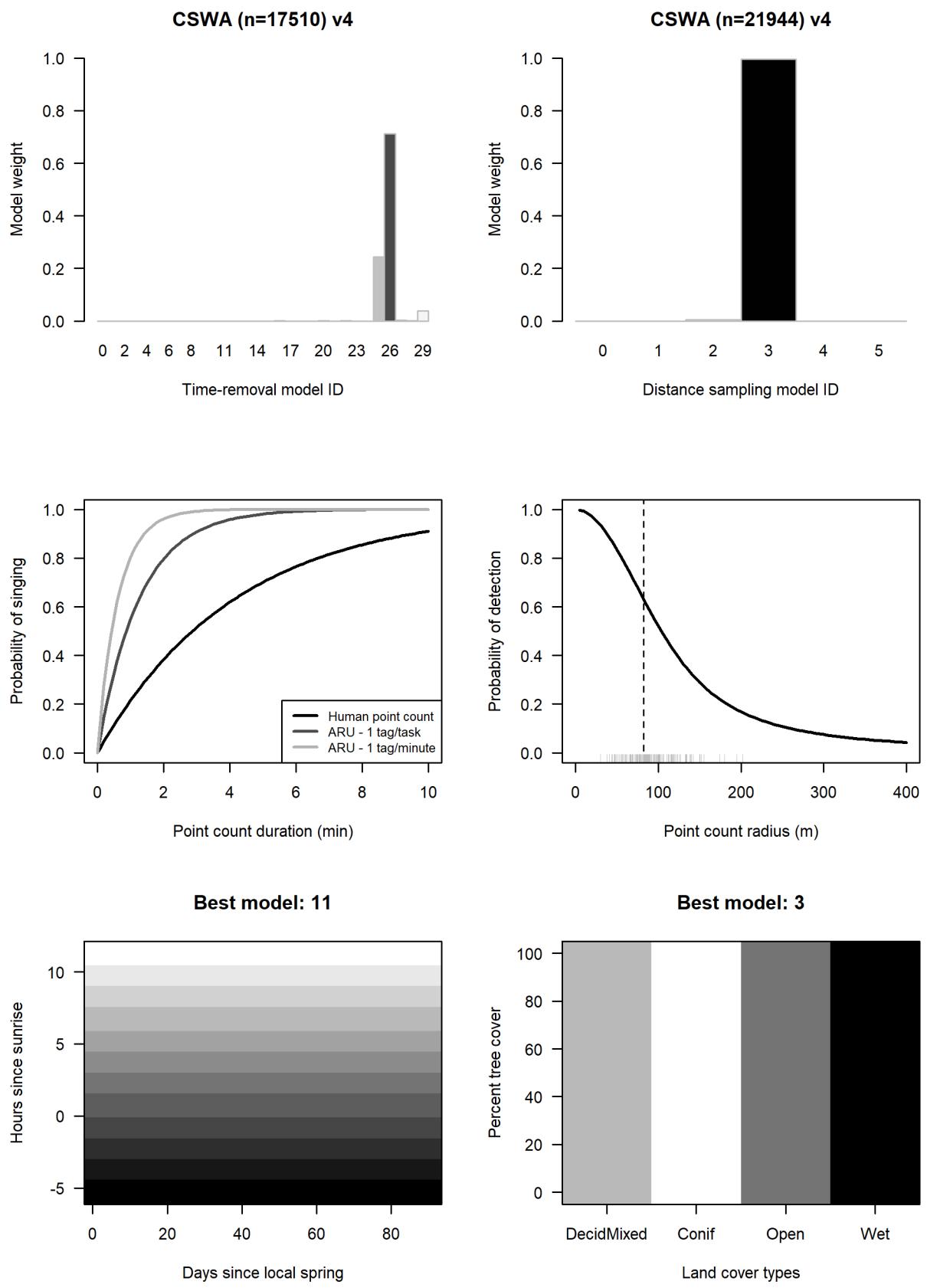




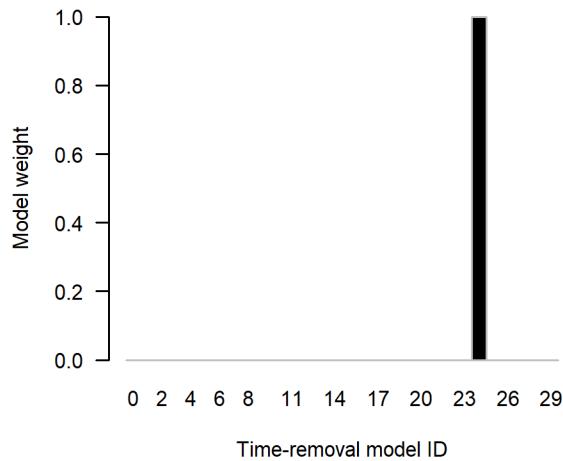




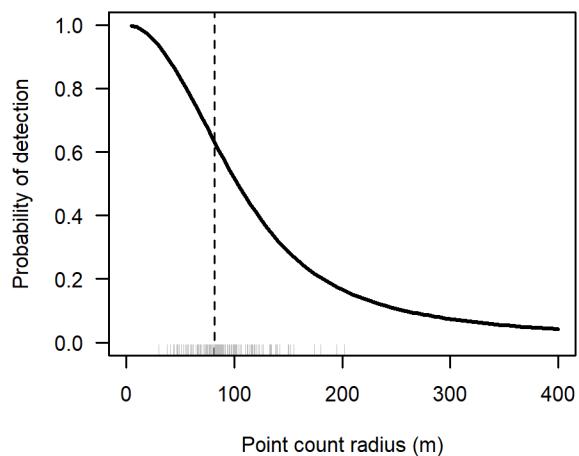
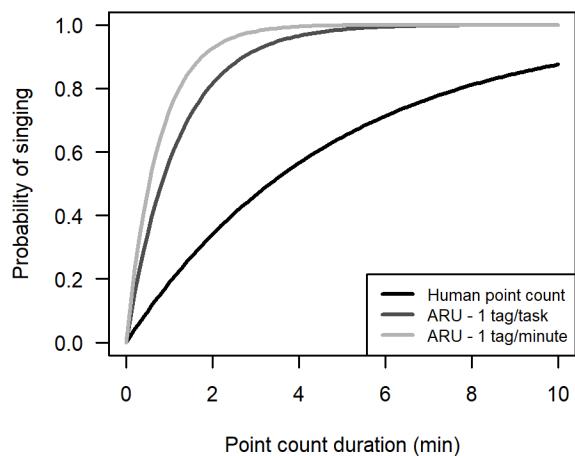
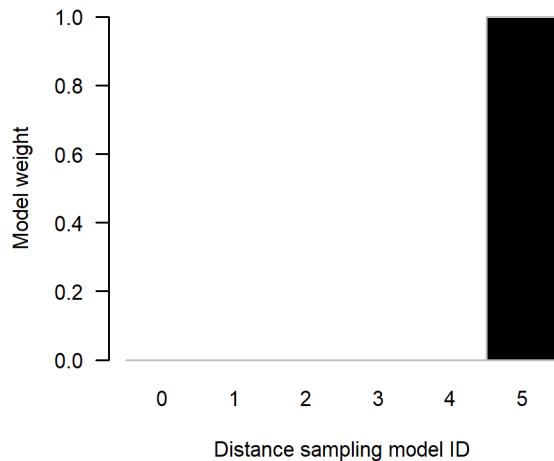




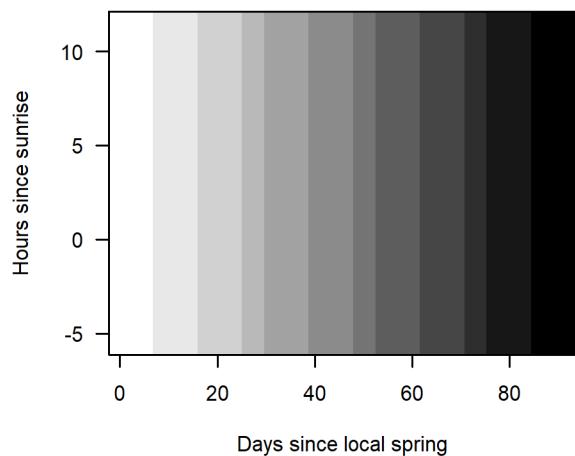
DEJU (n=27427) v4



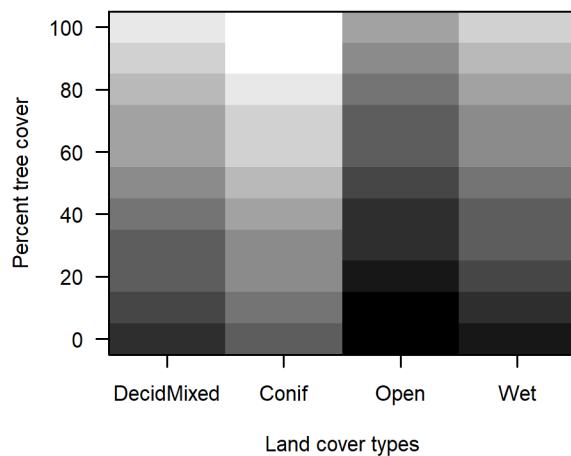
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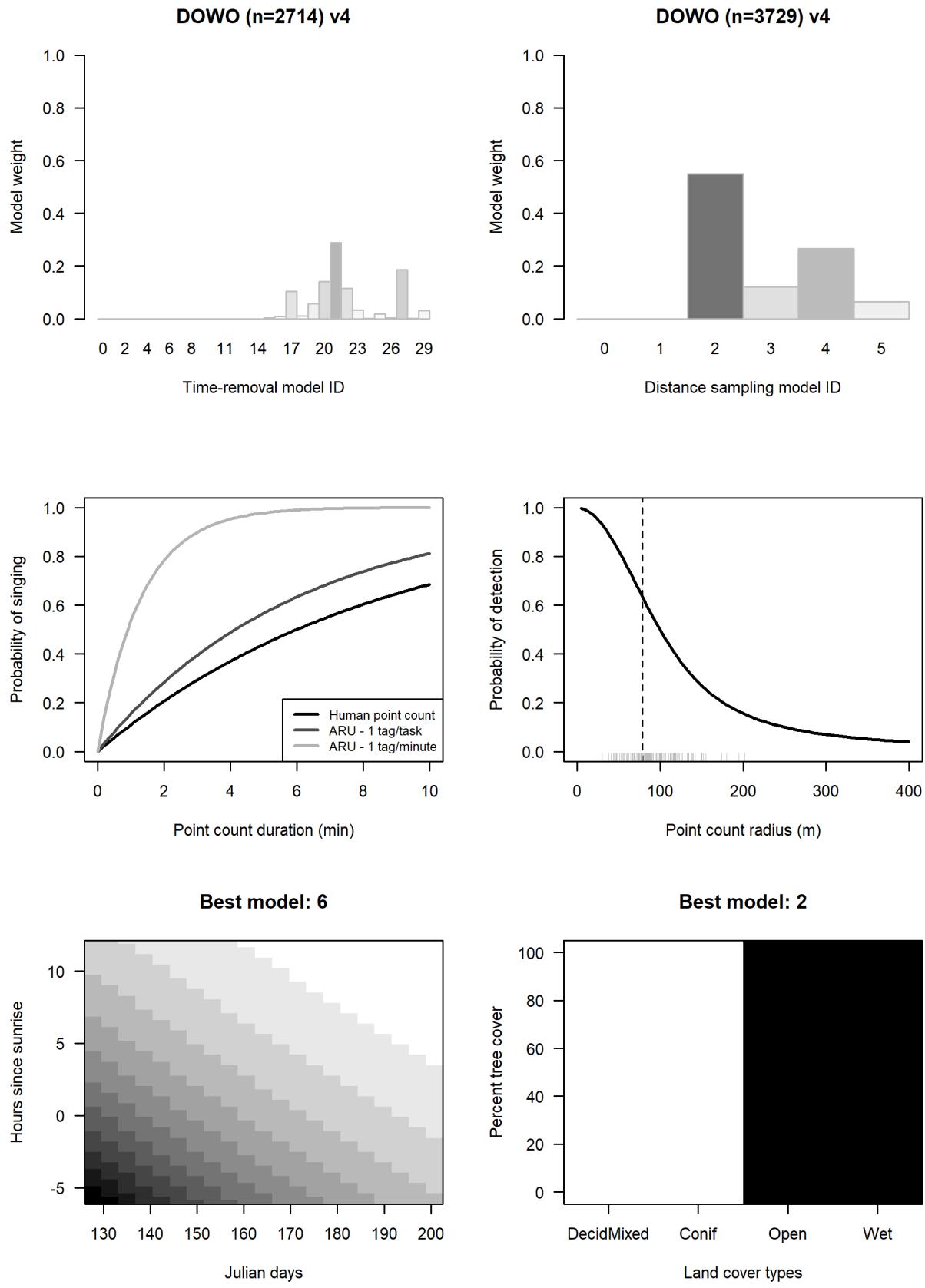


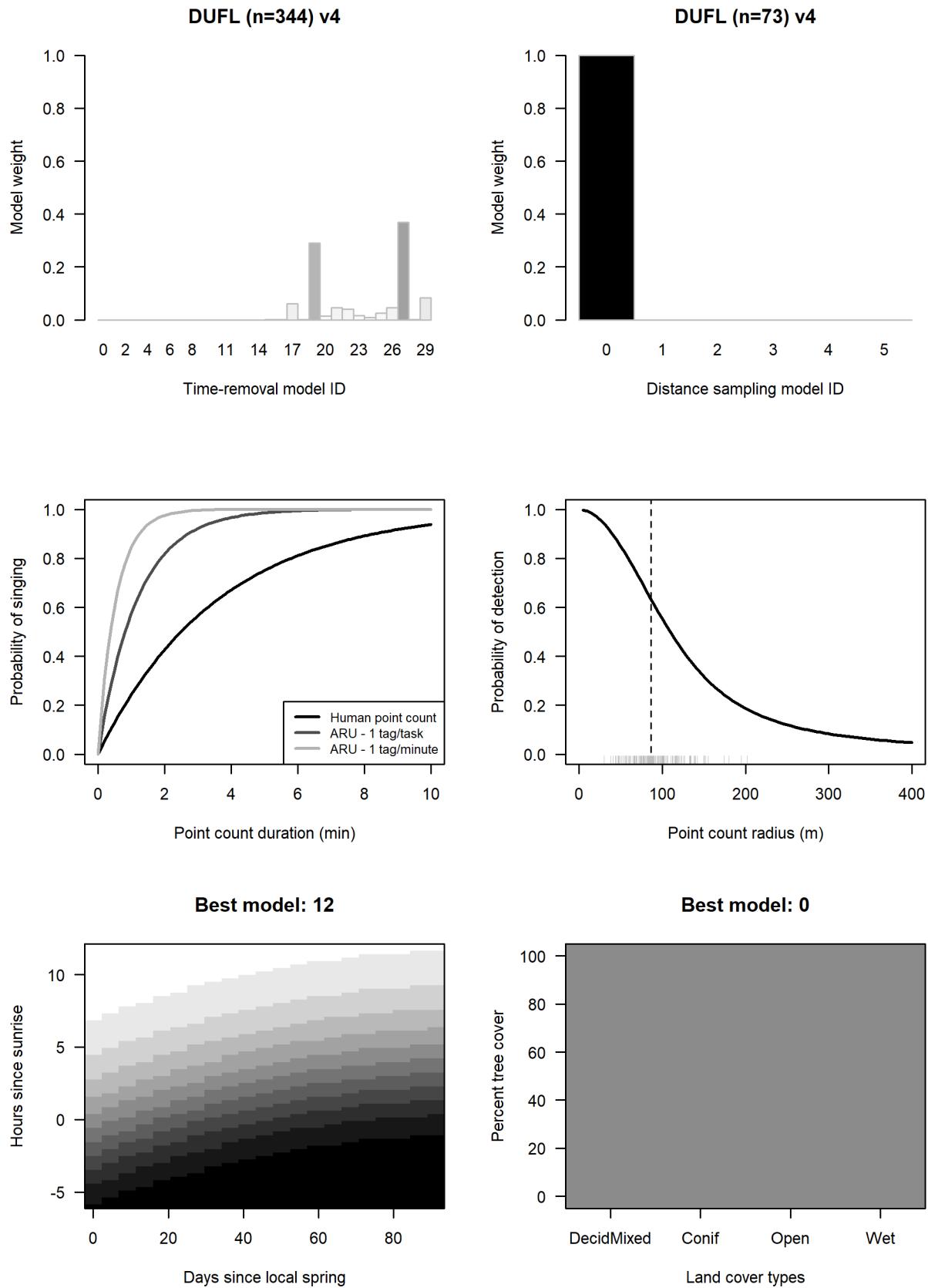
Best model: 9

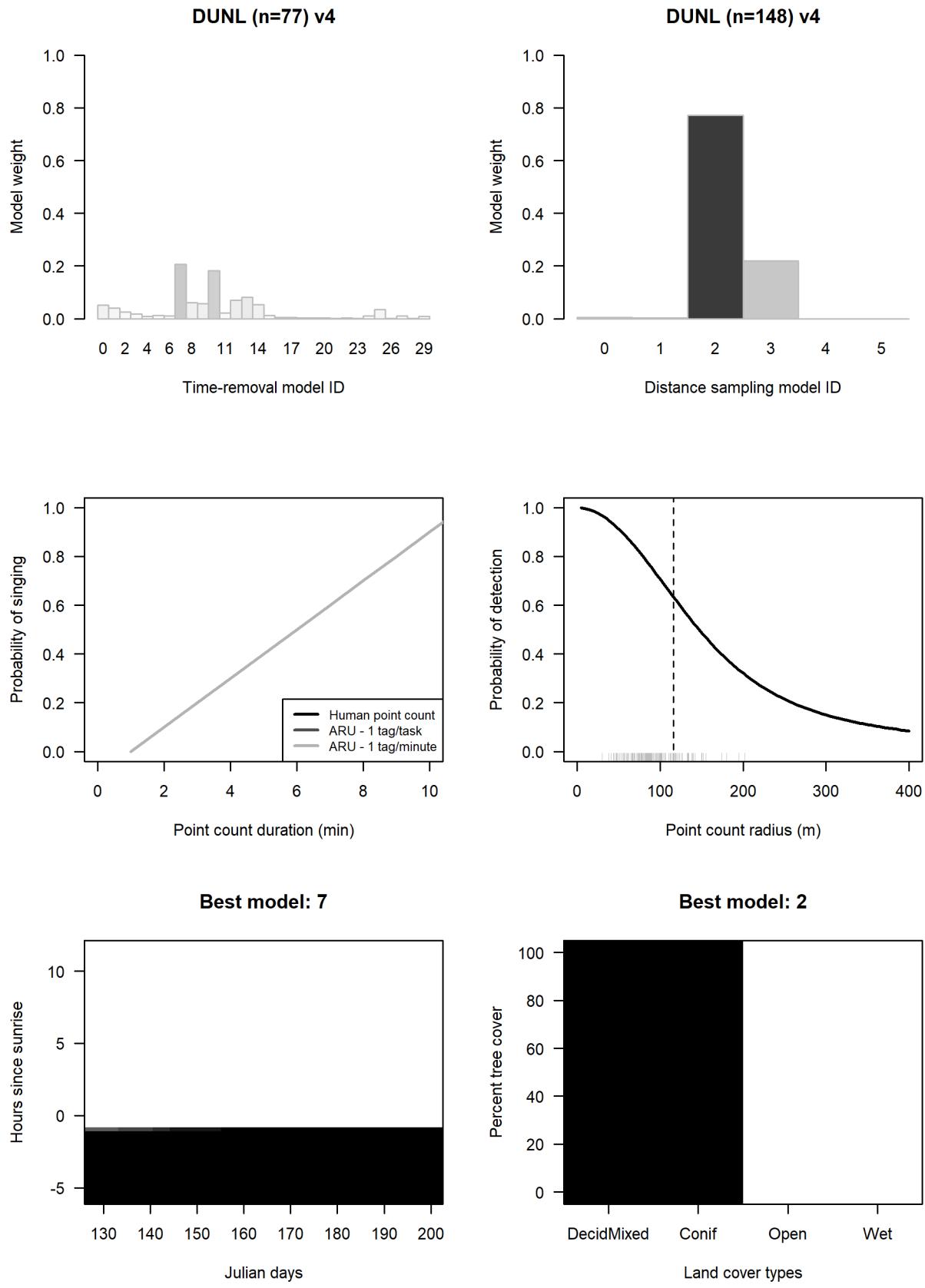


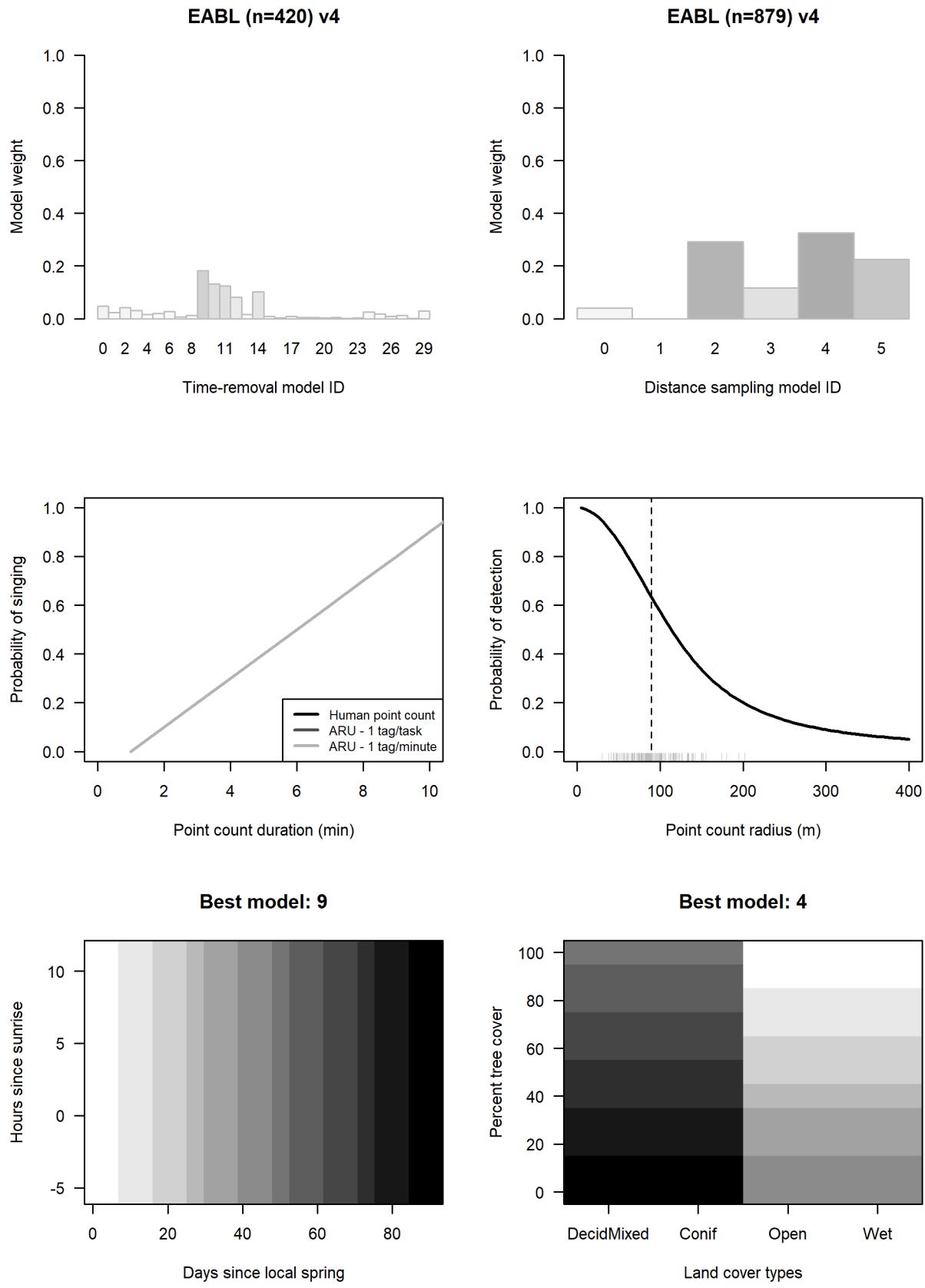
Best model: 5

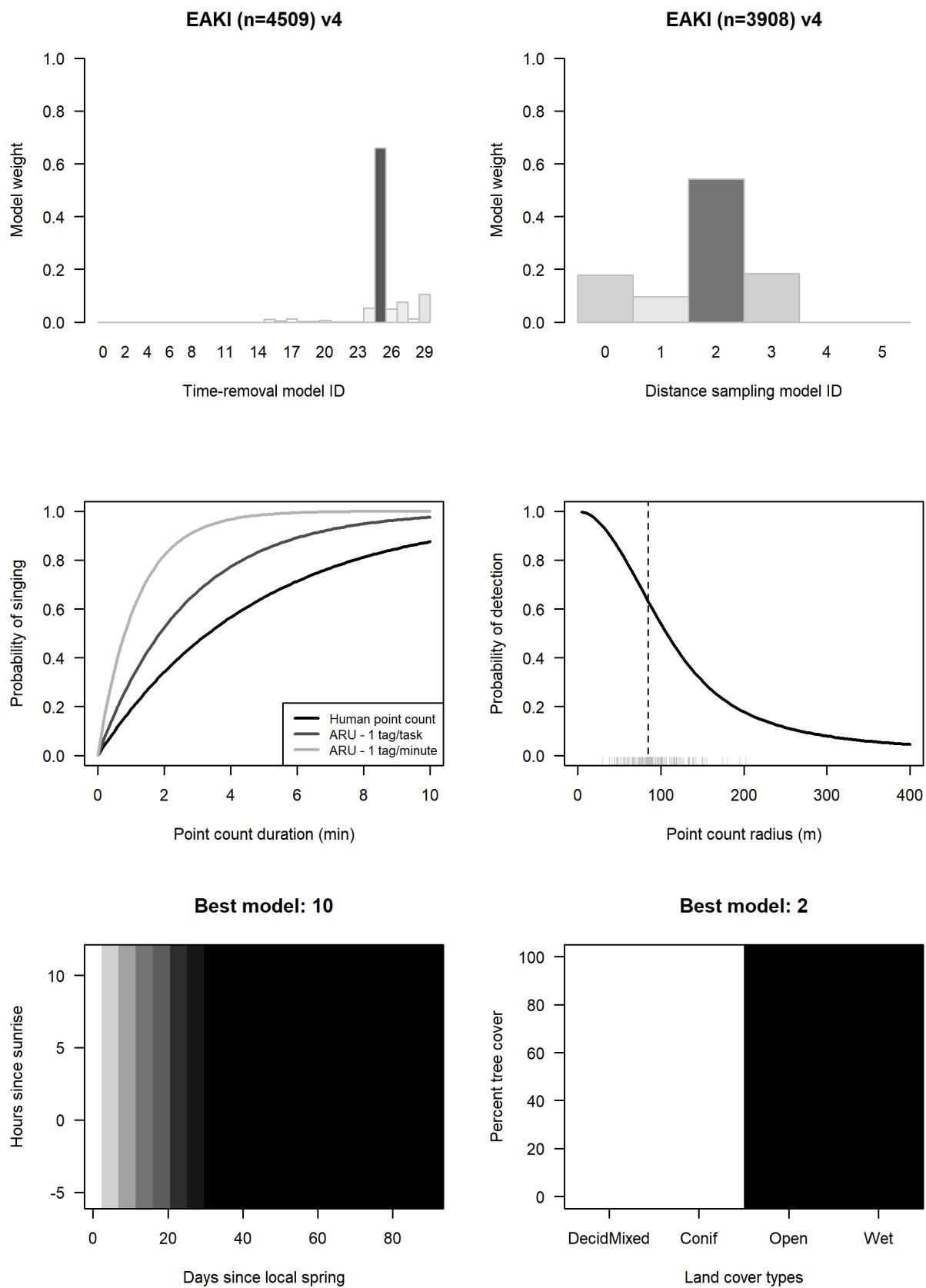


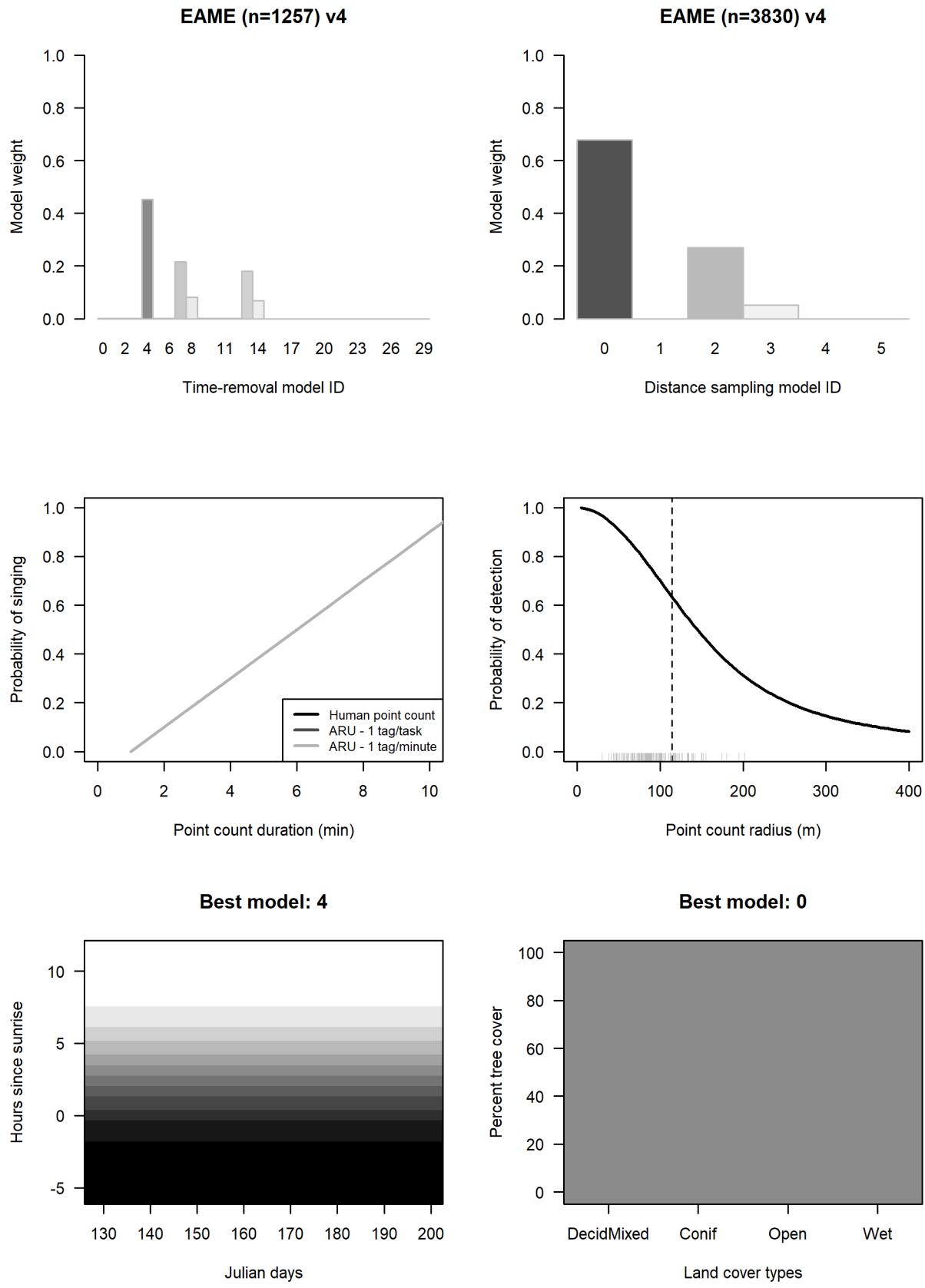


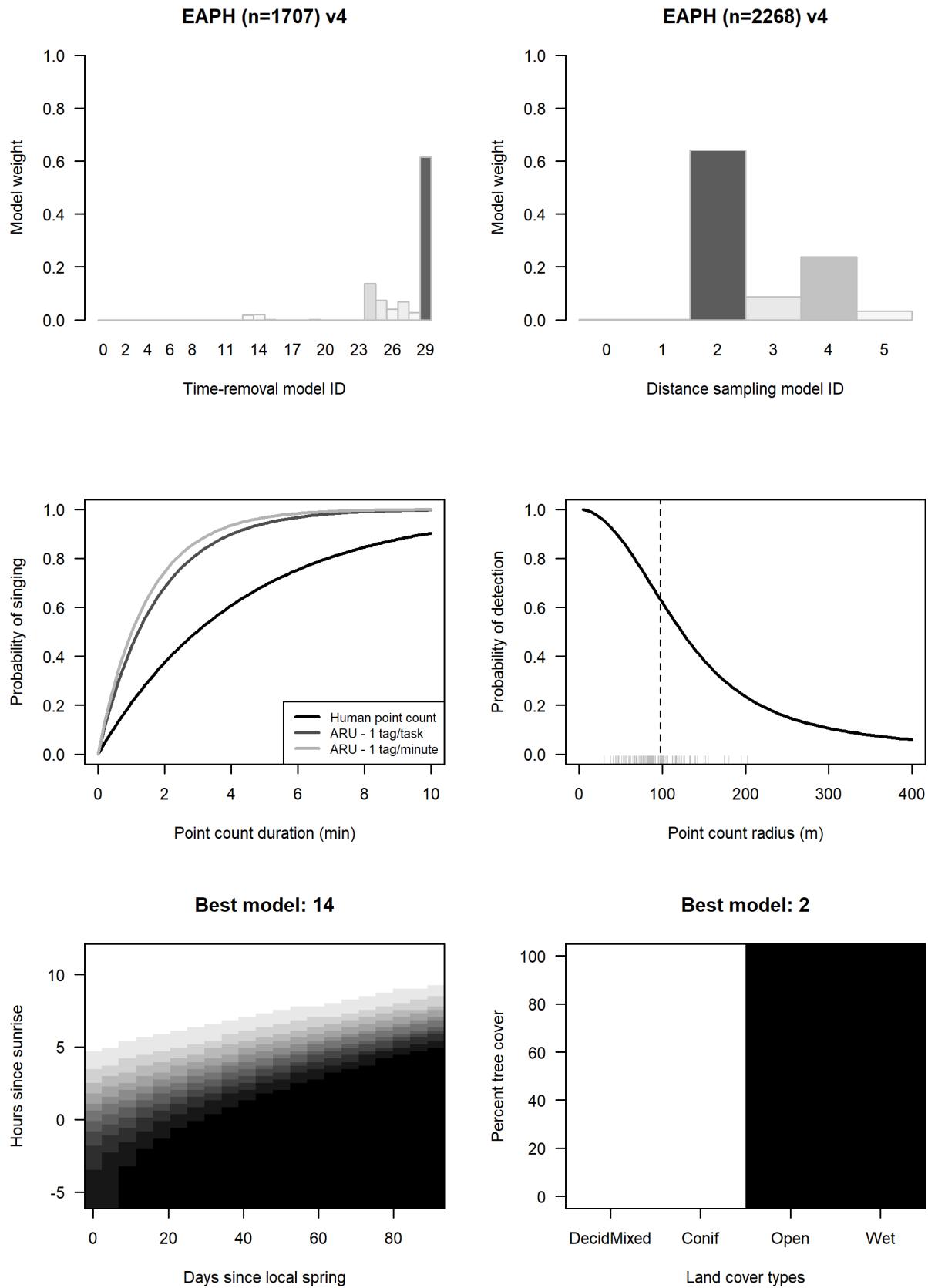


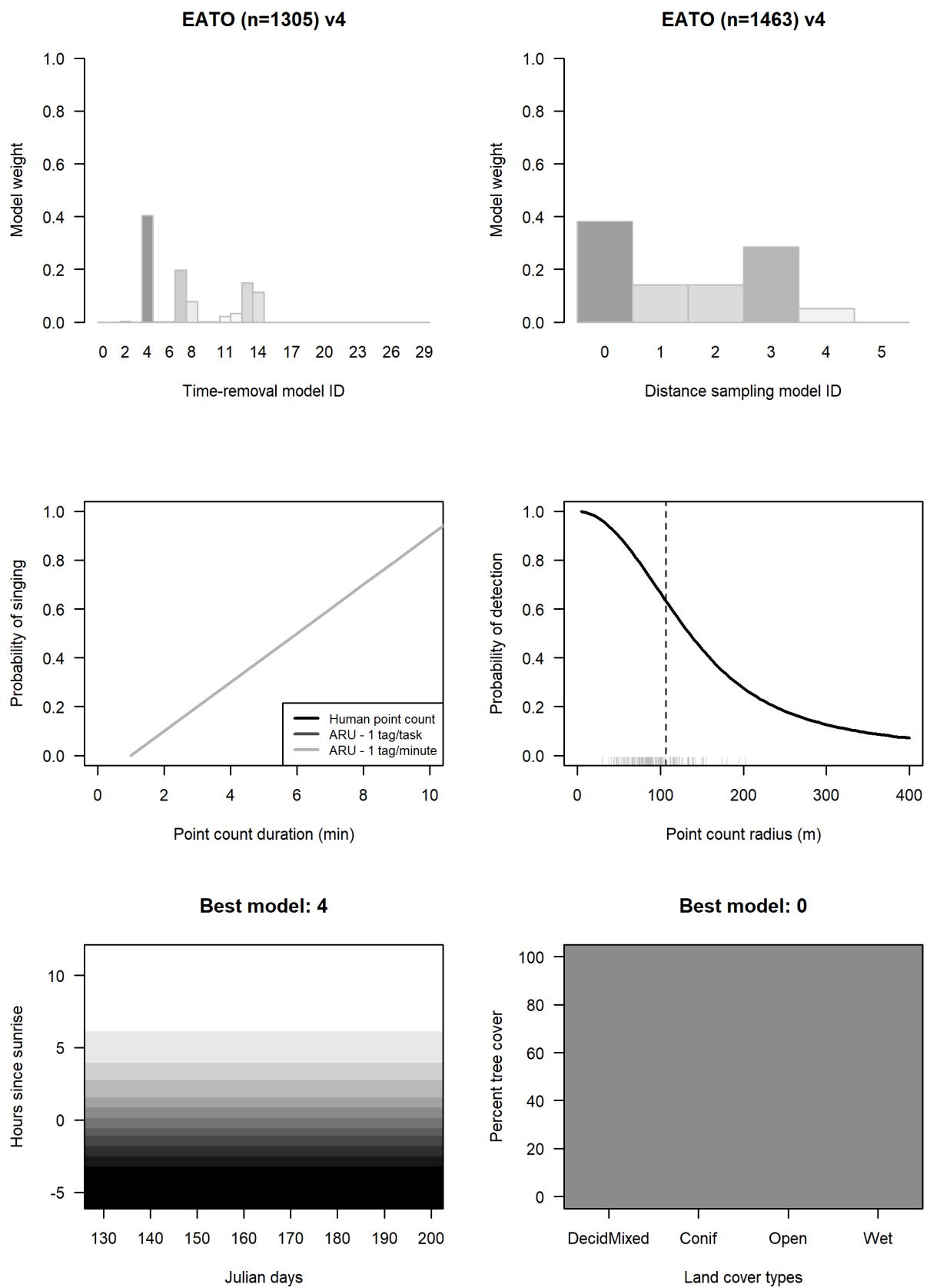


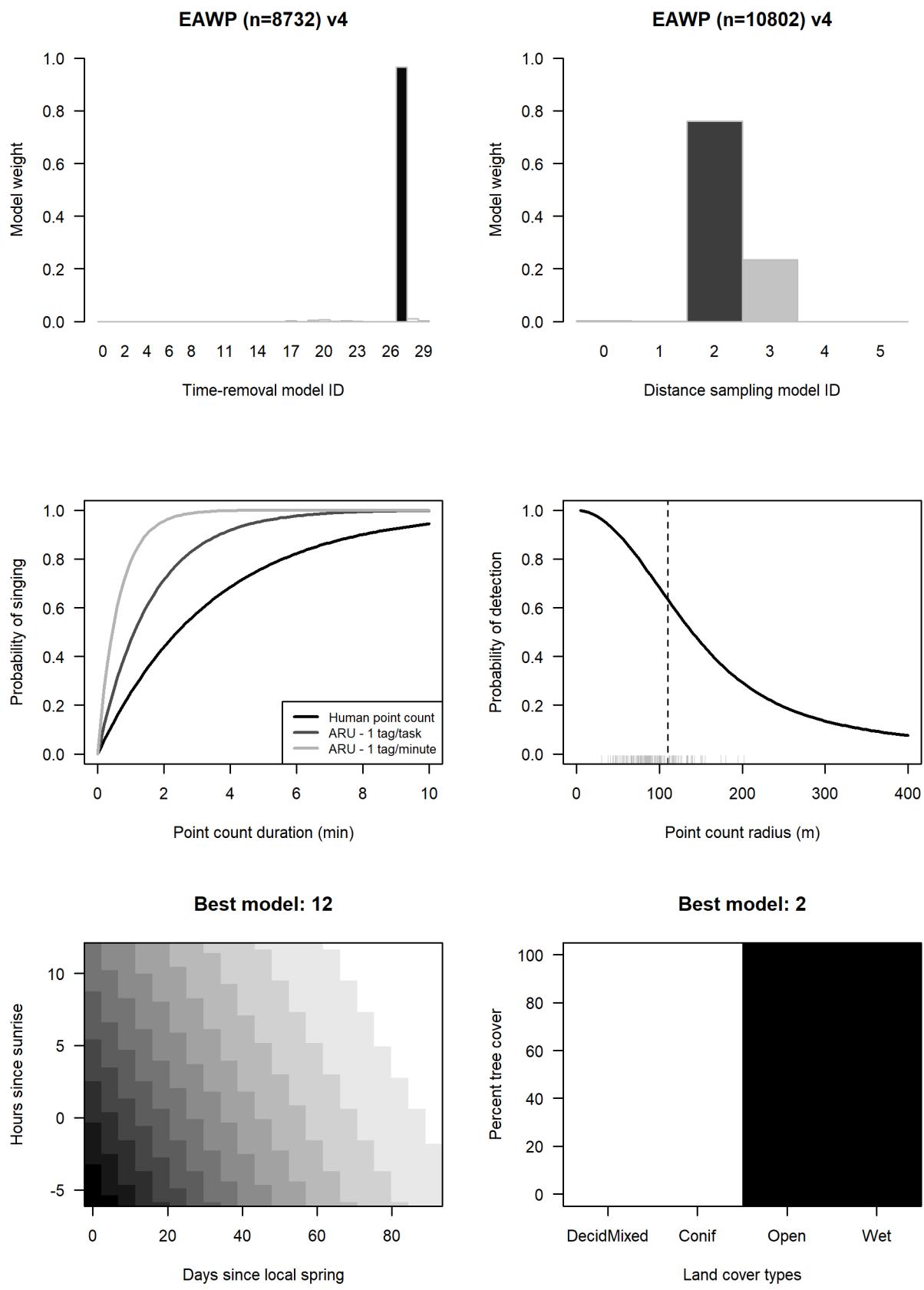


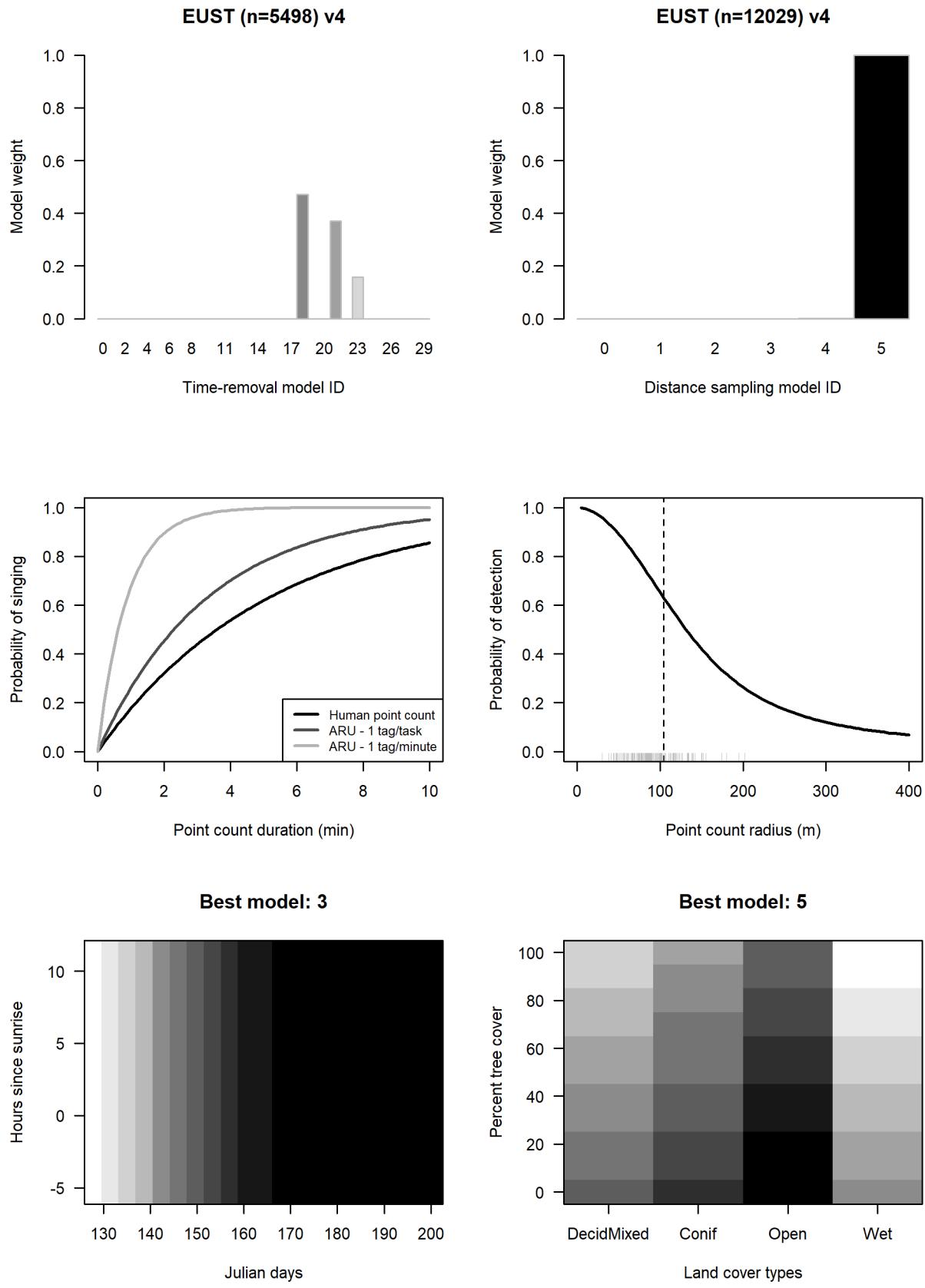


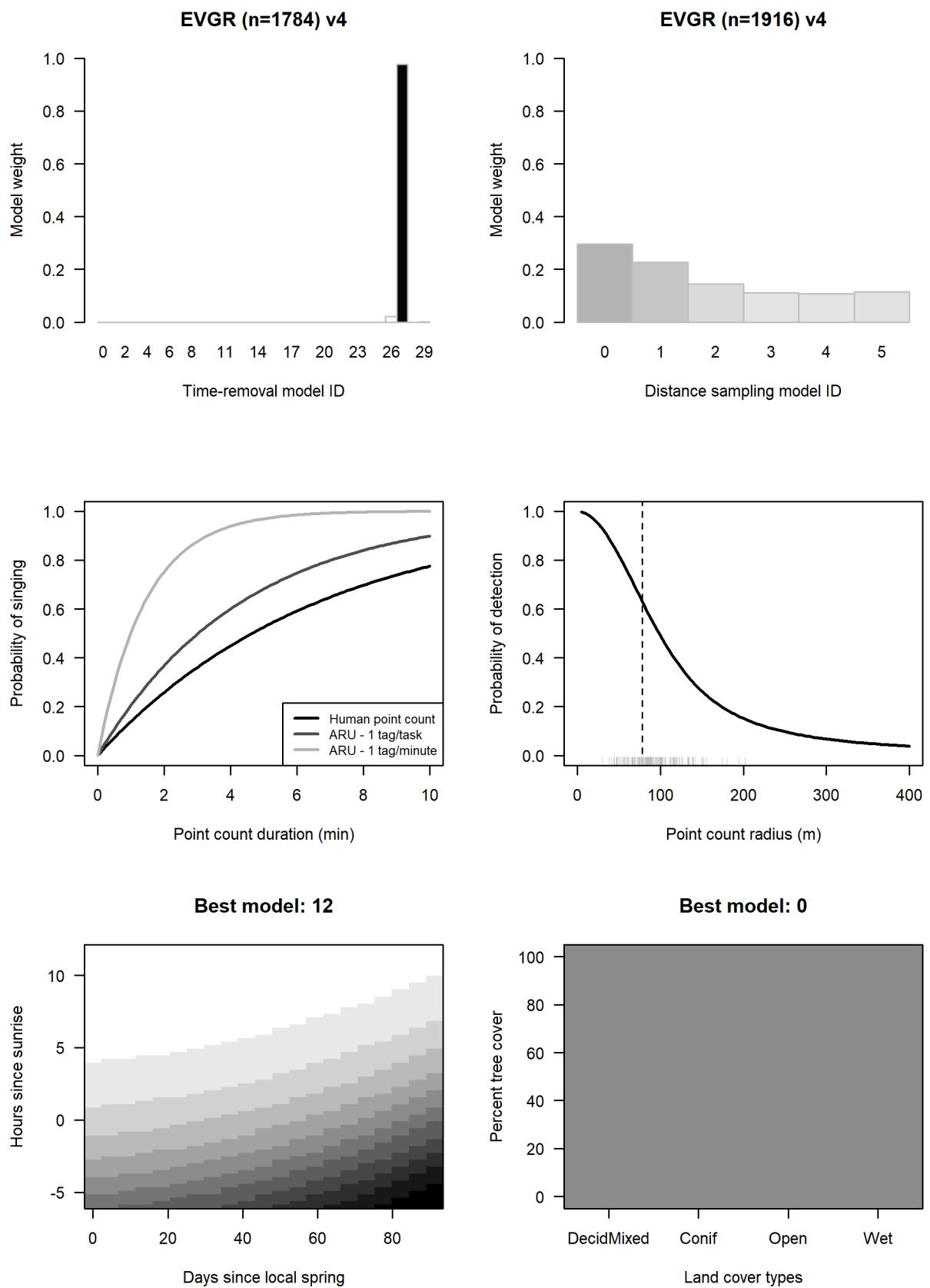


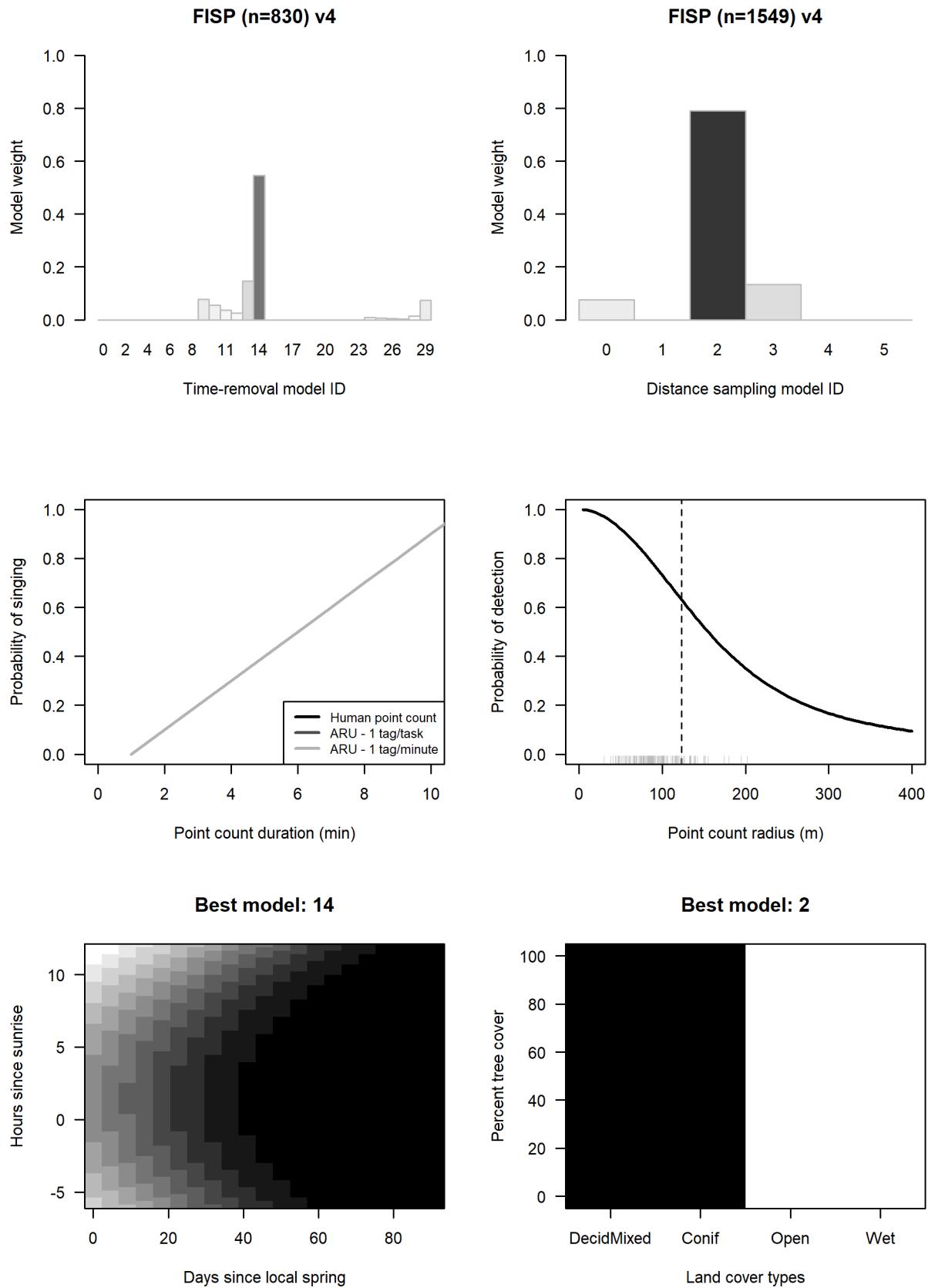


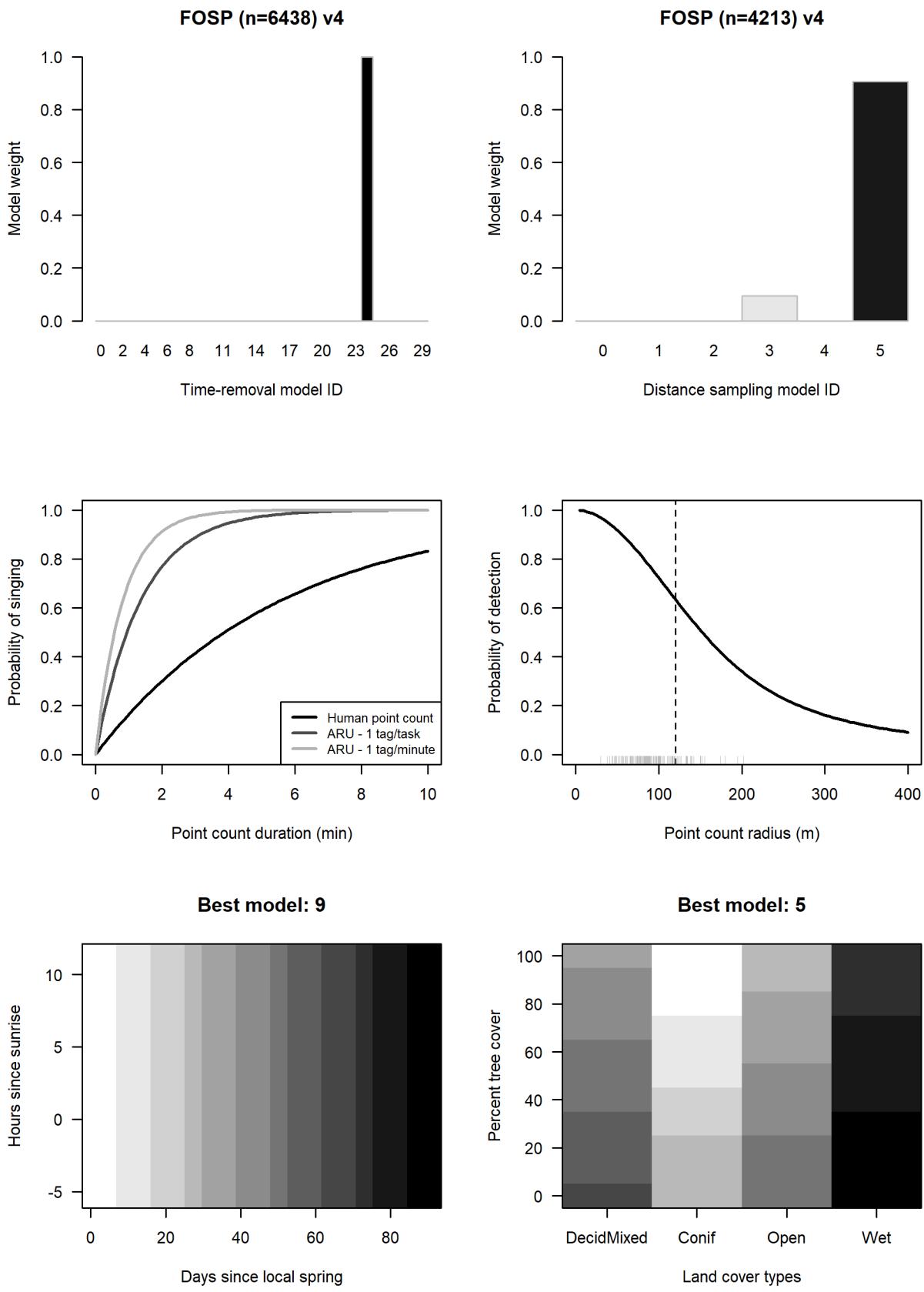


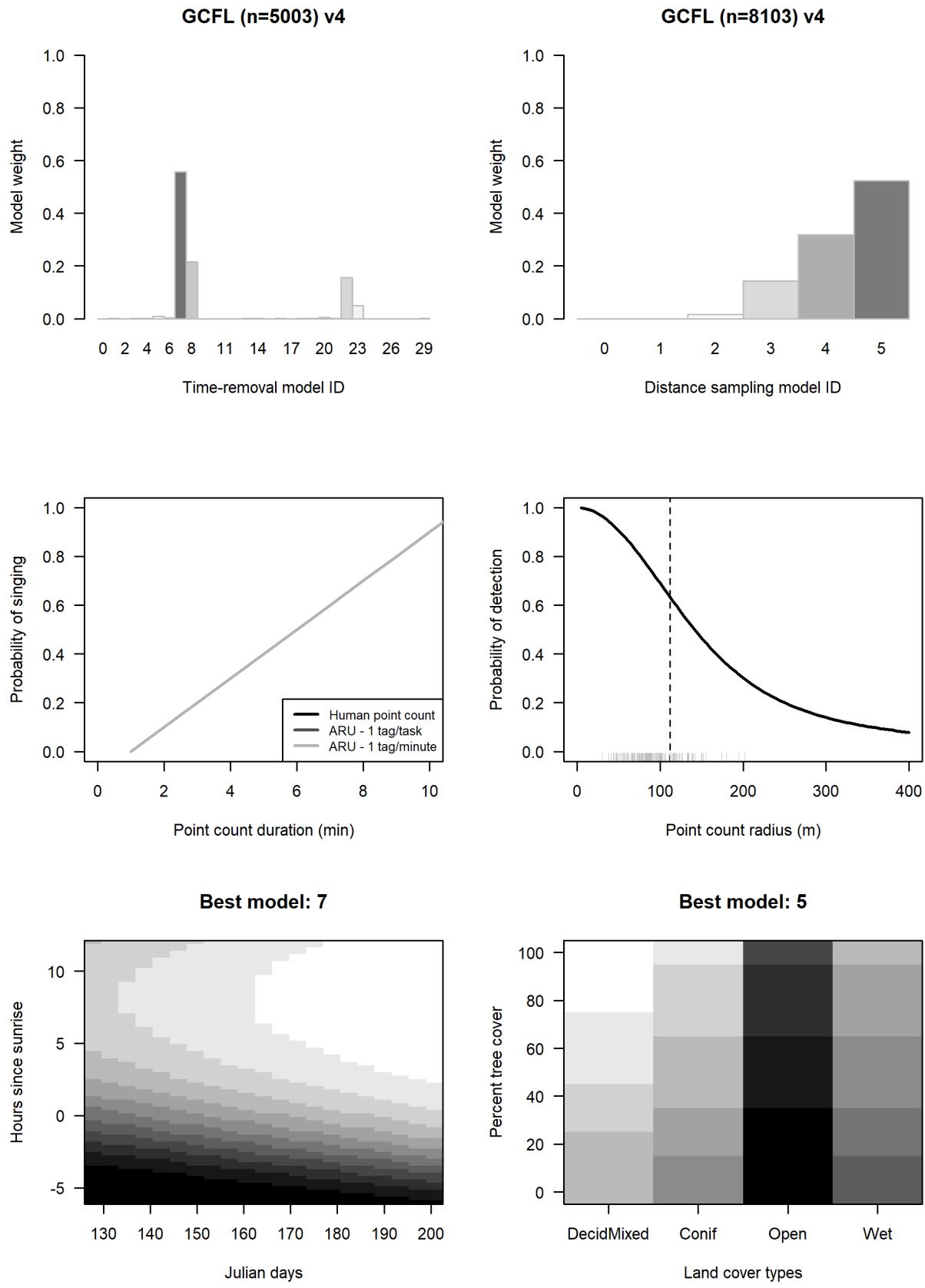


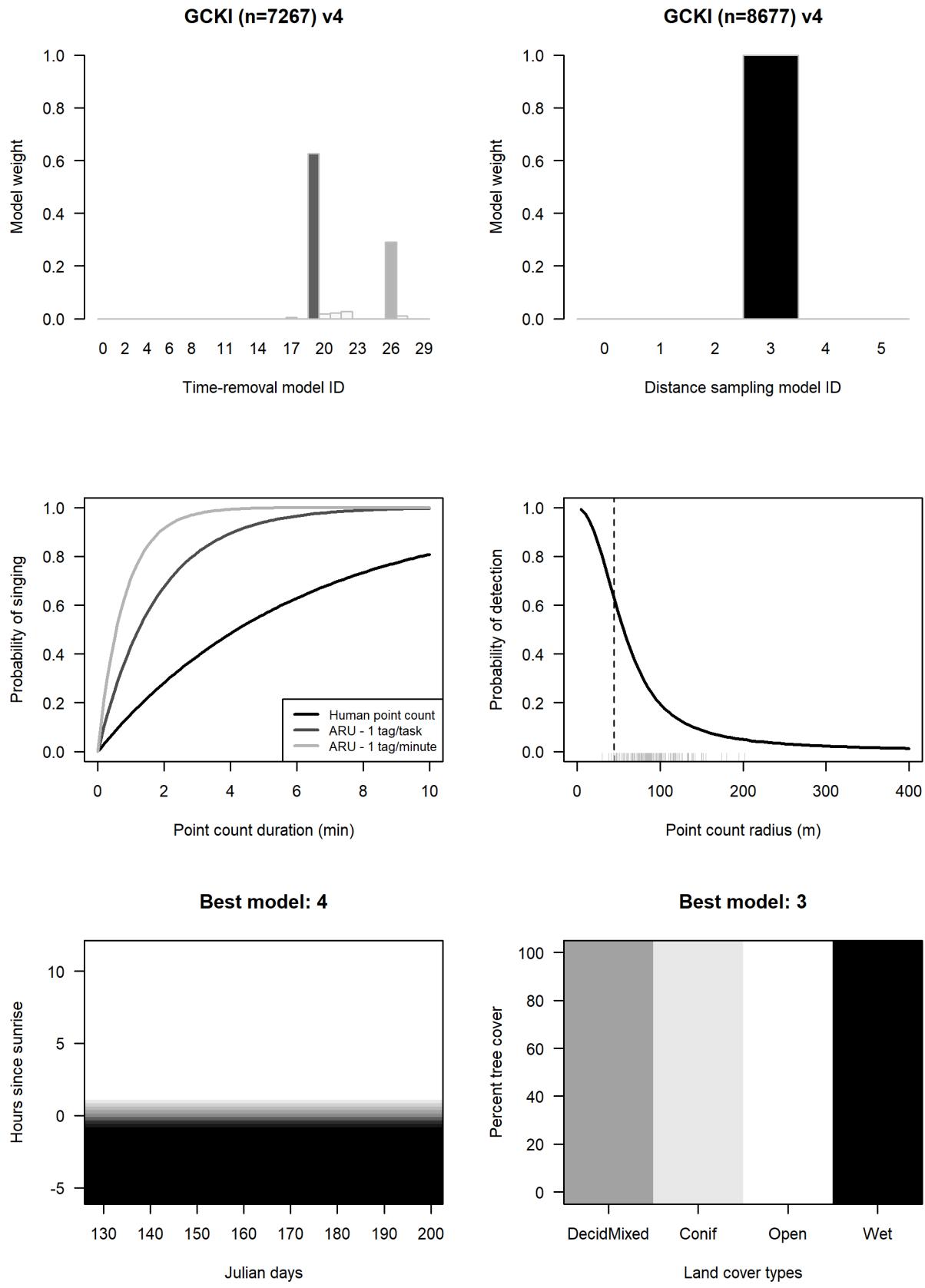


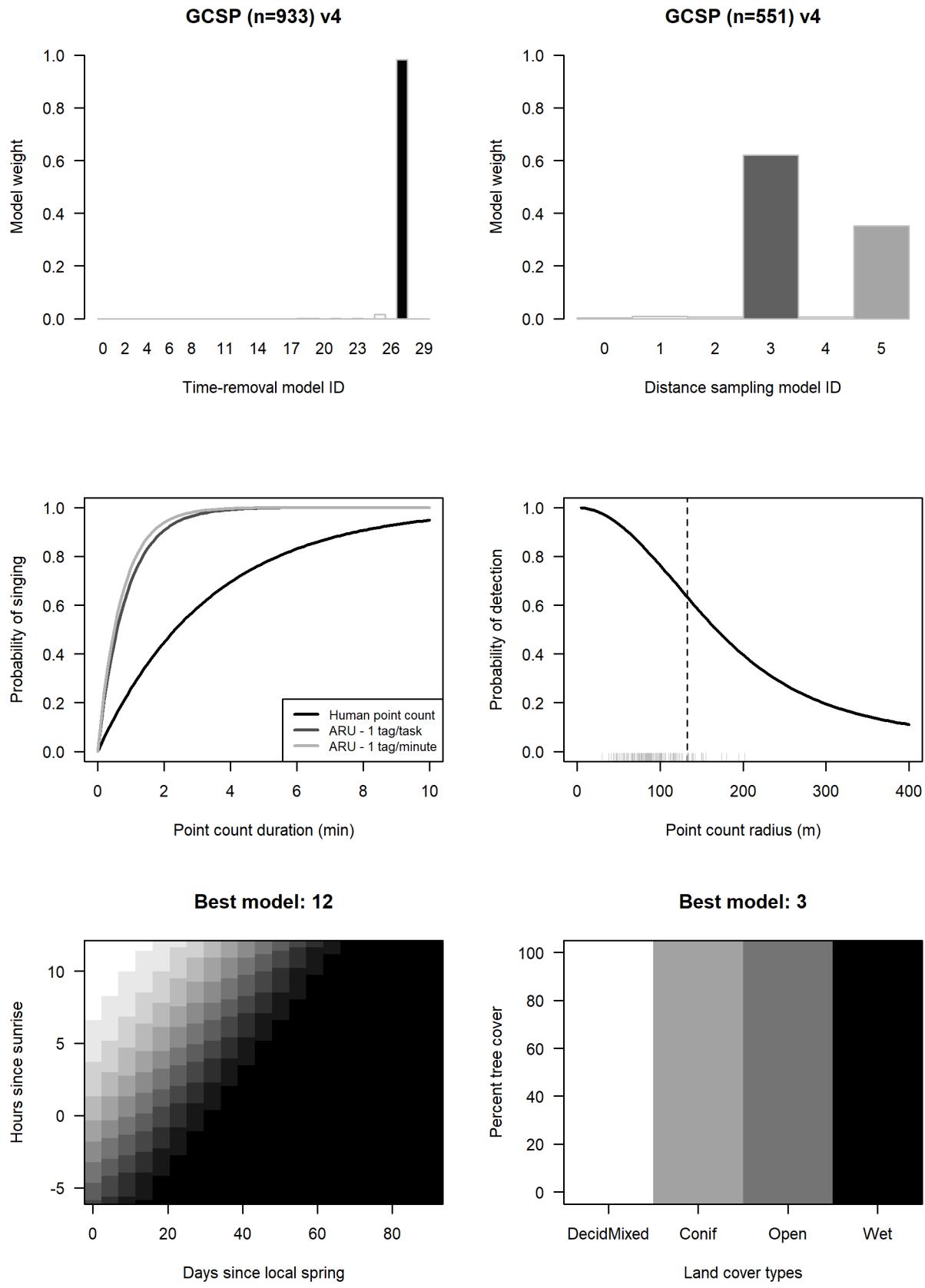


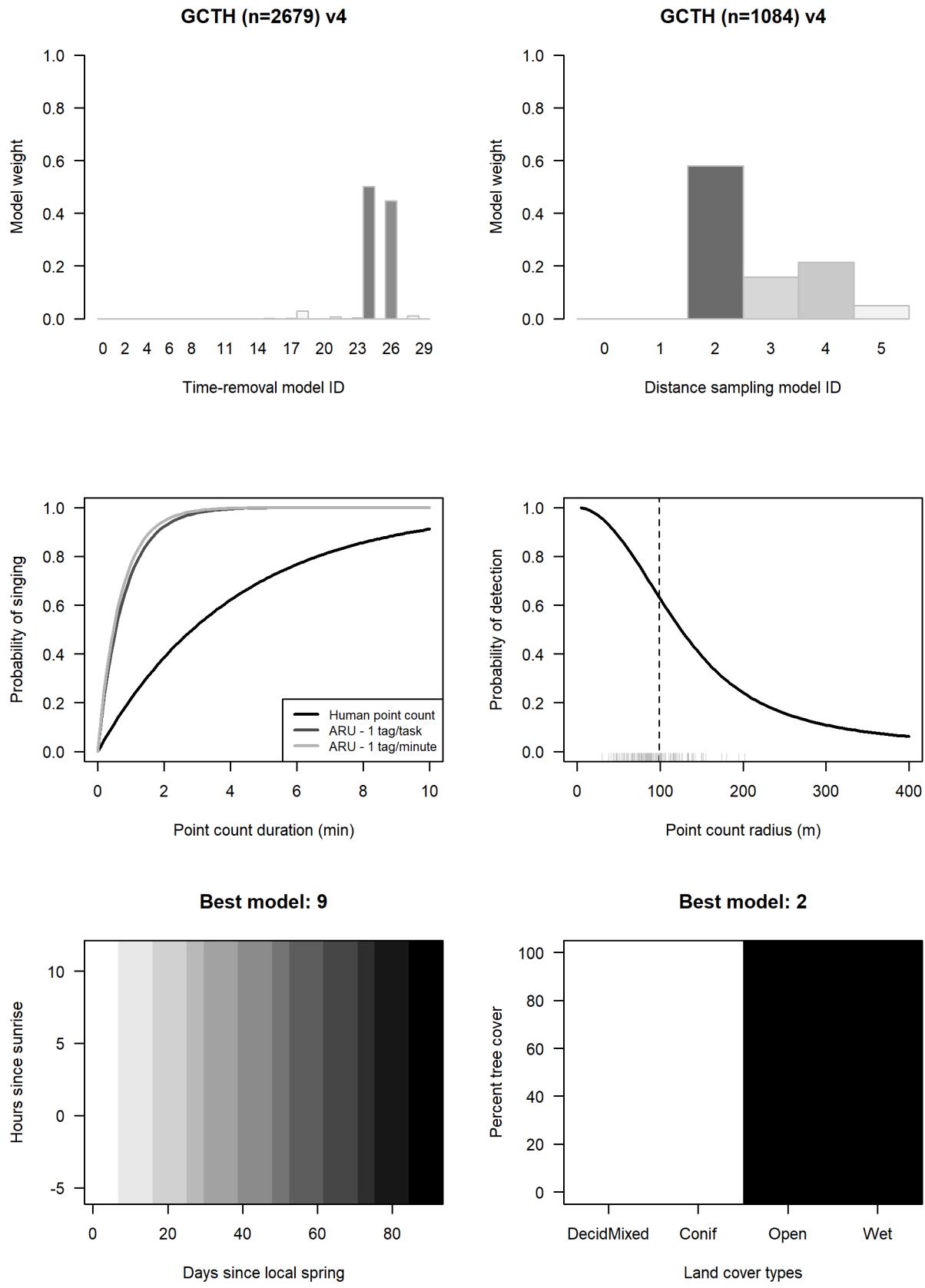


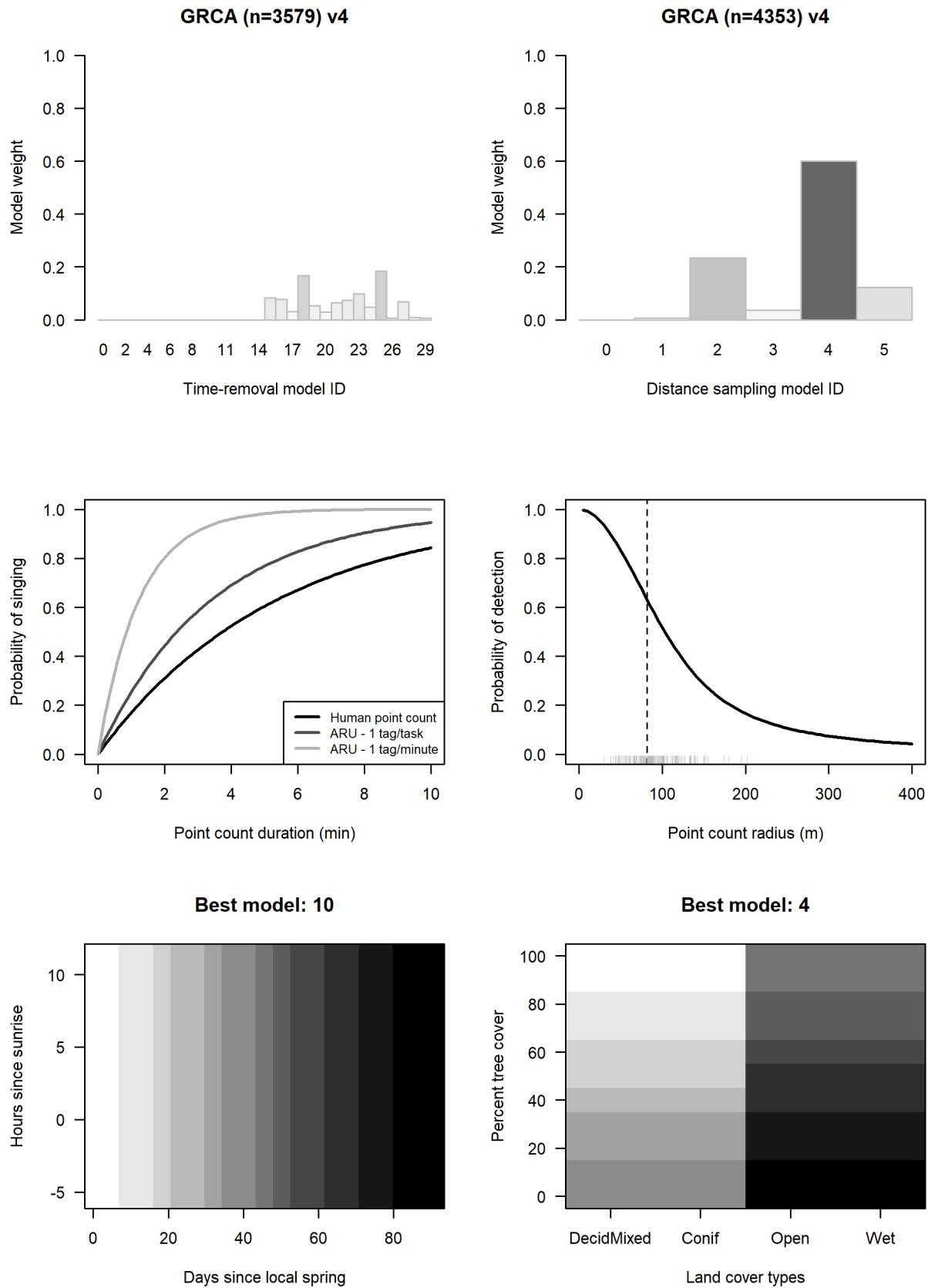


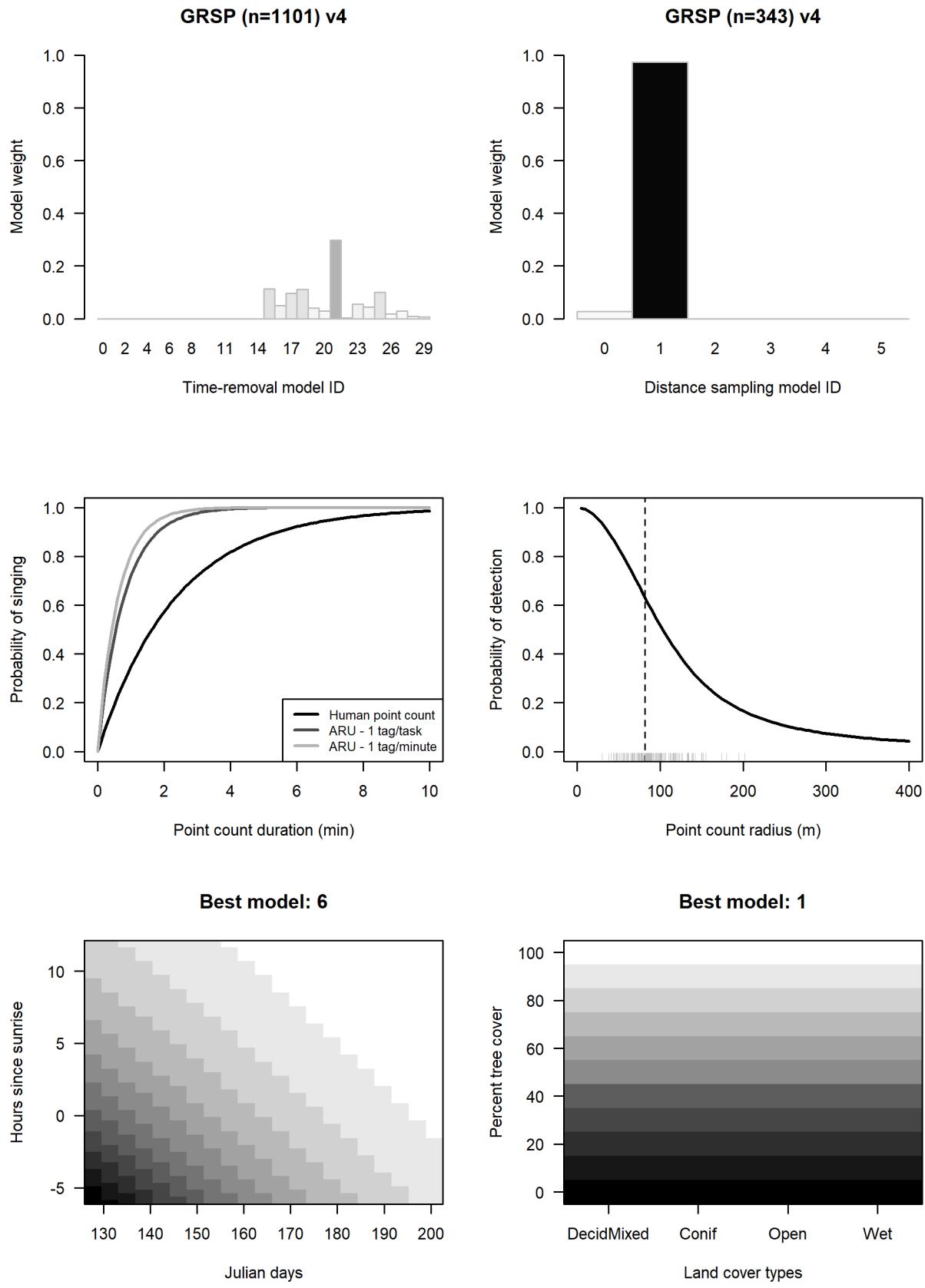


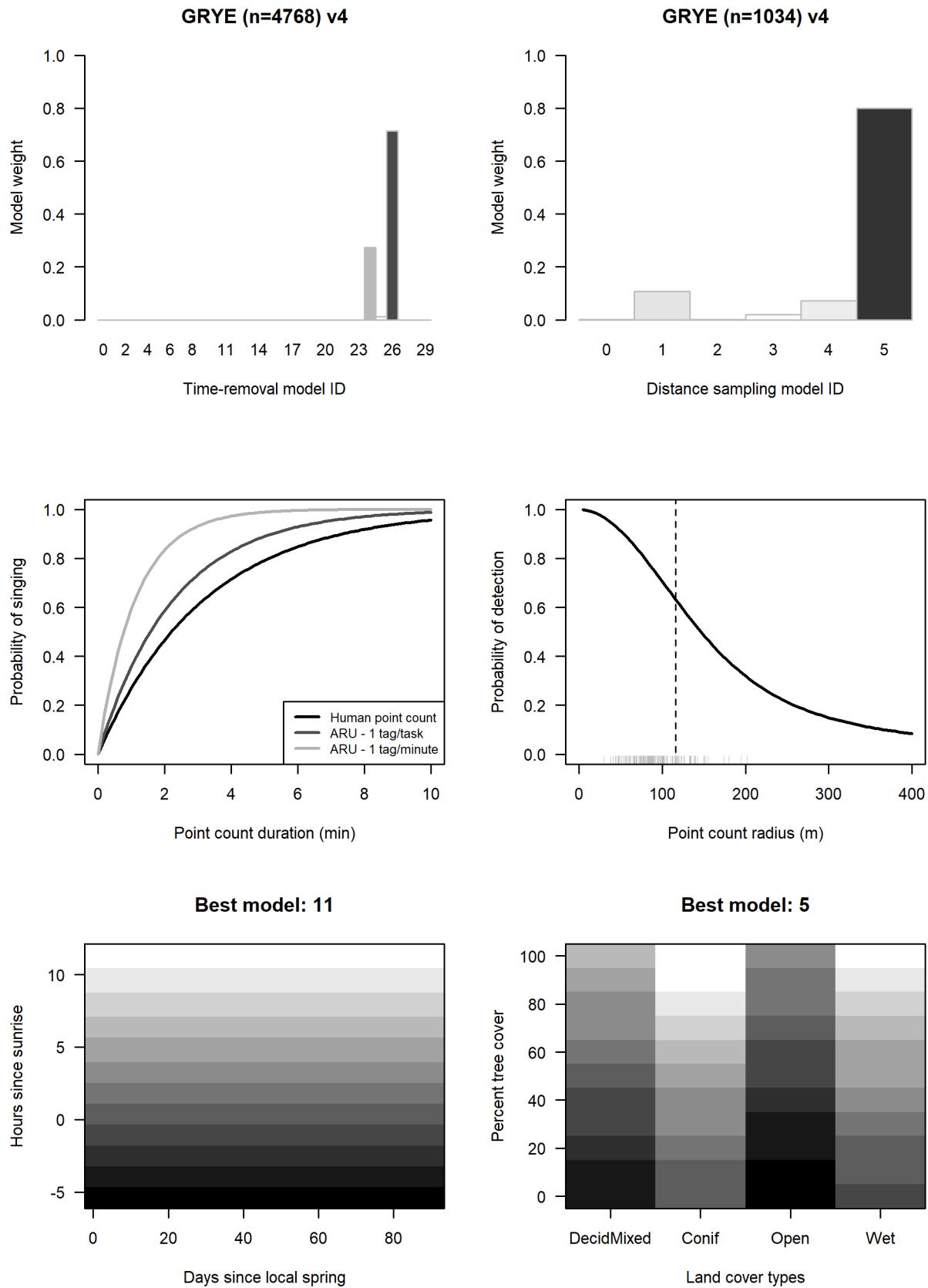


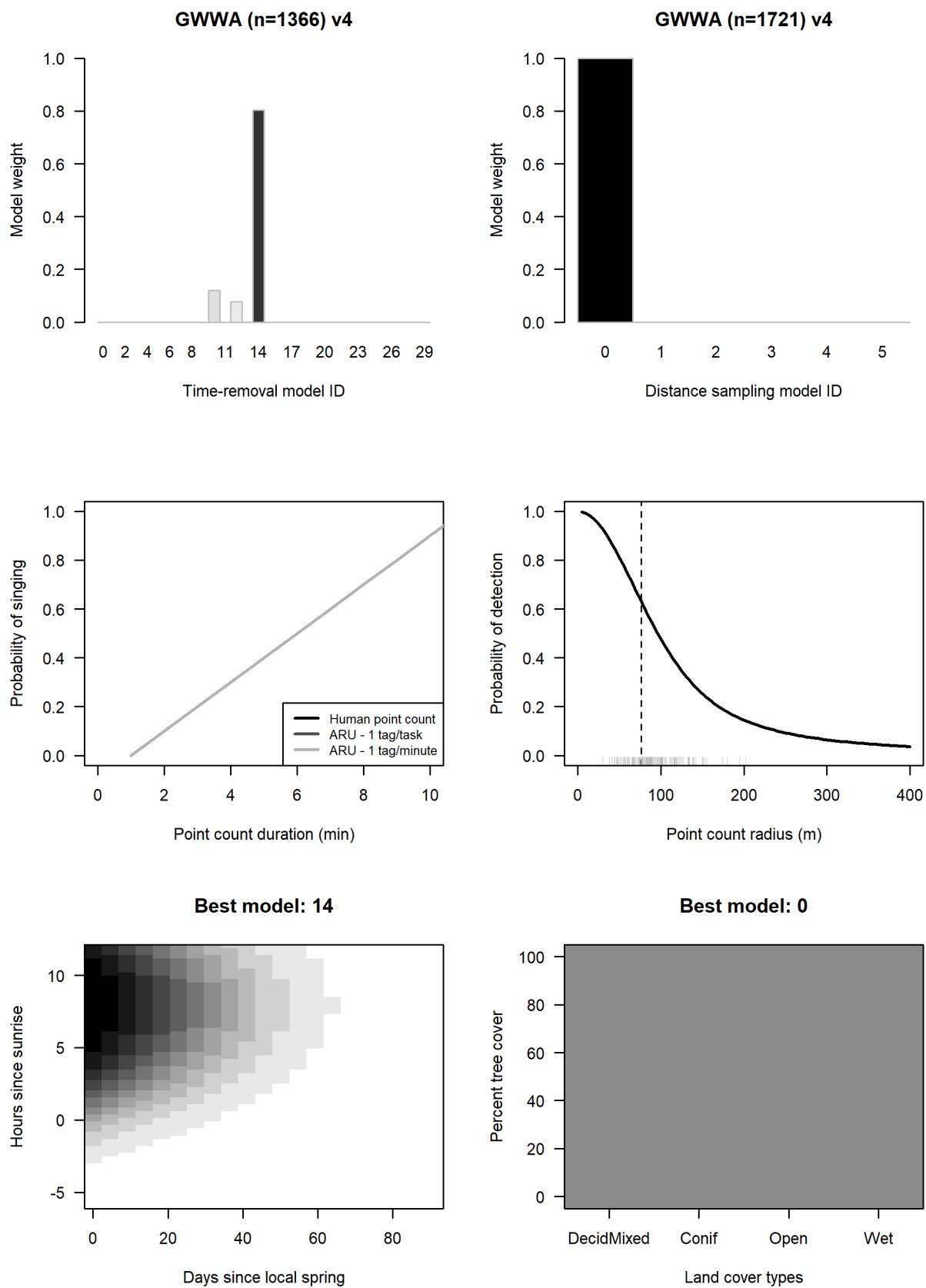


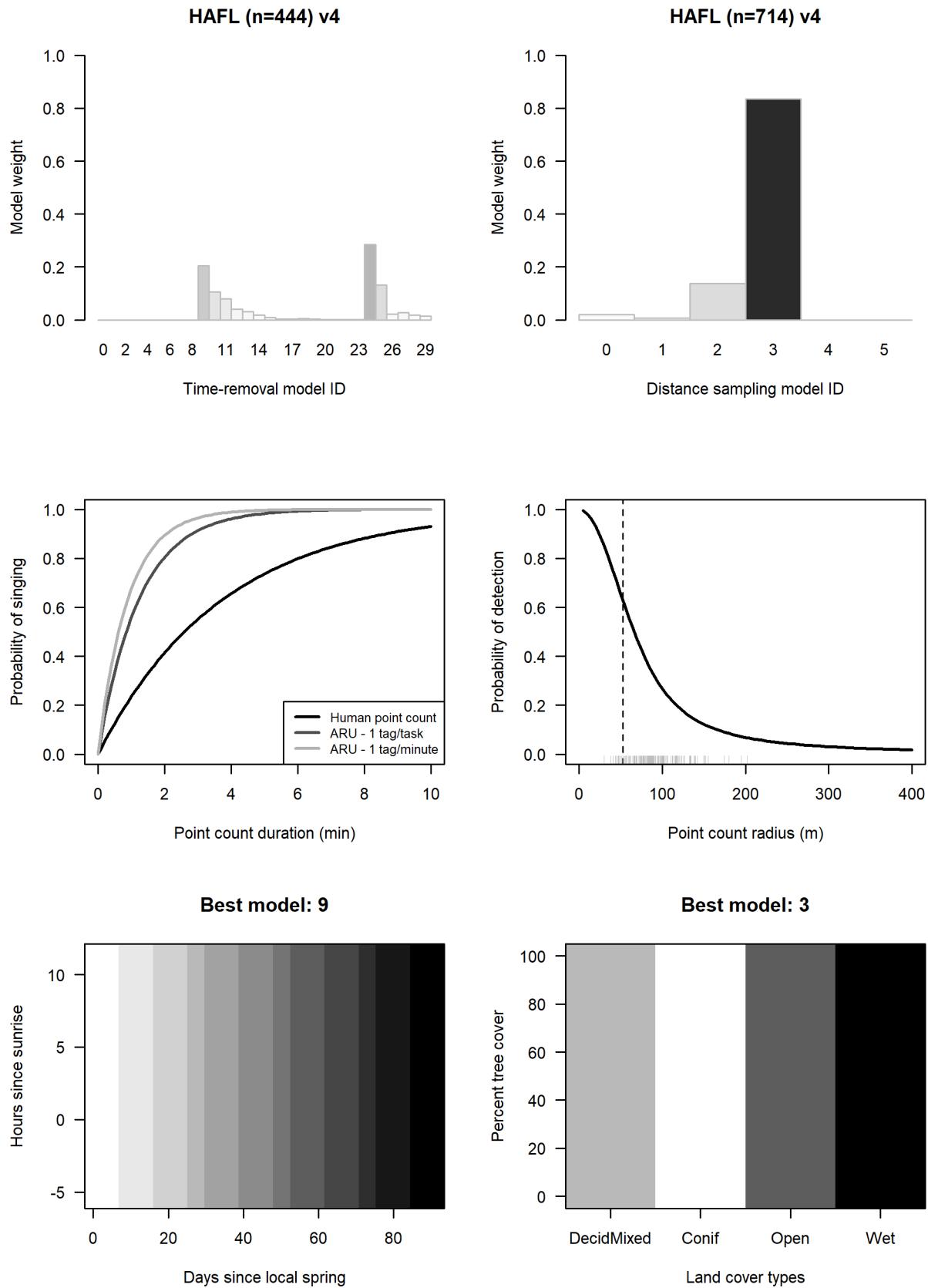


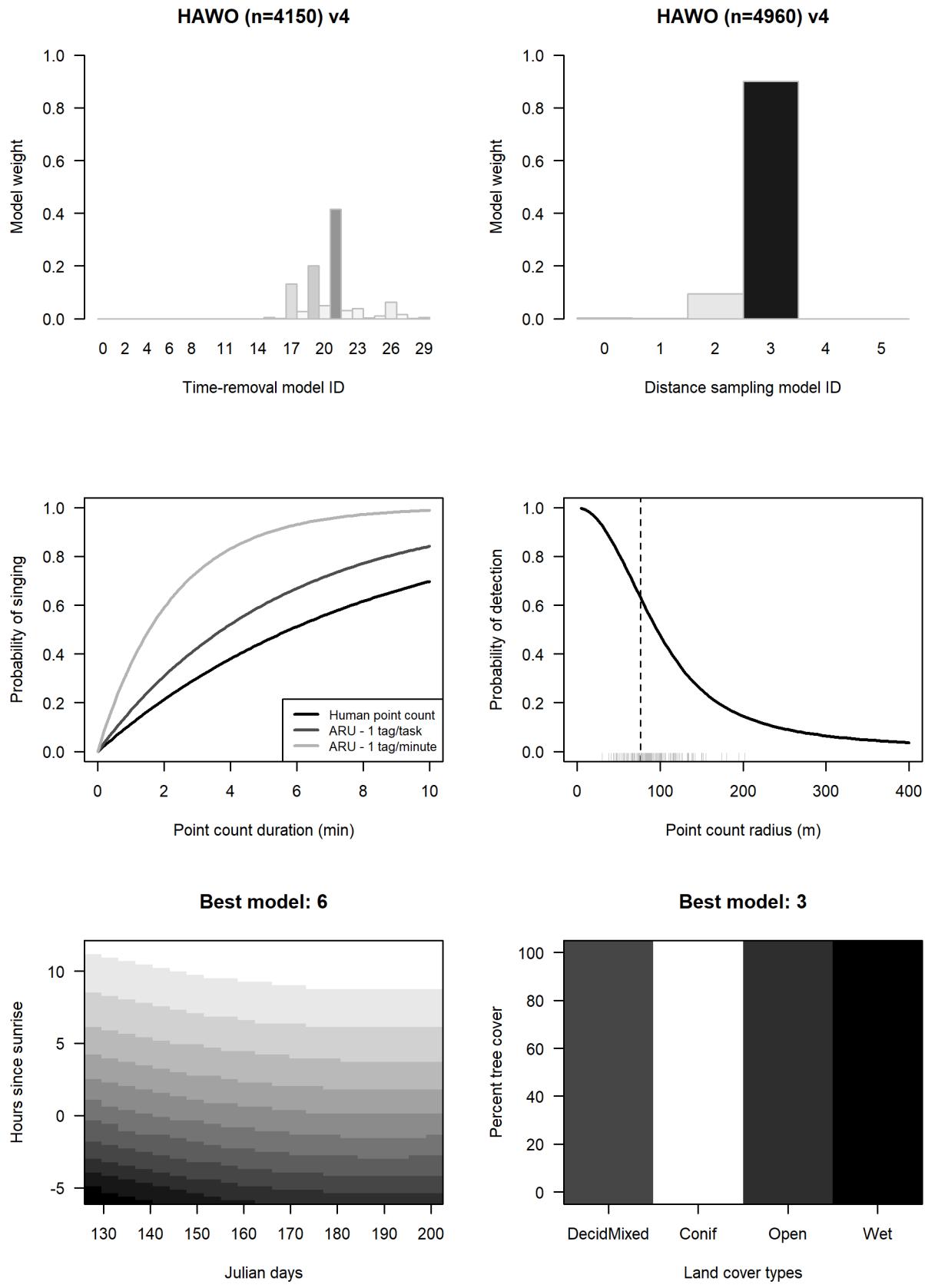


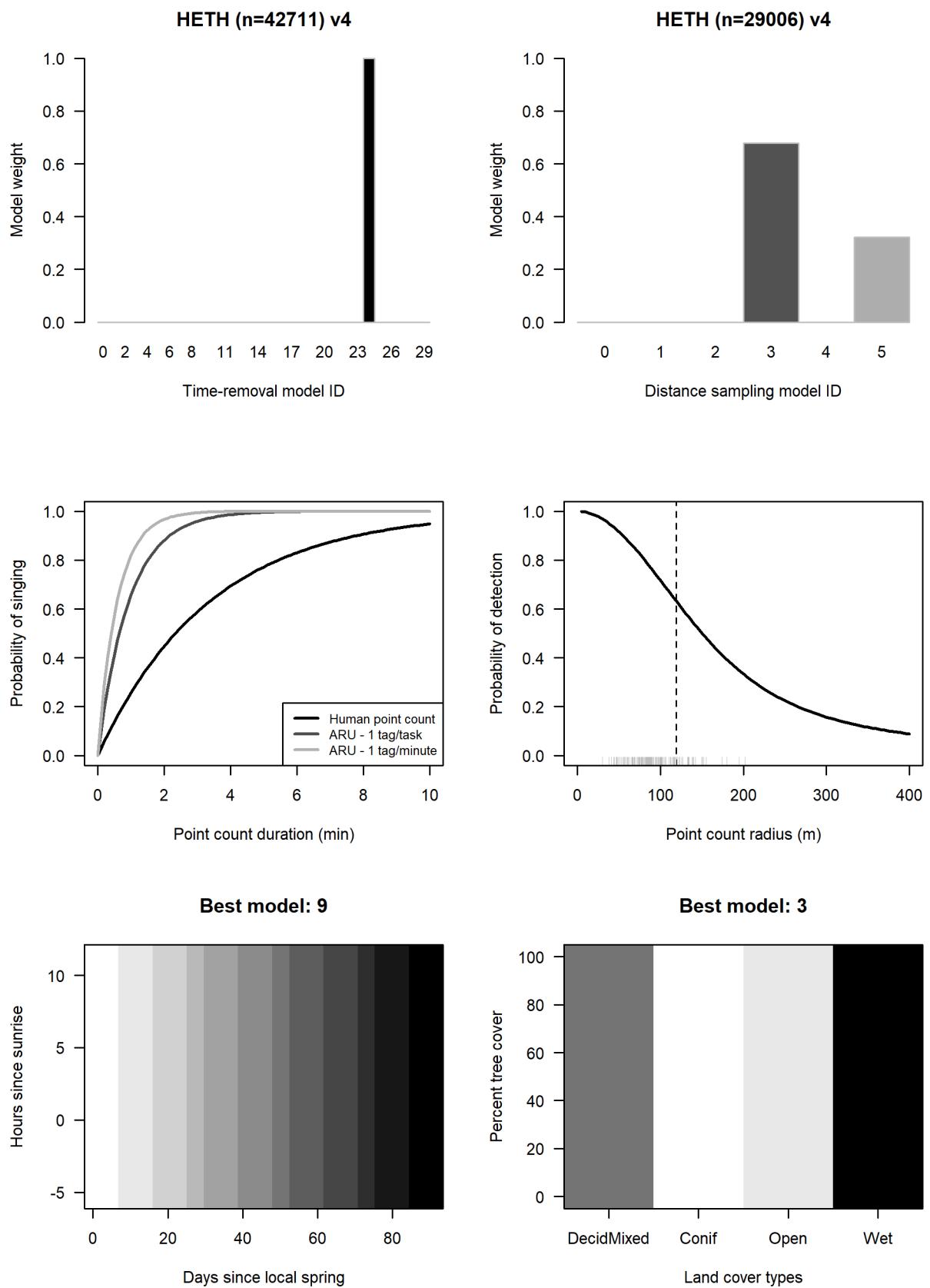


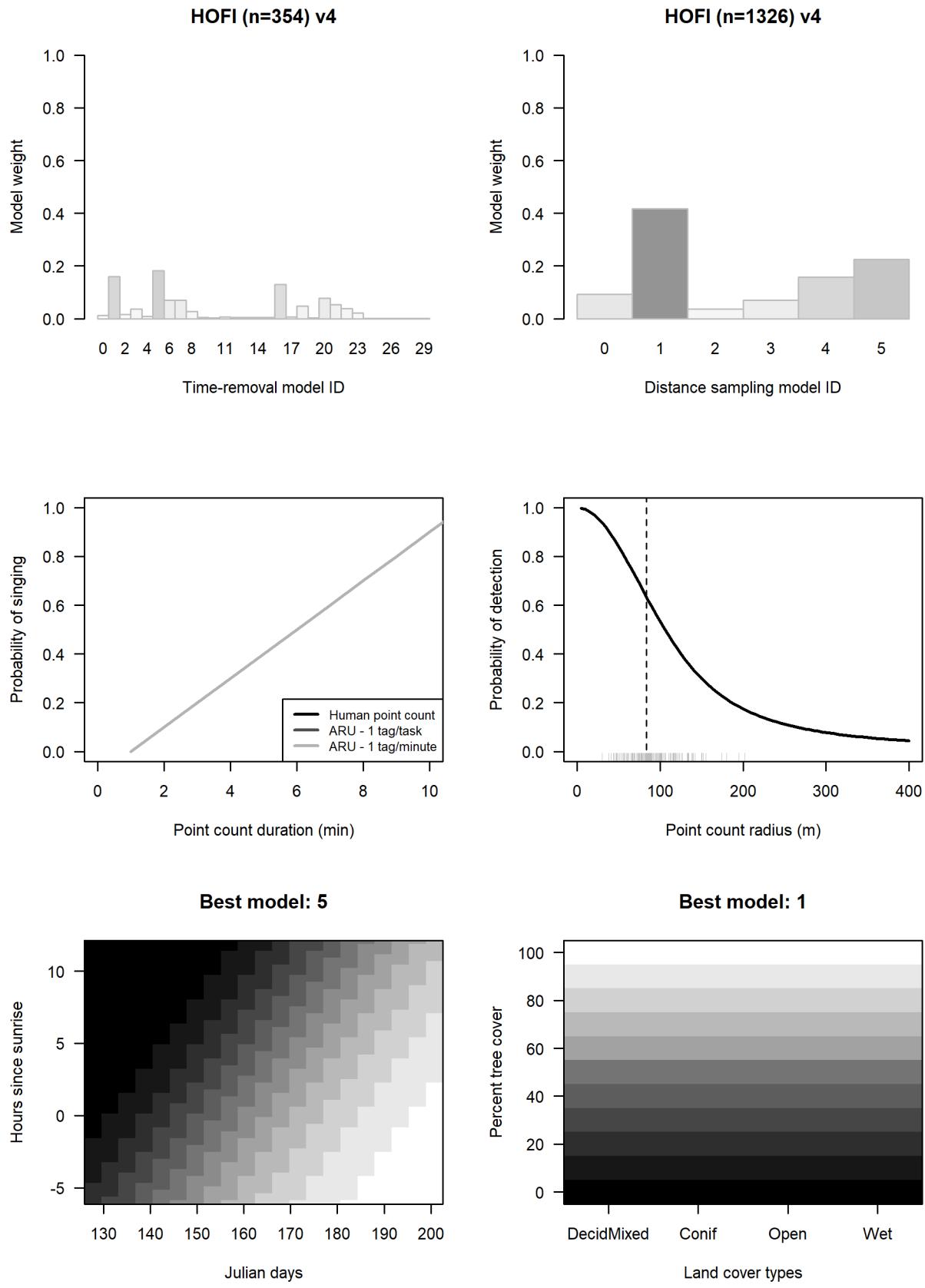


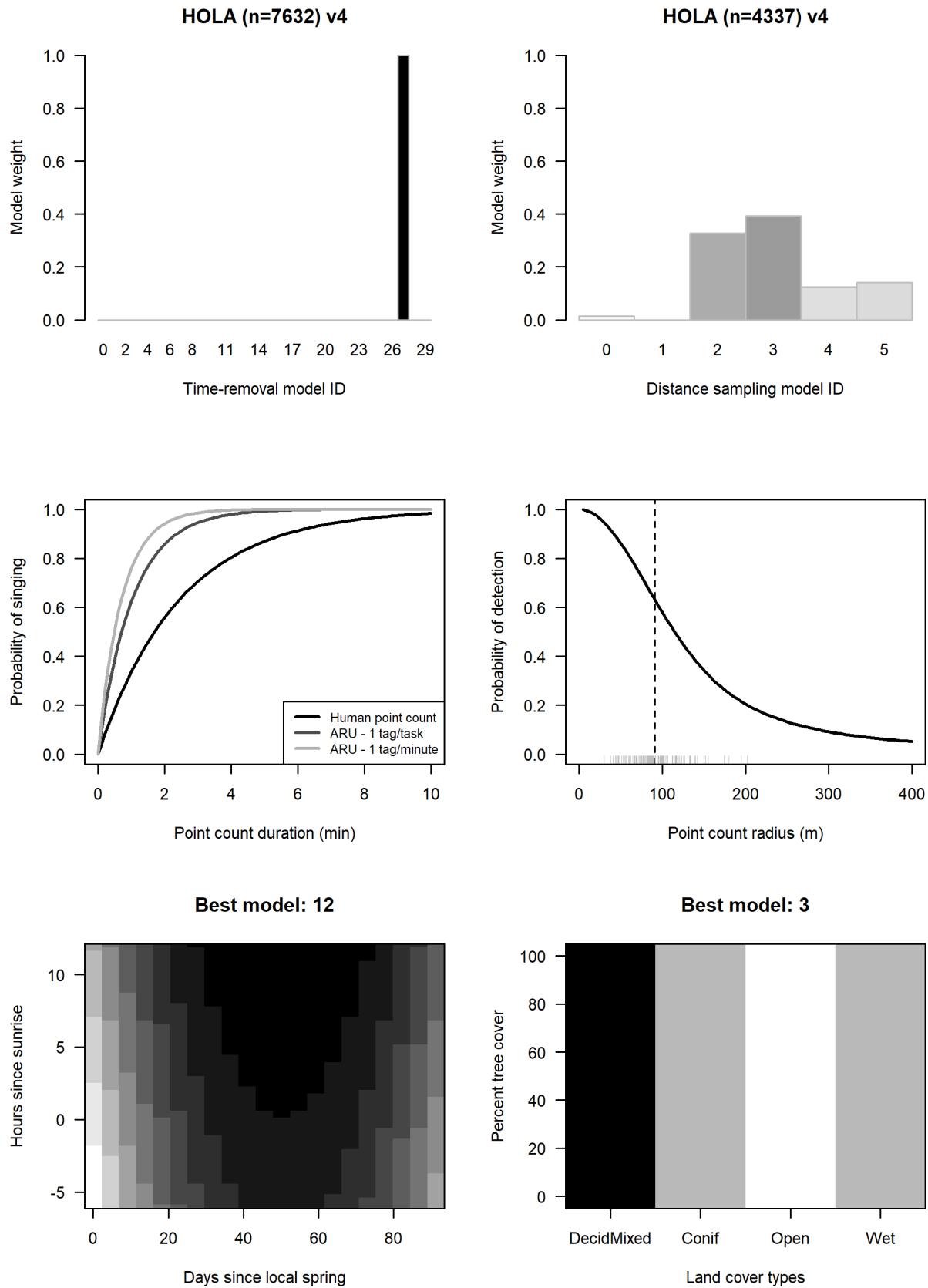


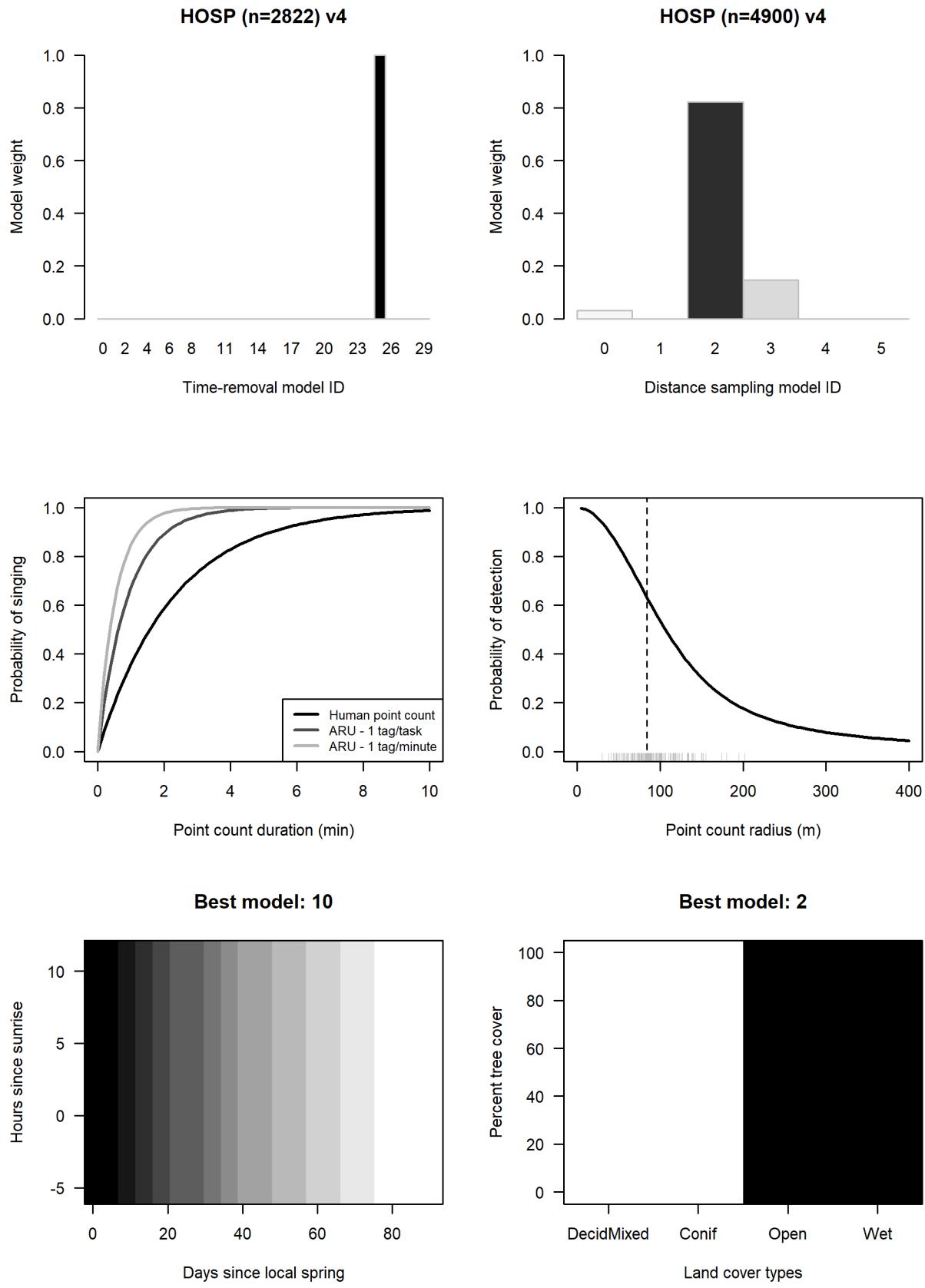


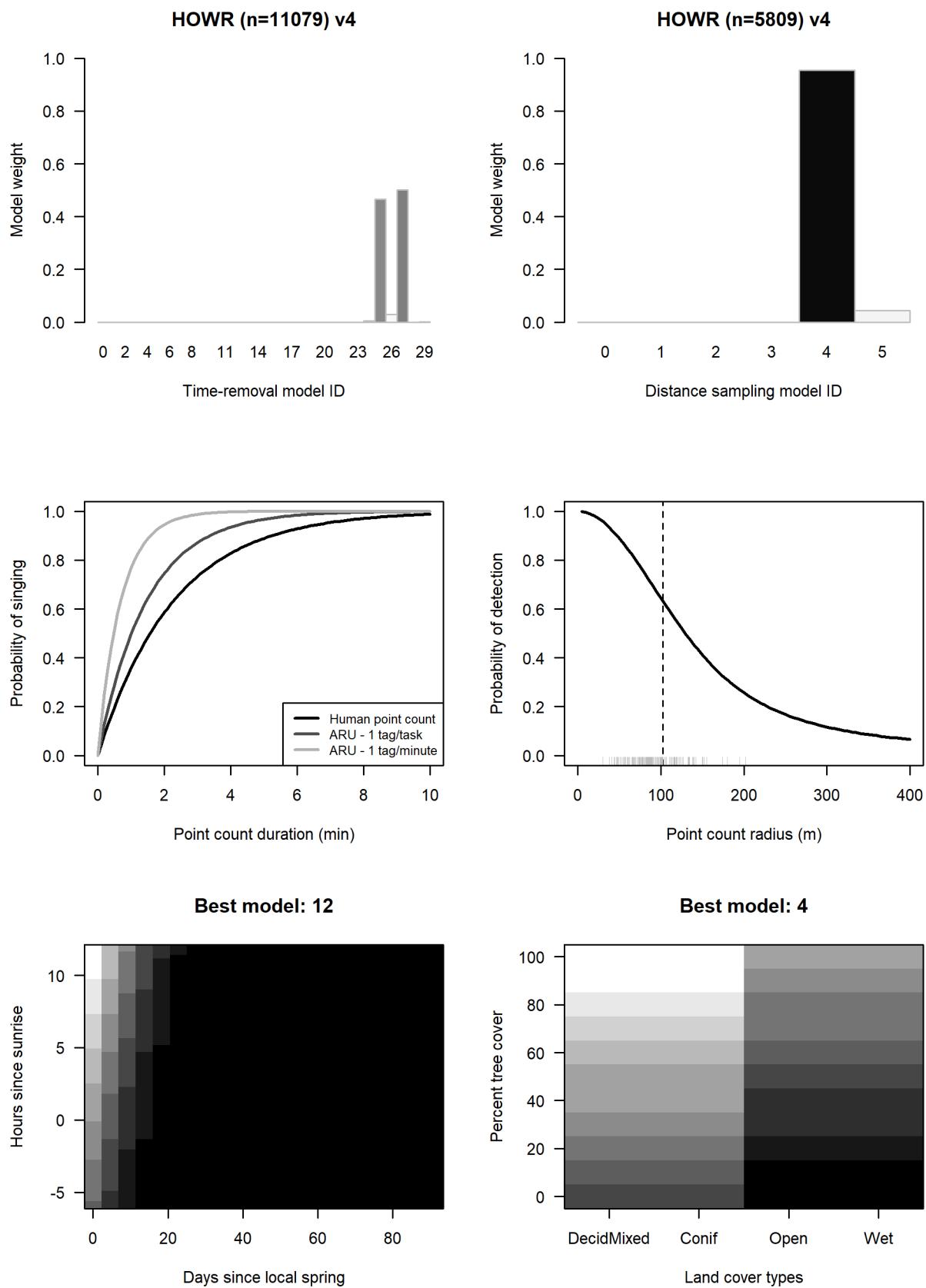


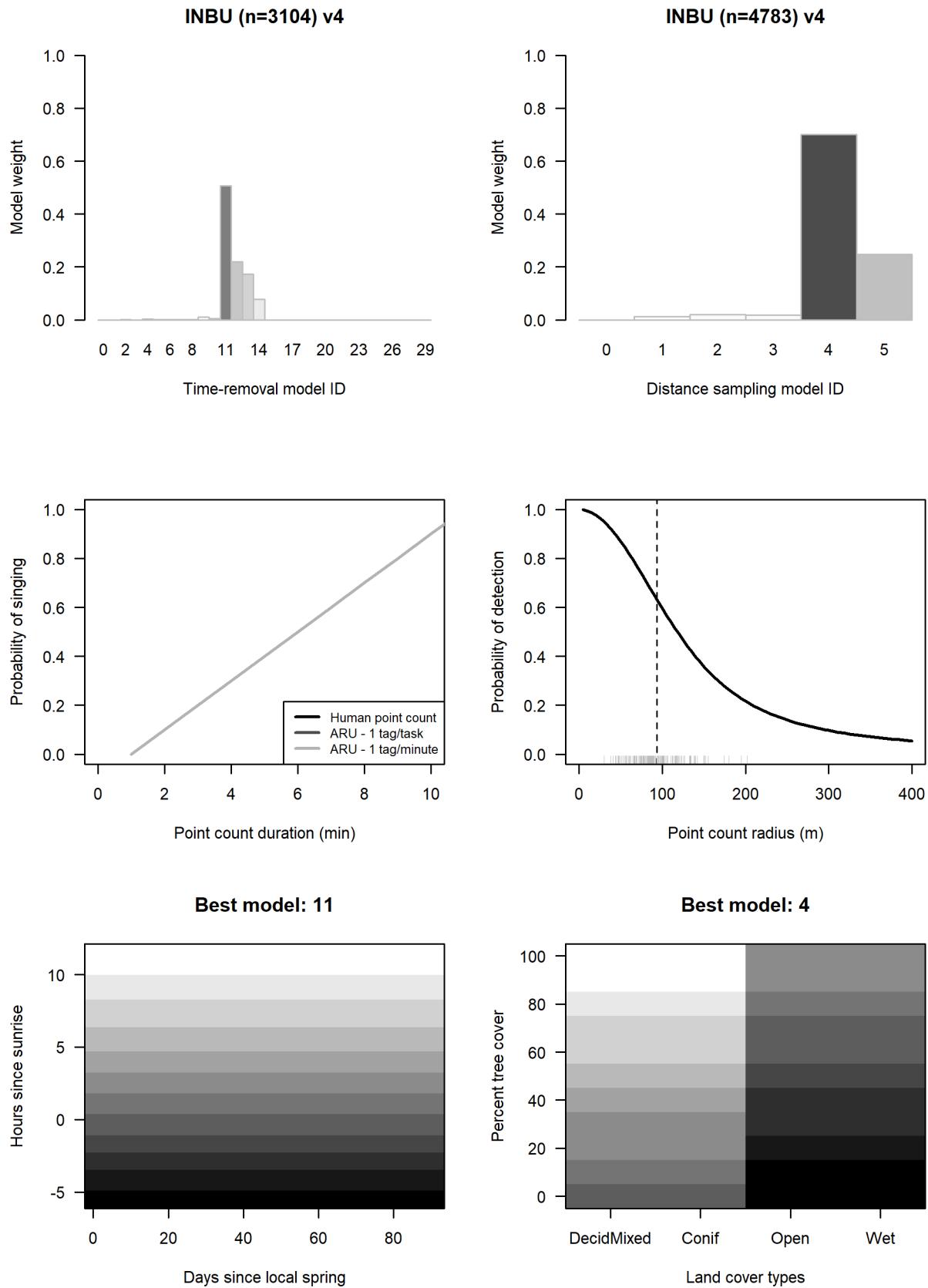


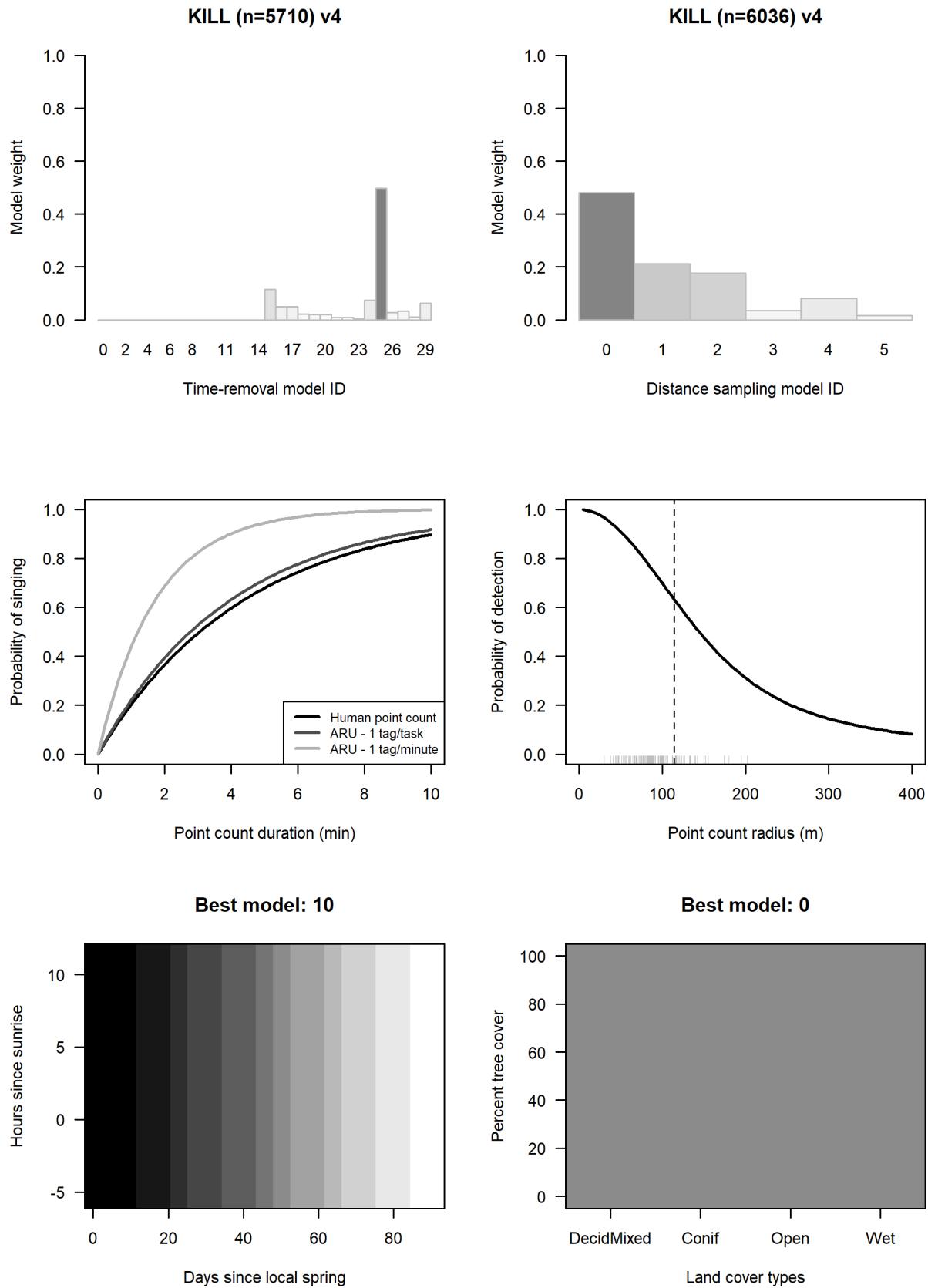


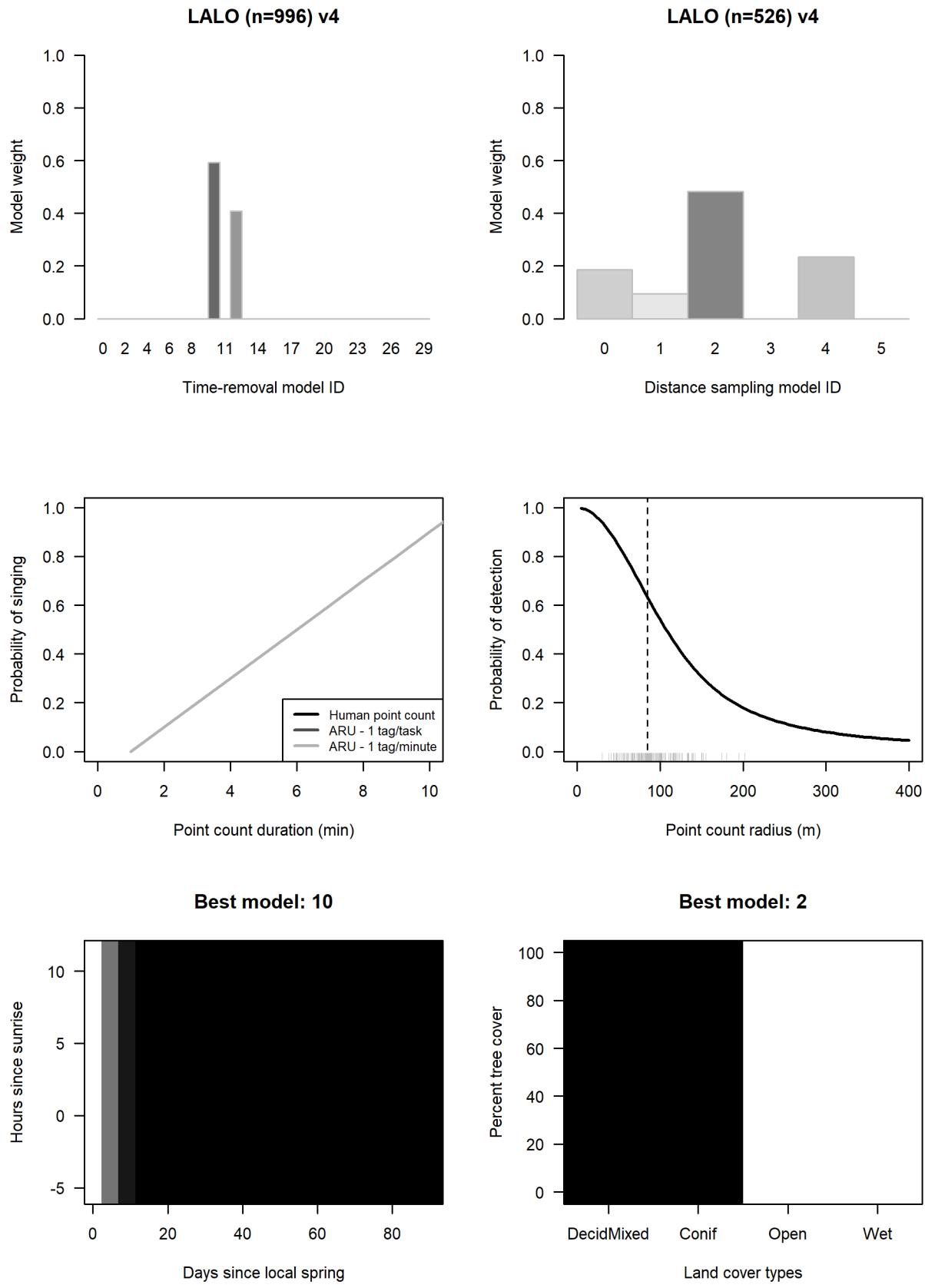


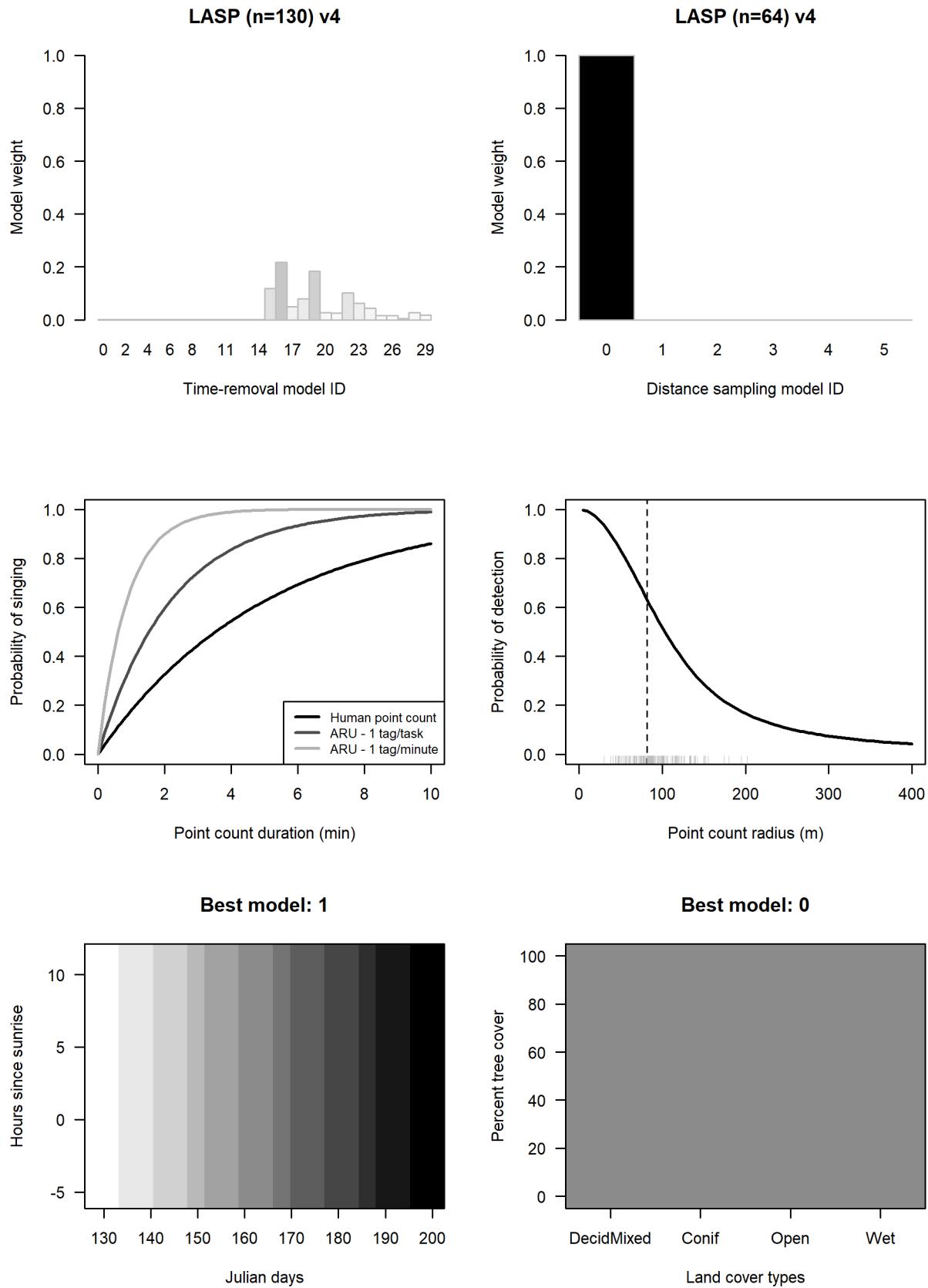


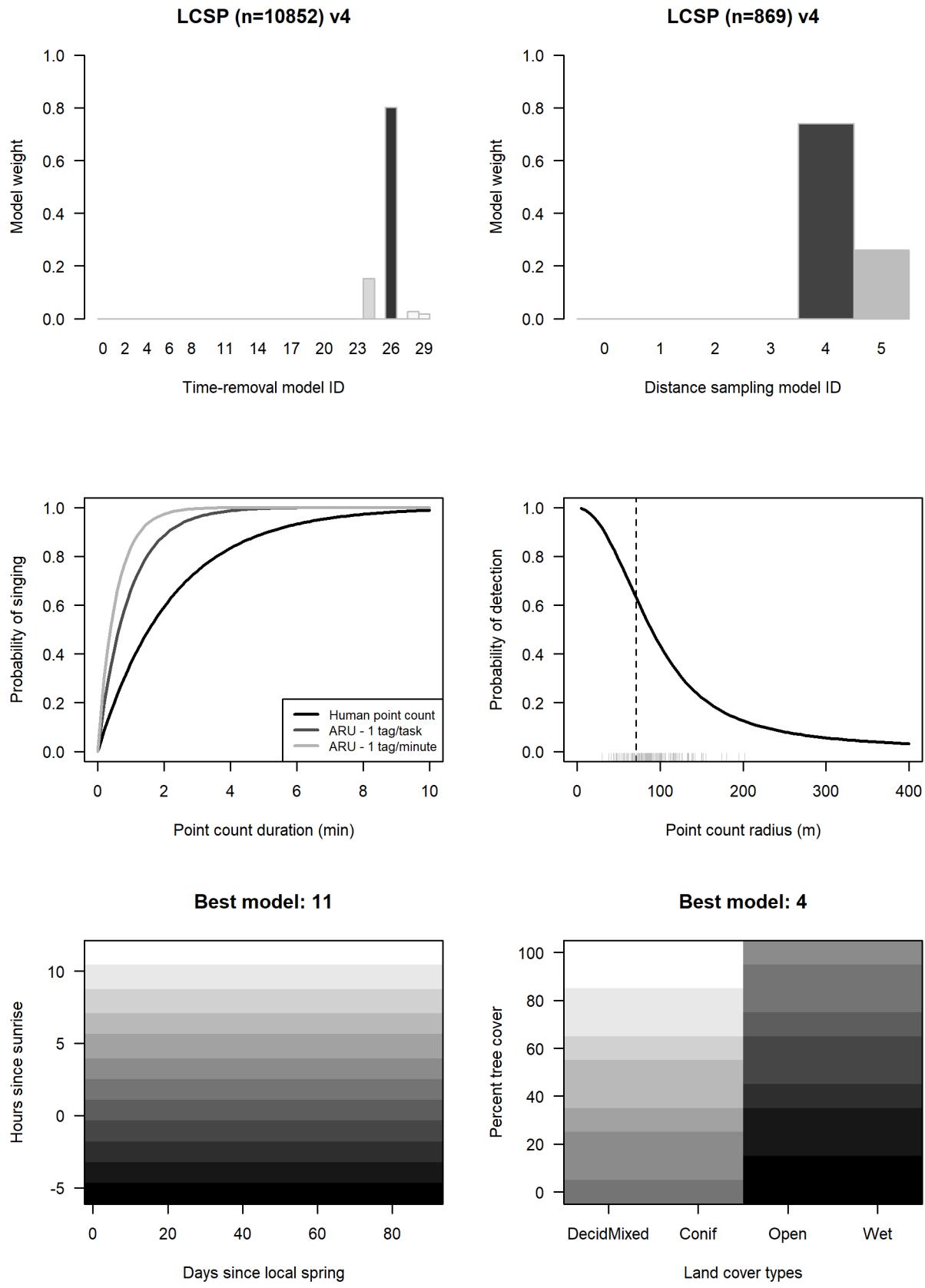


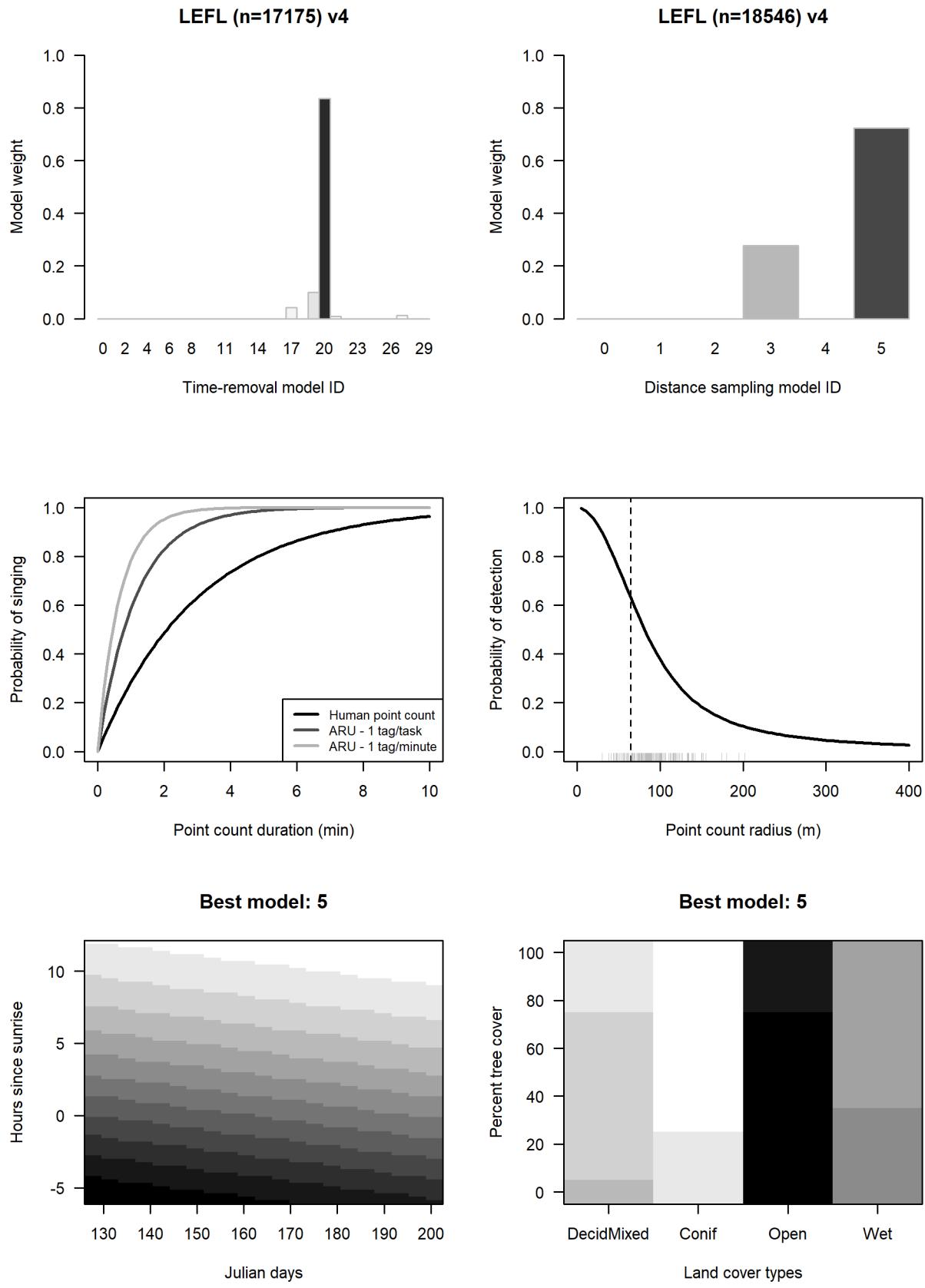


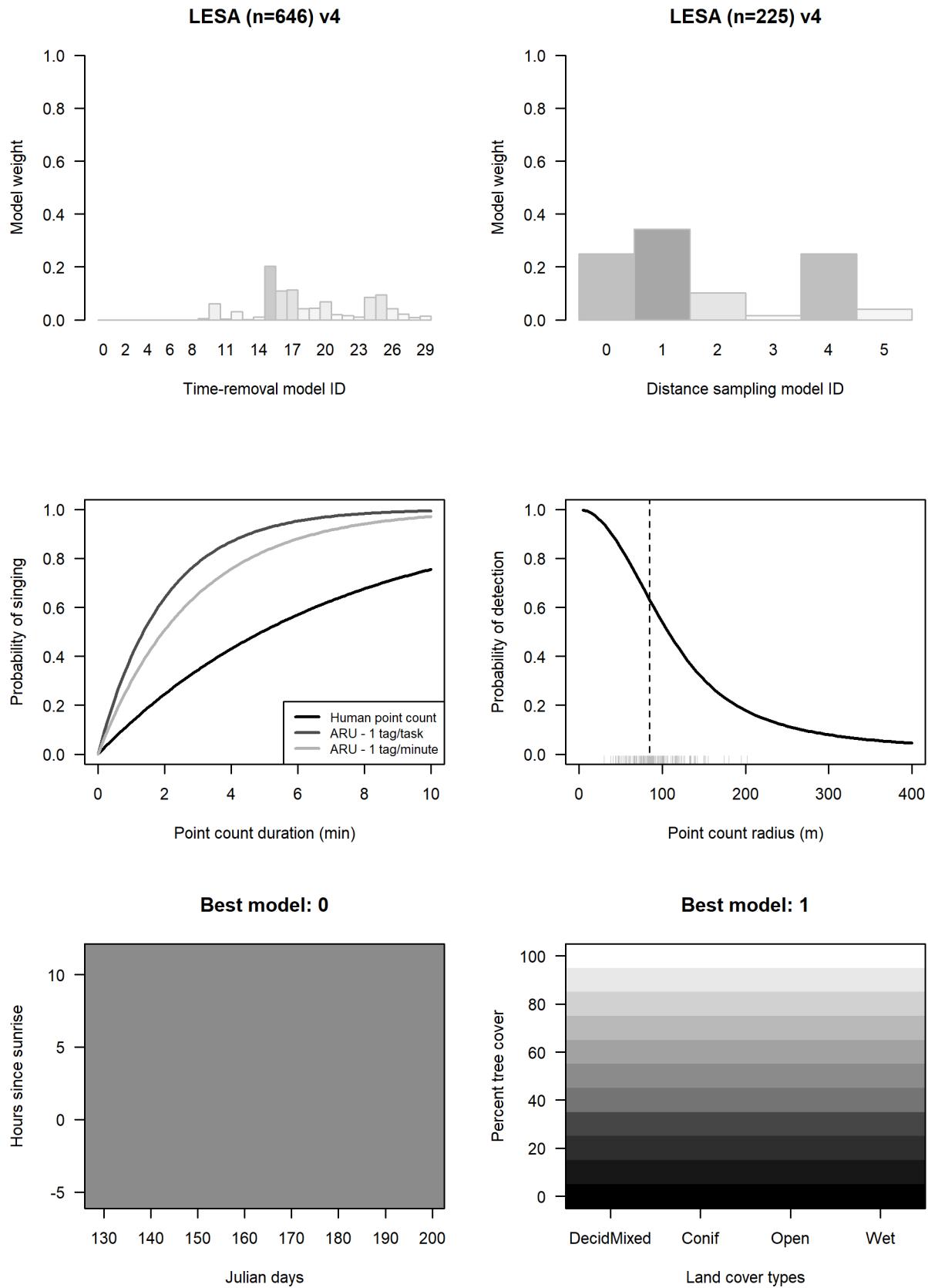


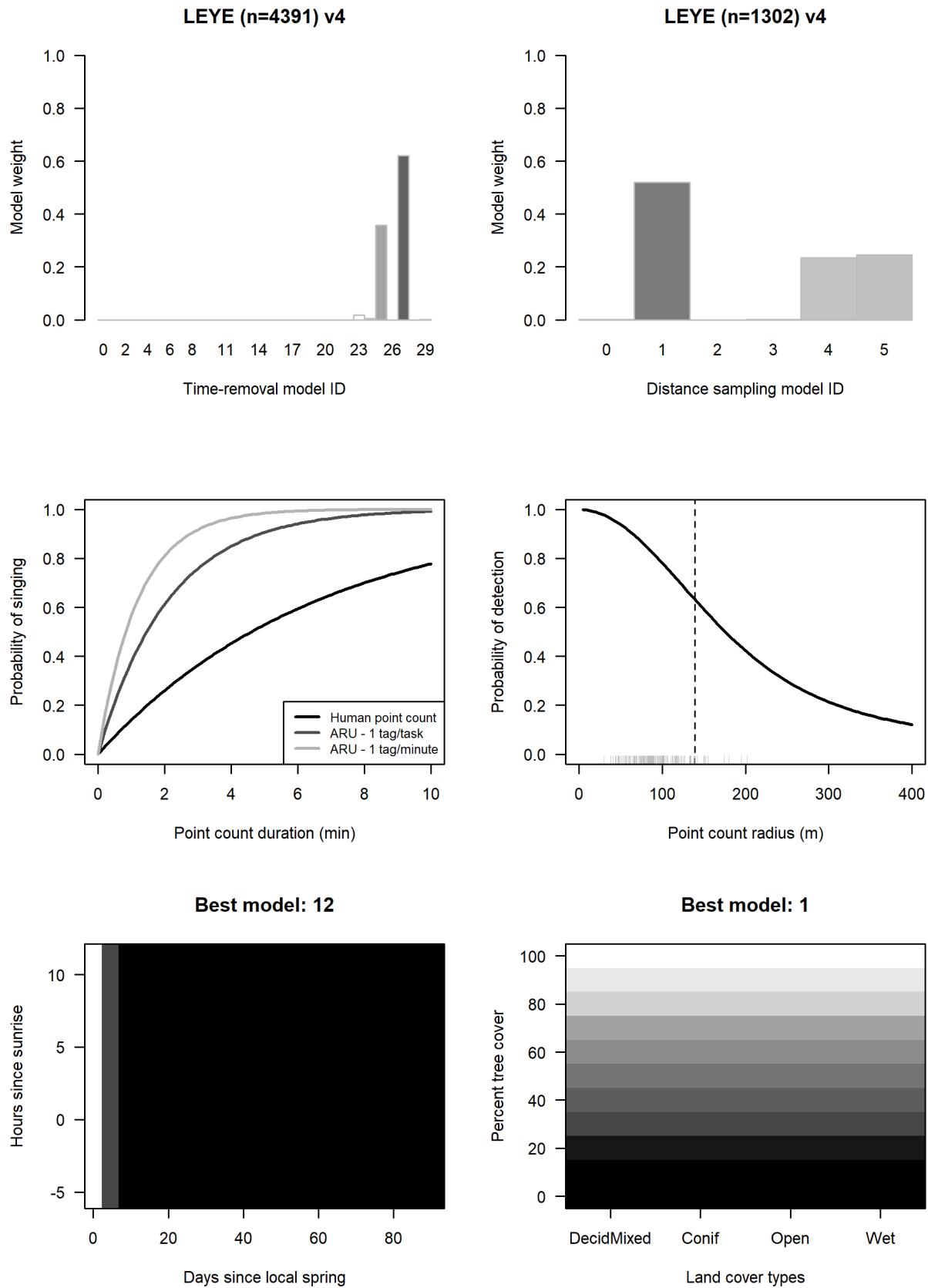


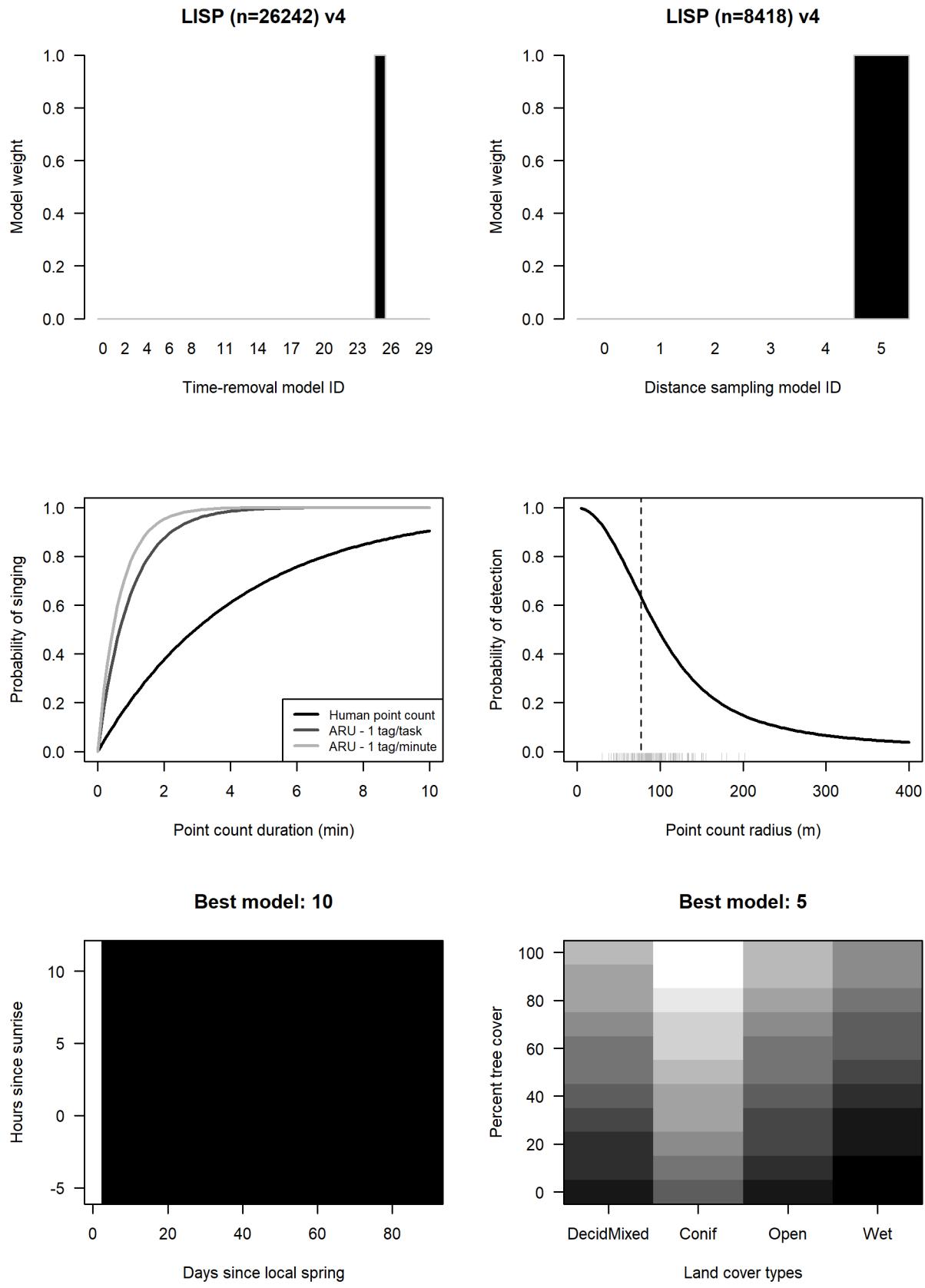


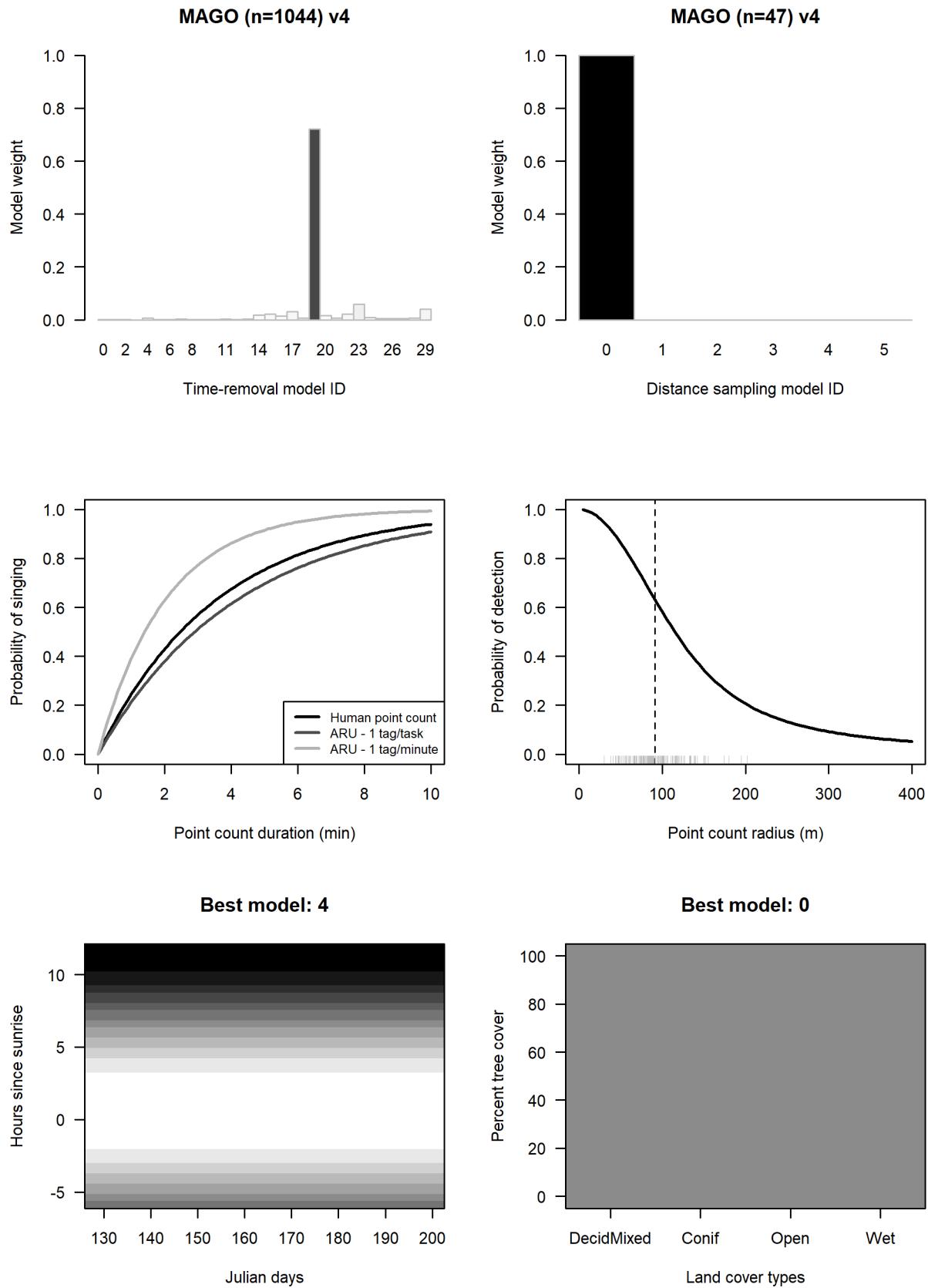


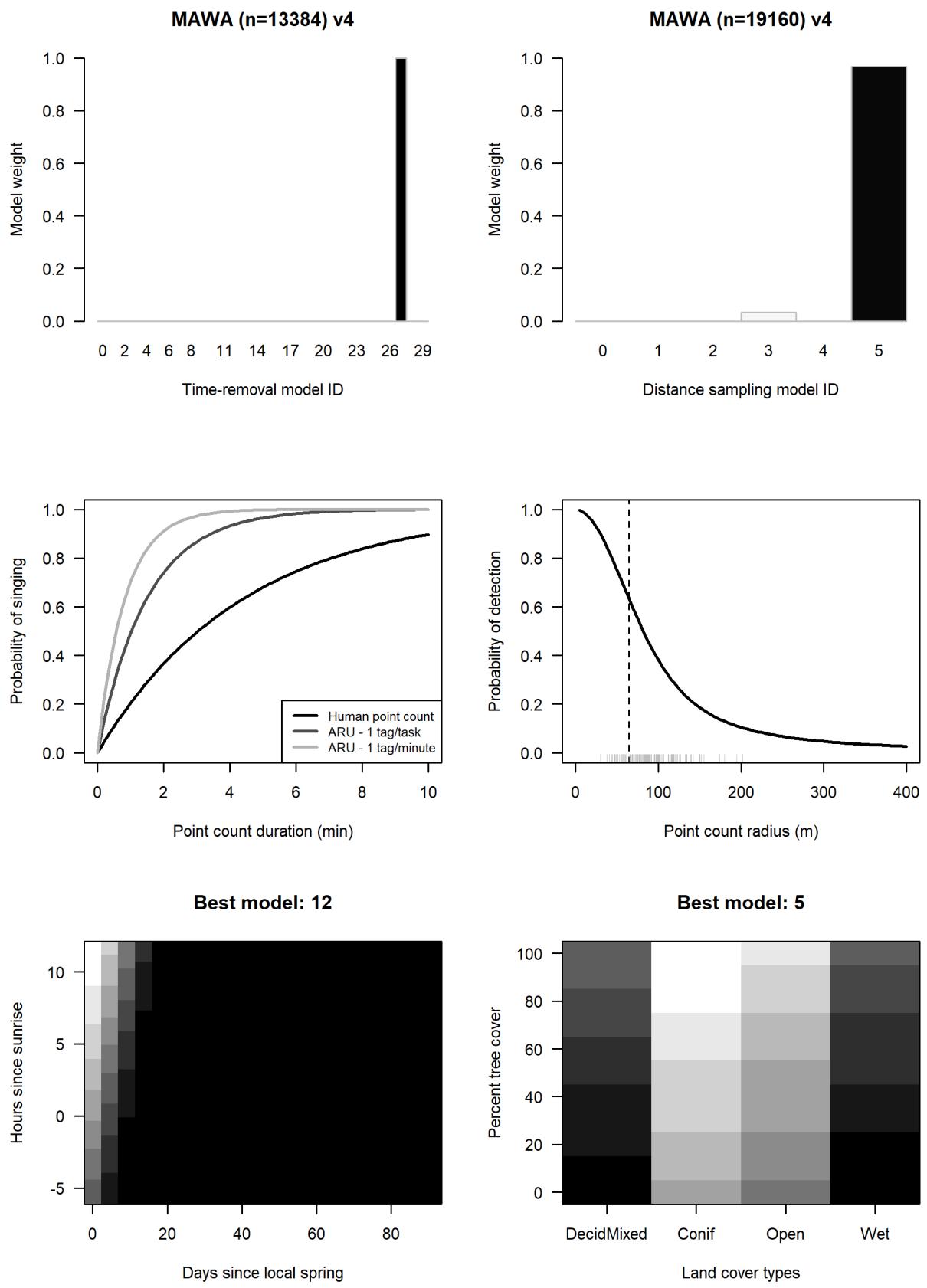


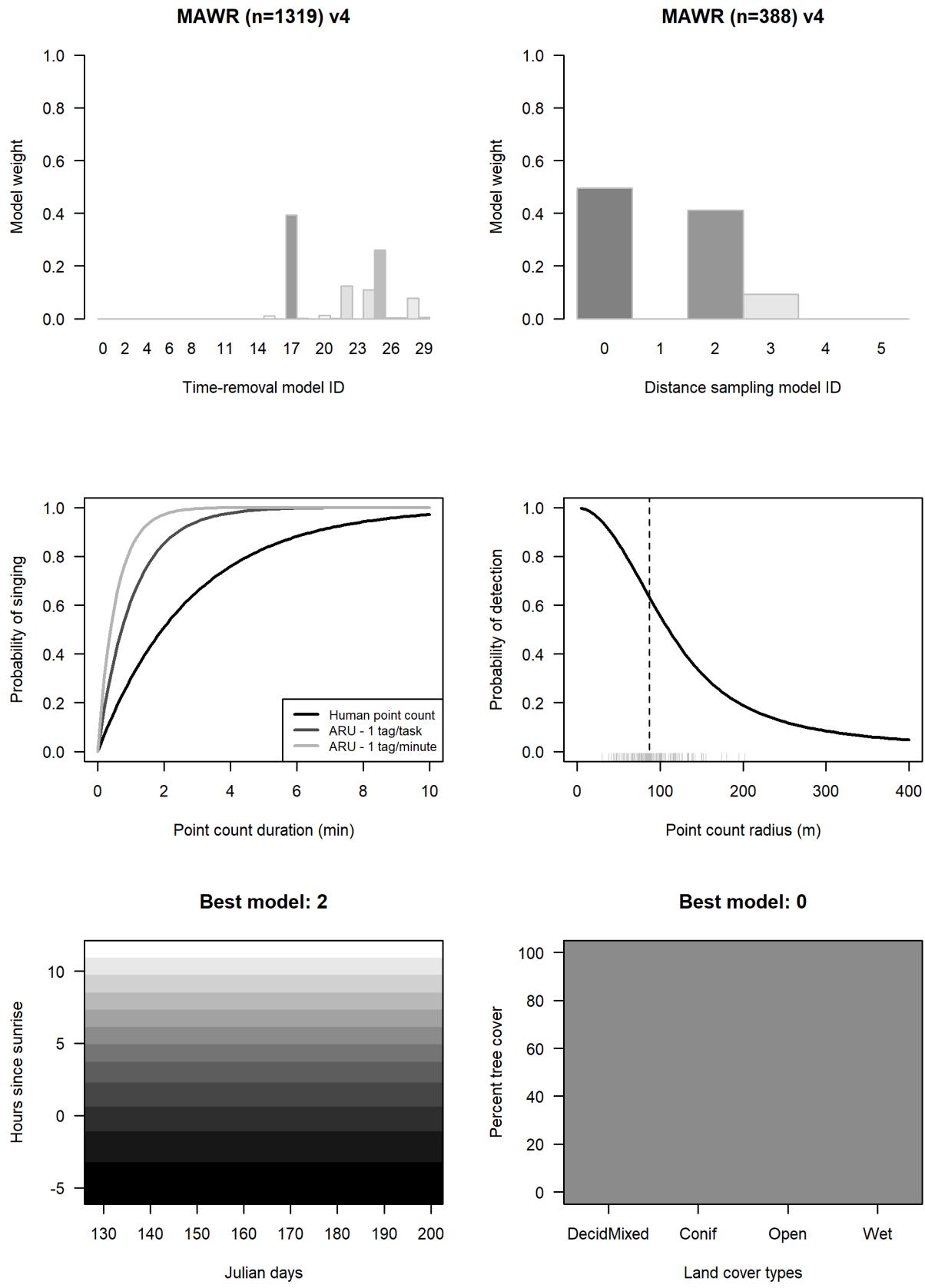


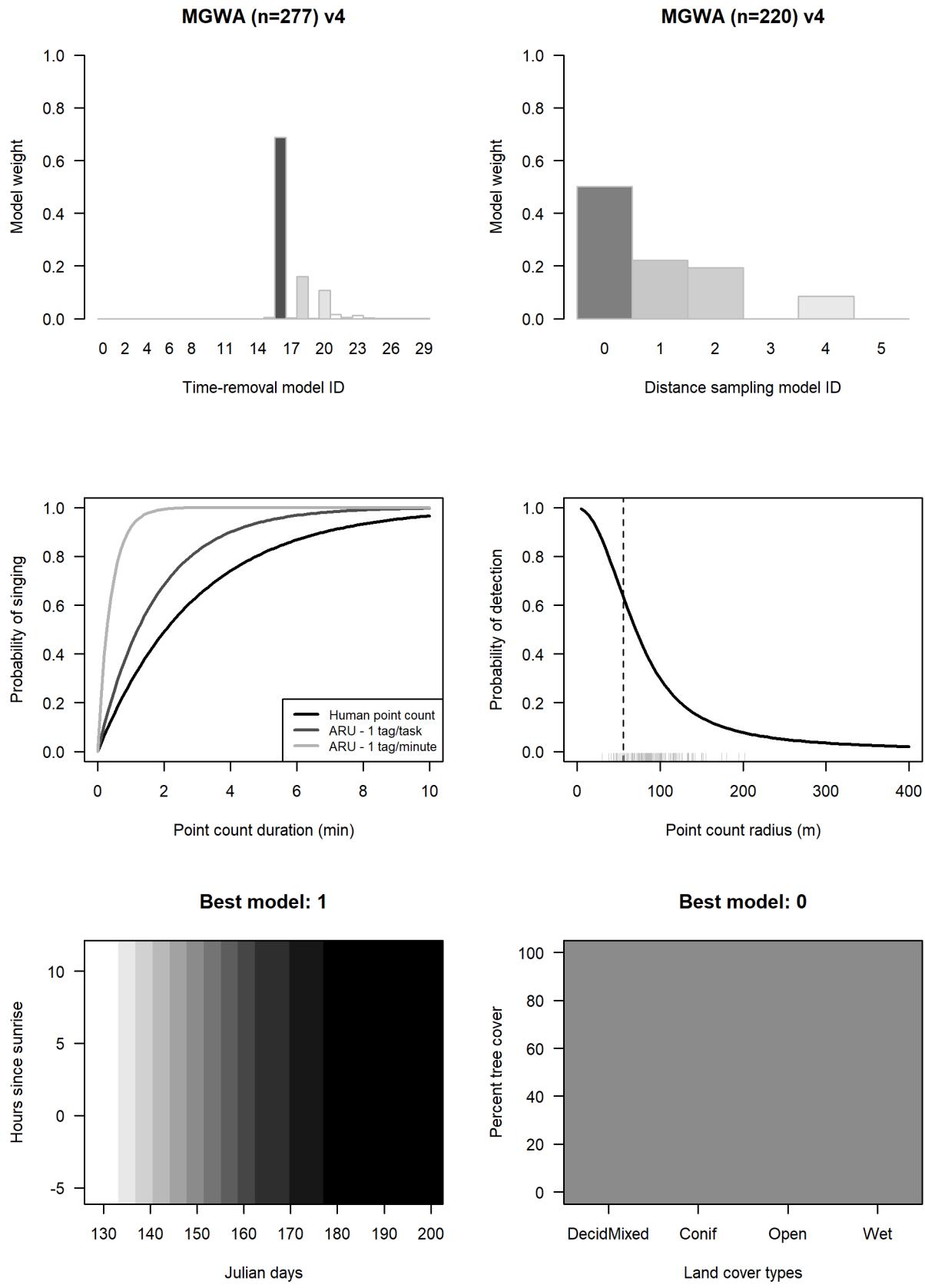


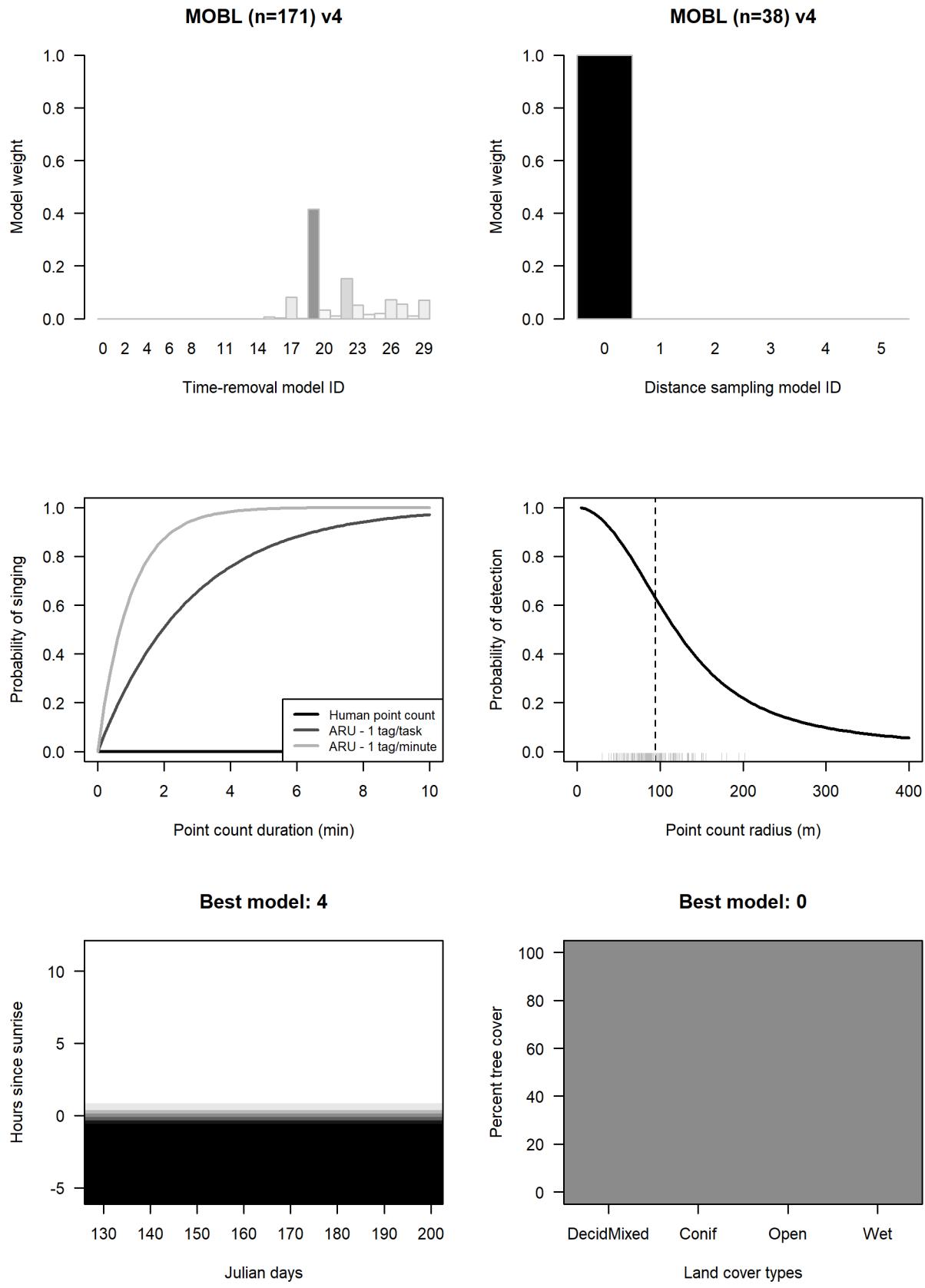


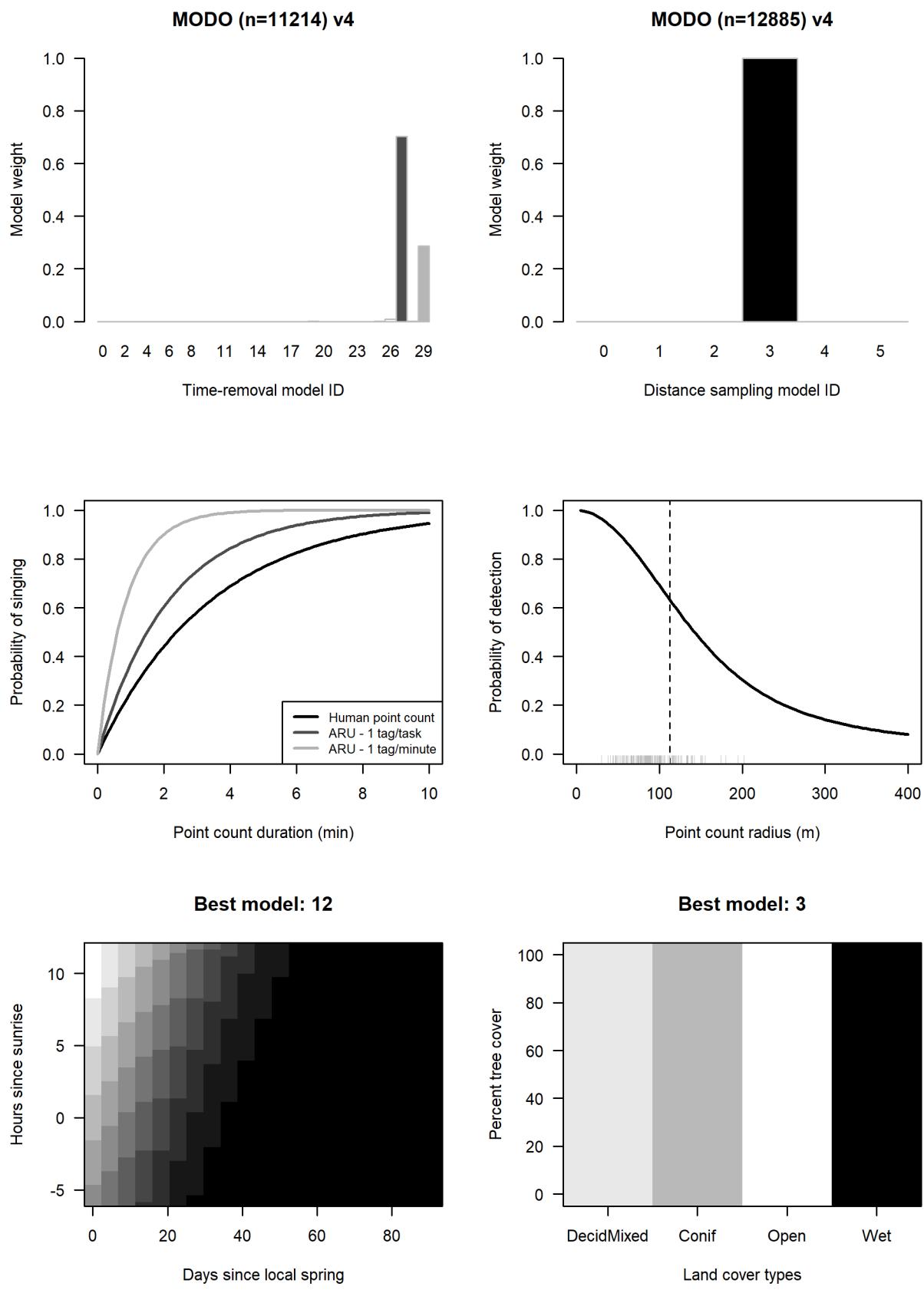




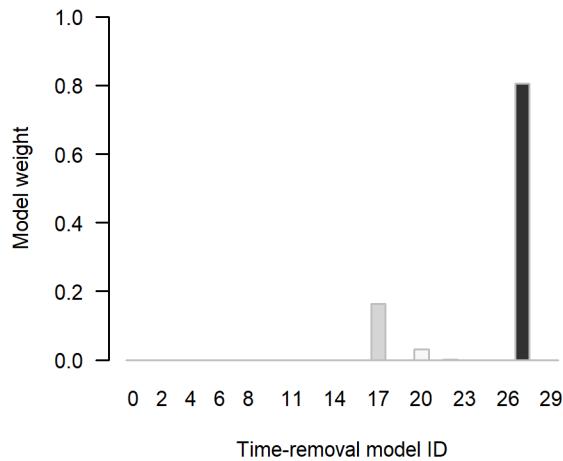




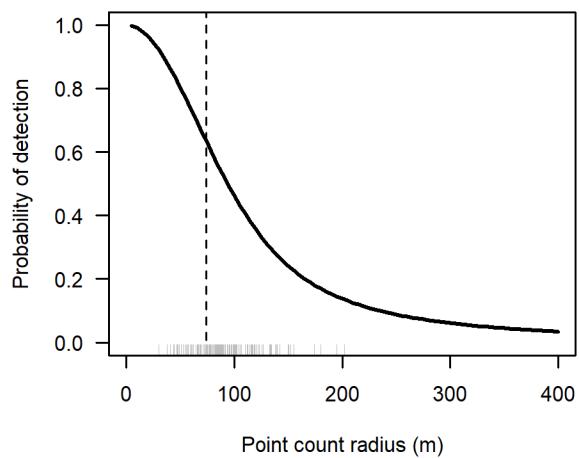
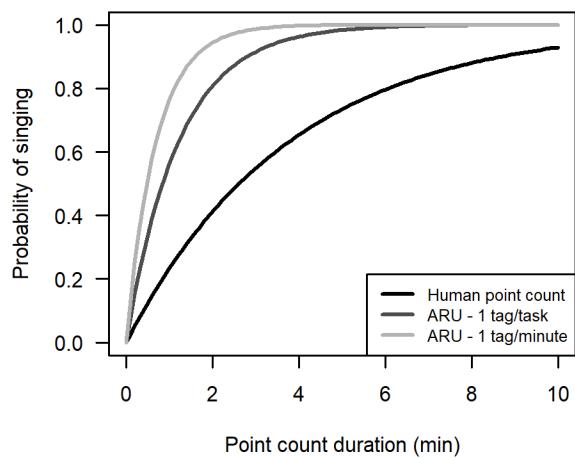
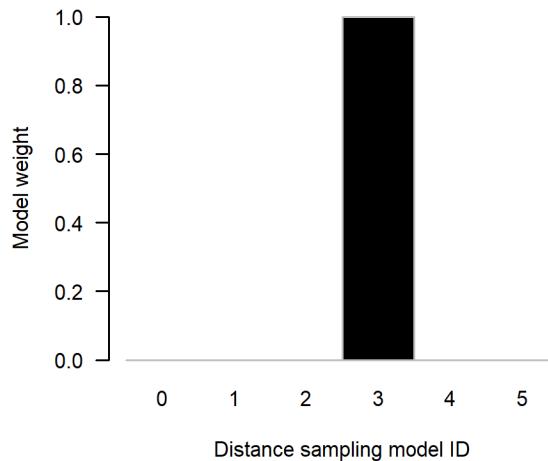




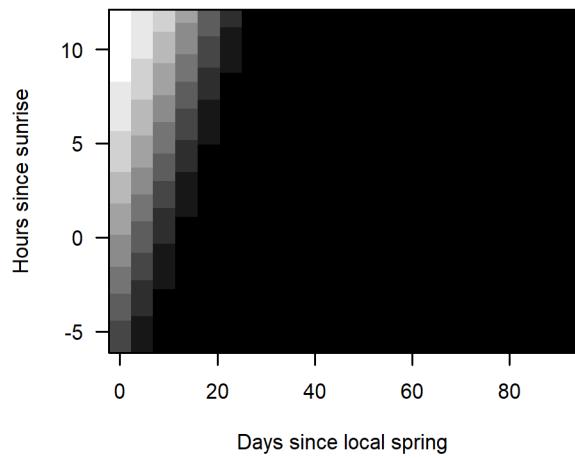
MOWA (n=12573) v4



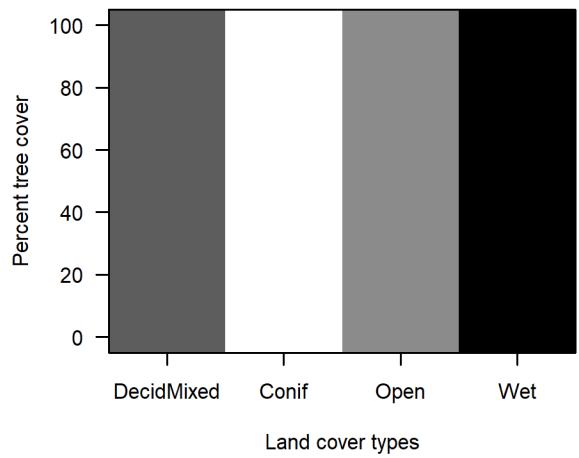
MOWA (n=17332) v4

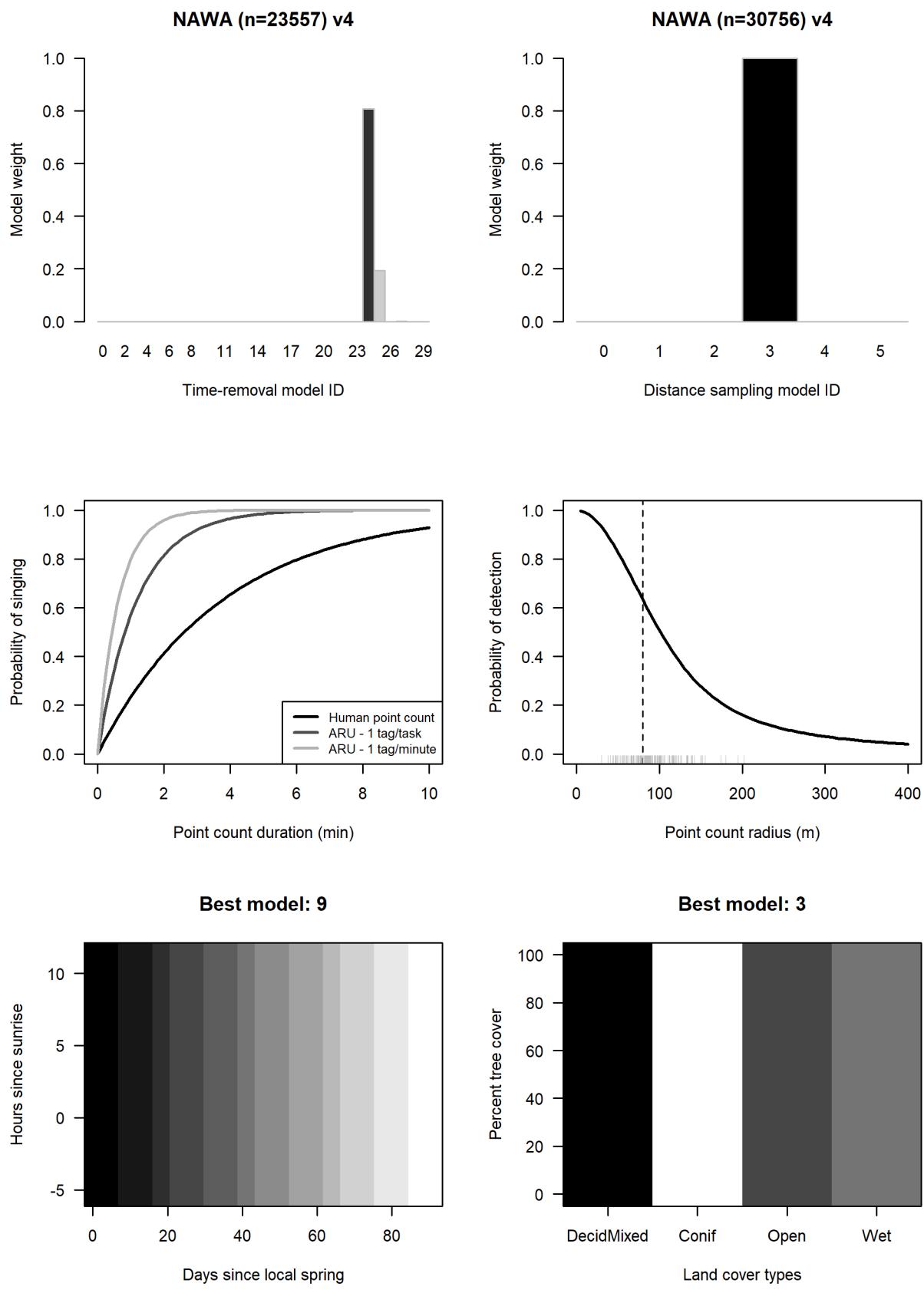


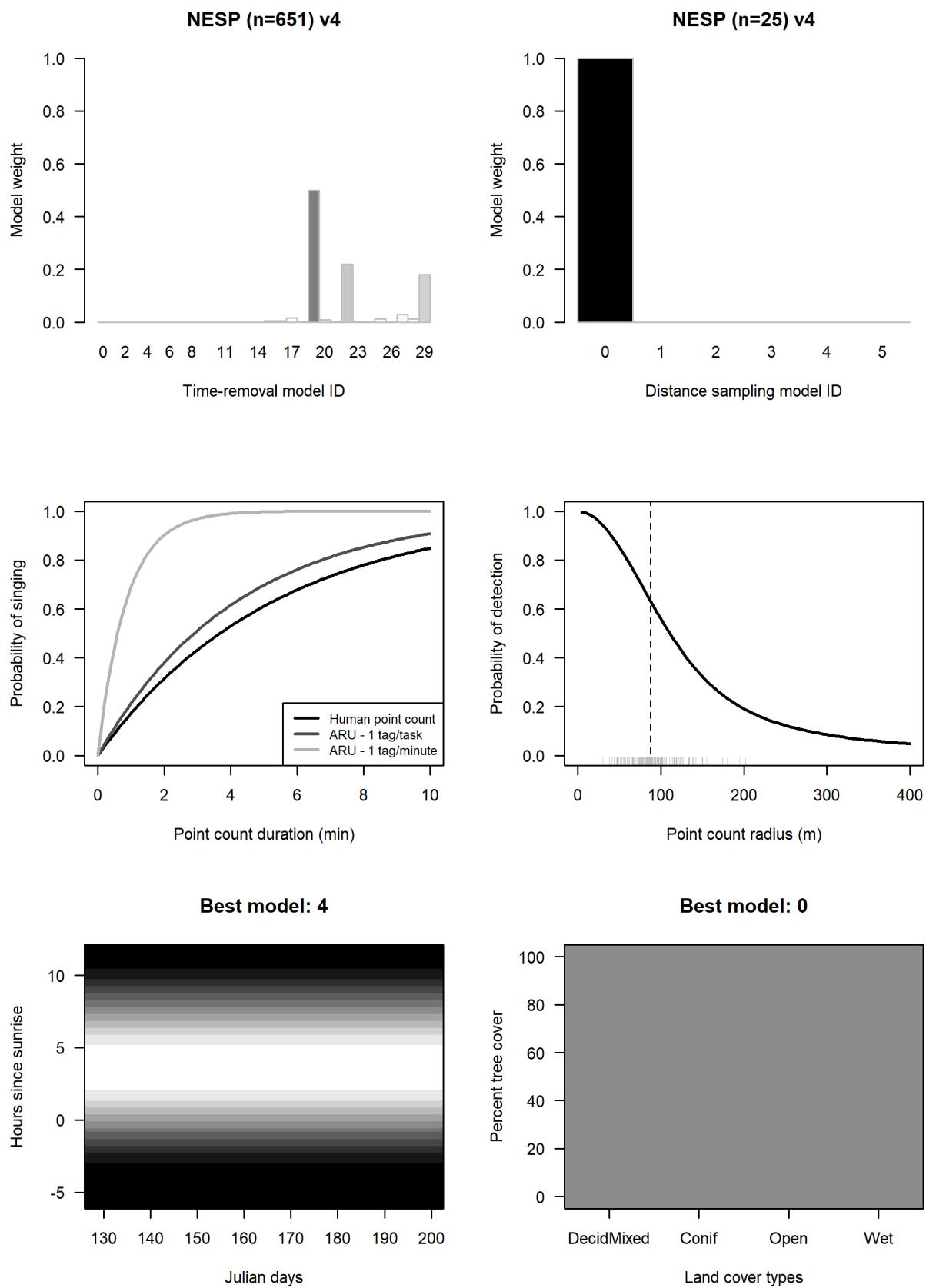
Best model: 12

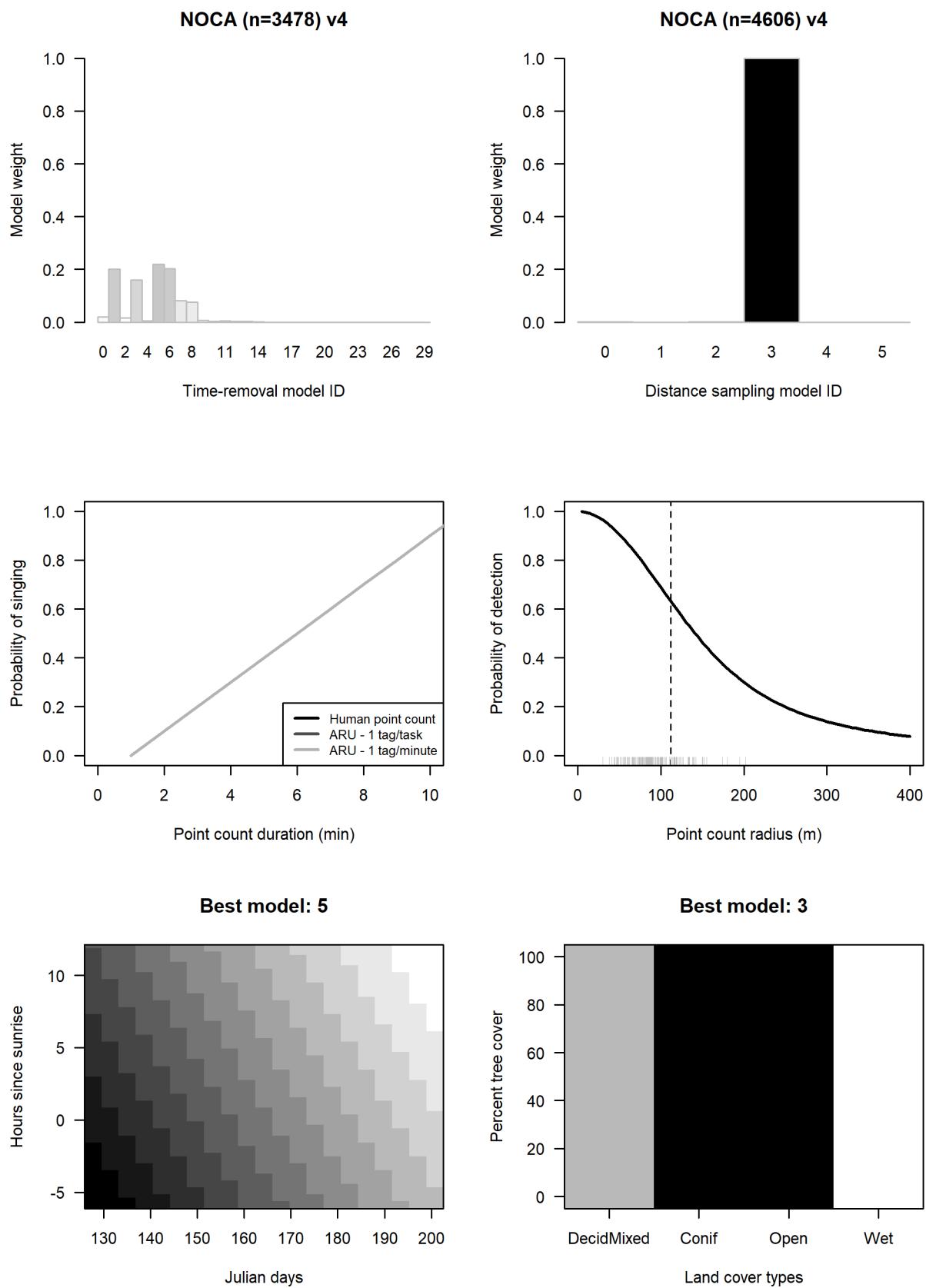


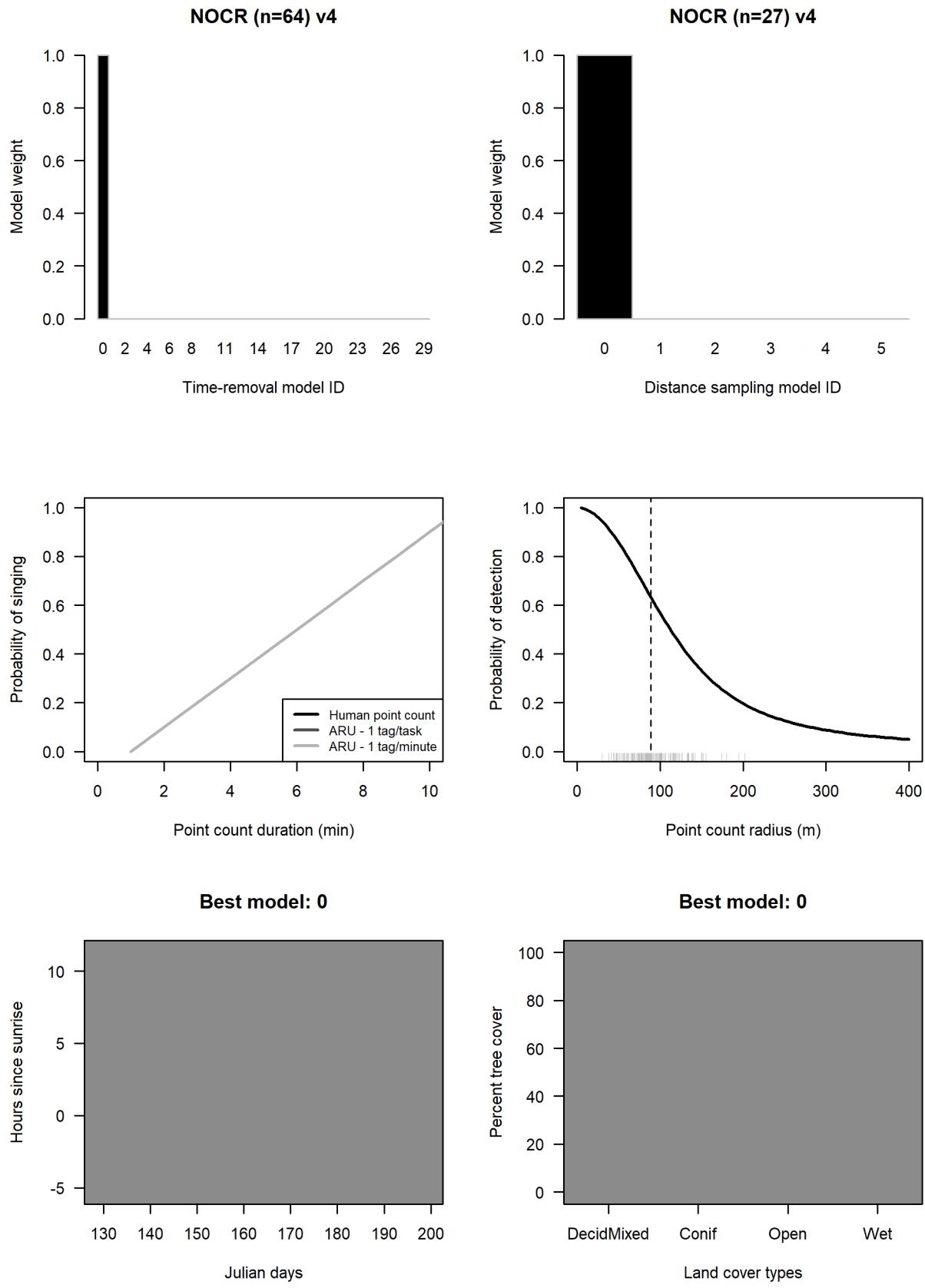
Best model: 3

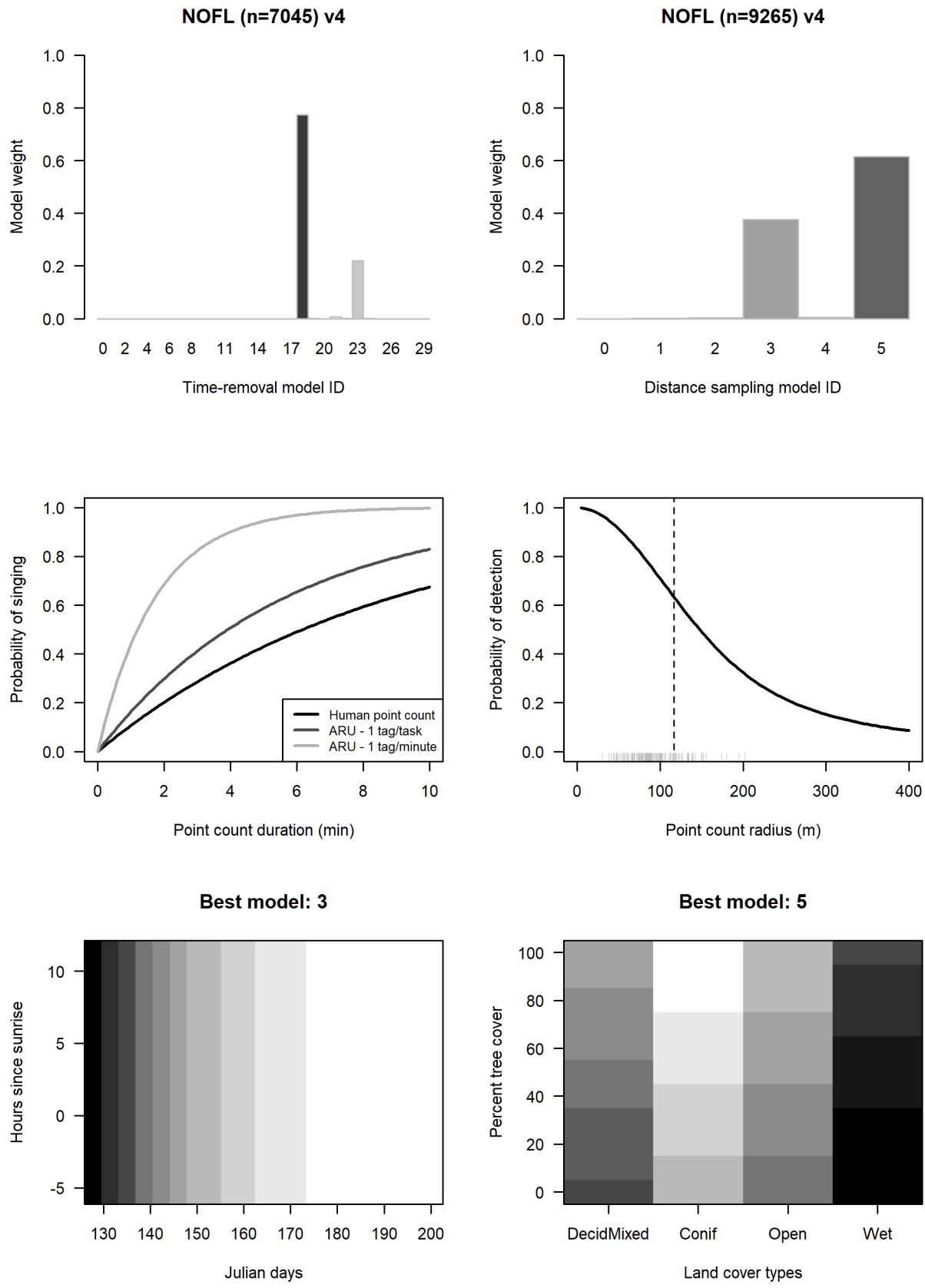


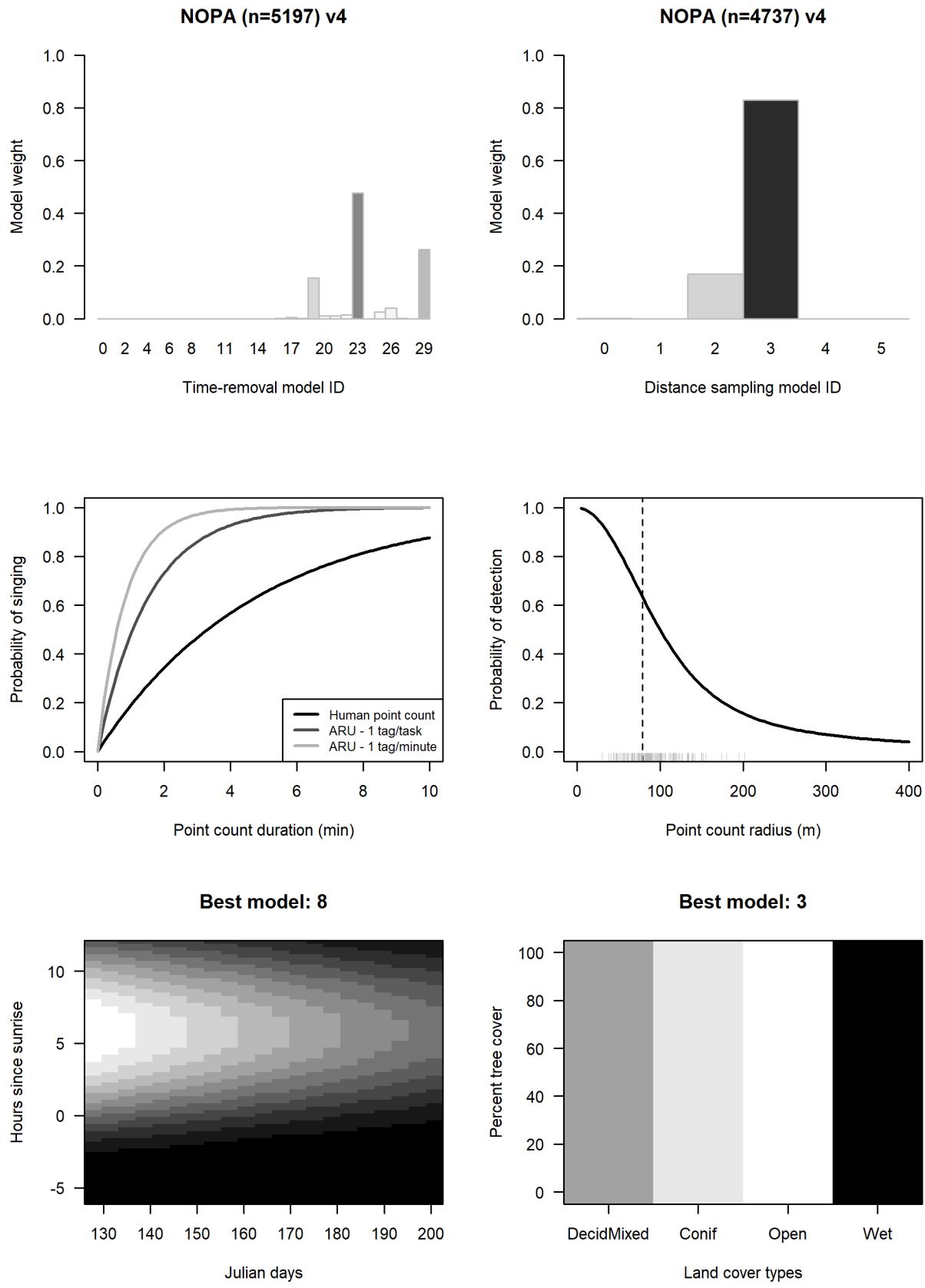




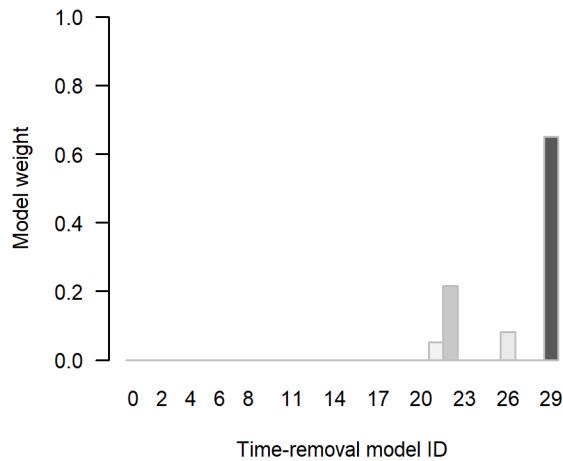




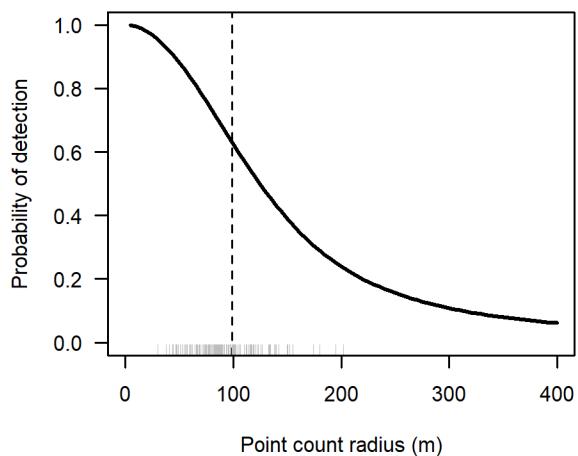
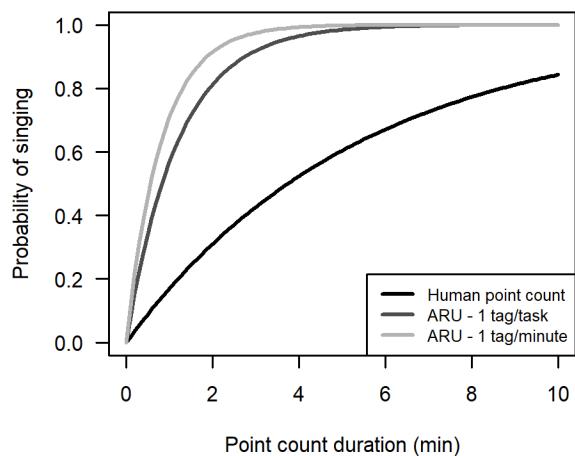
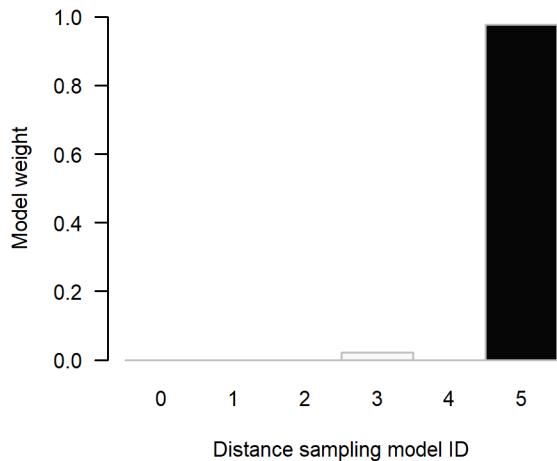




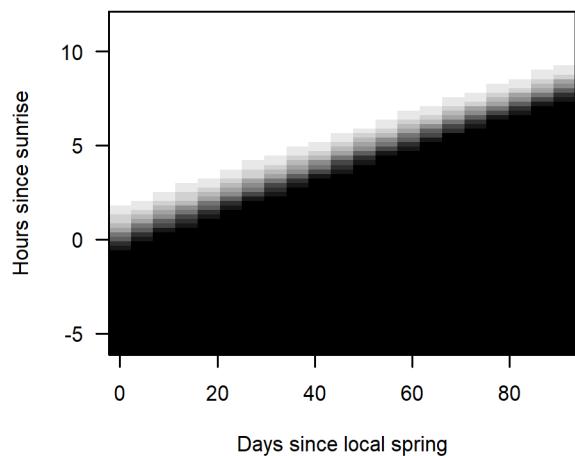
NOWA (n=8171) v4



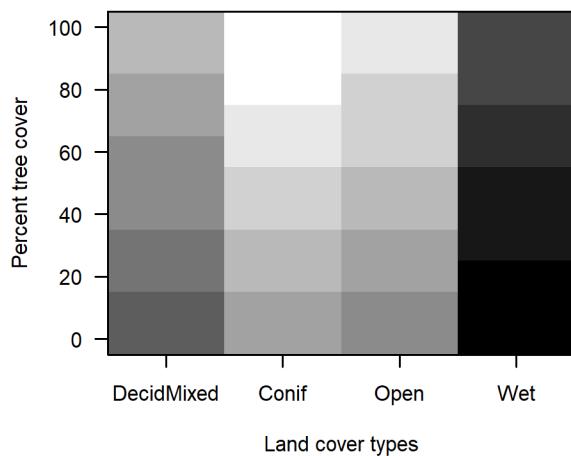
NOWA (n=6291) v4

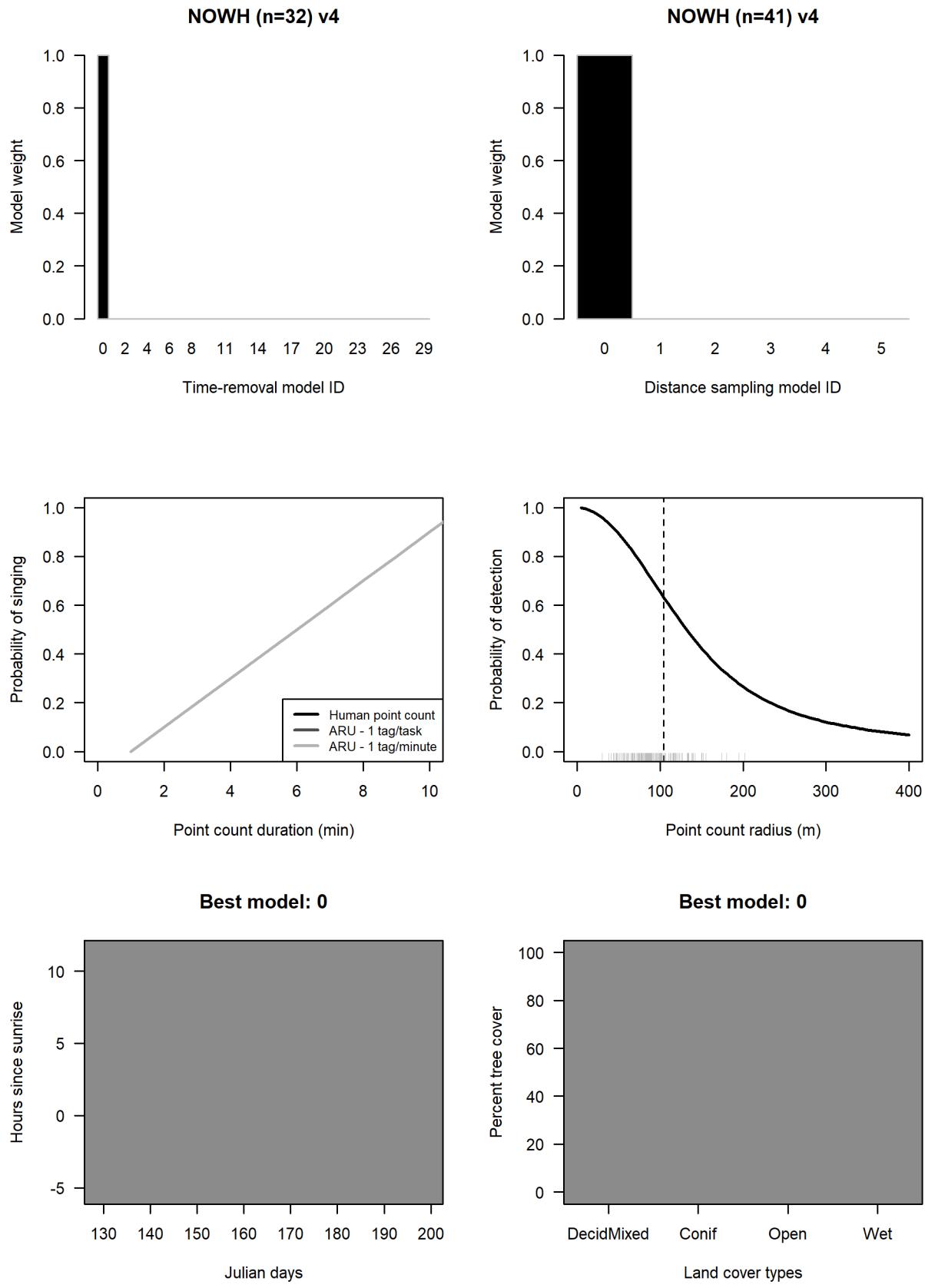


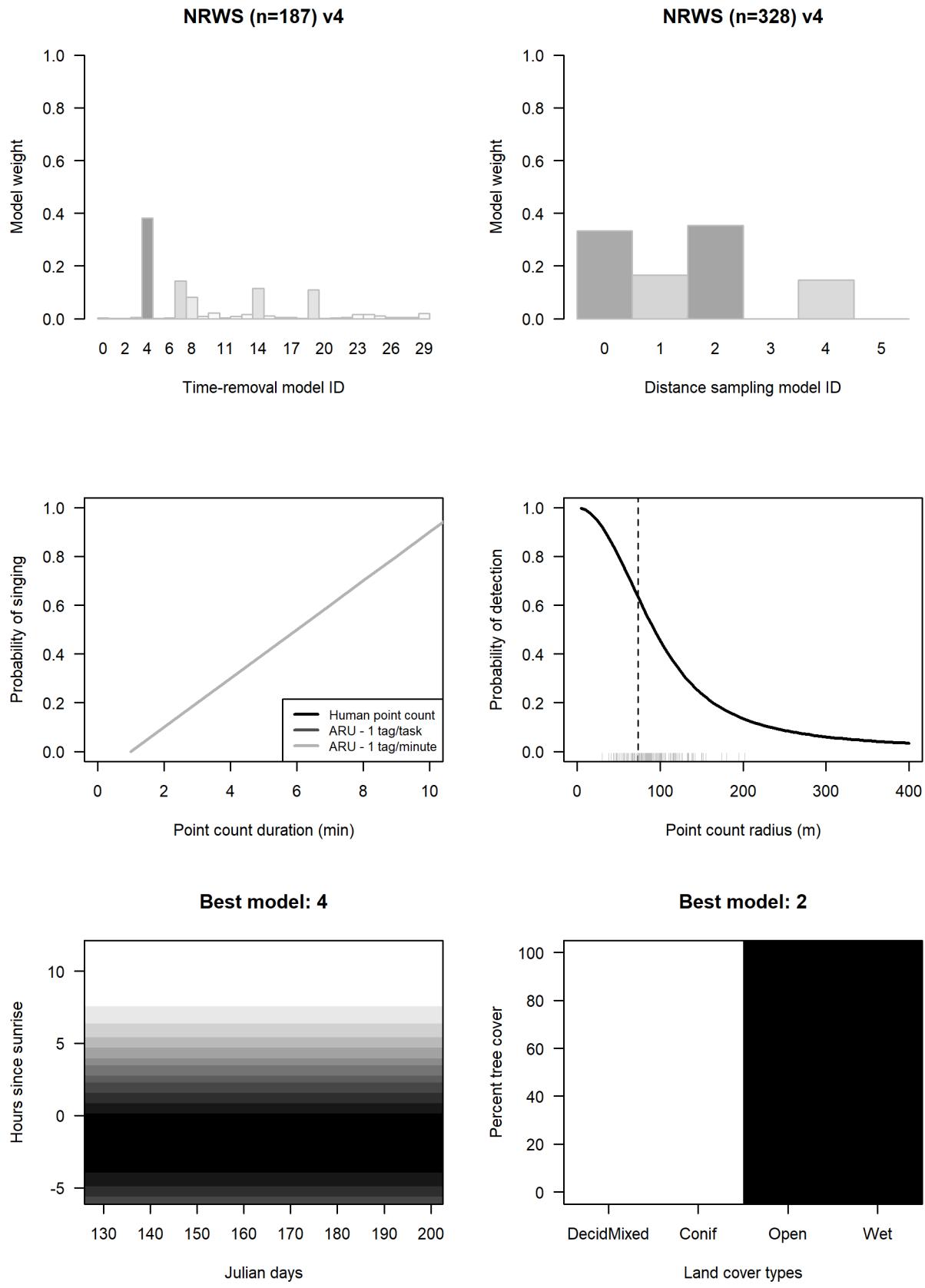
Best model: 14

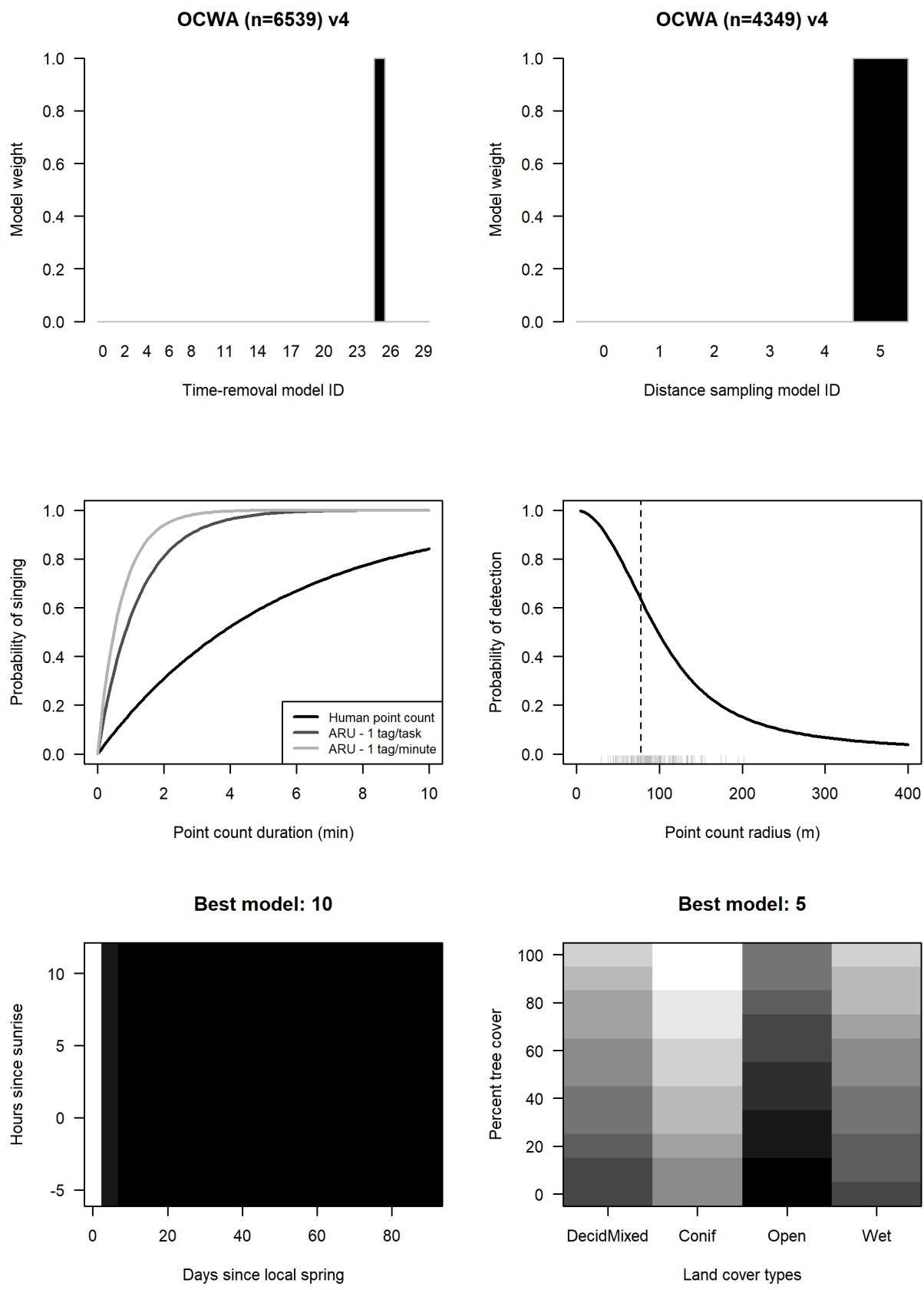


Best model: 5

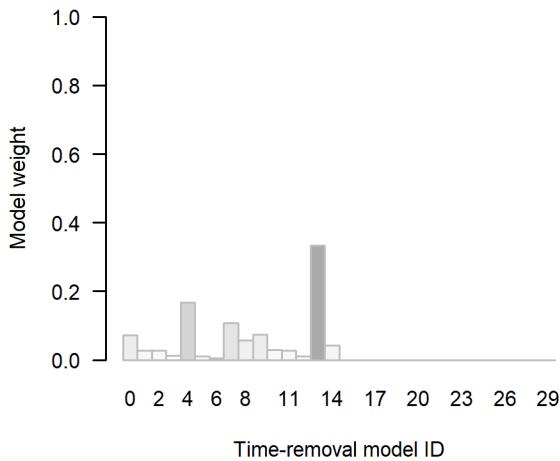




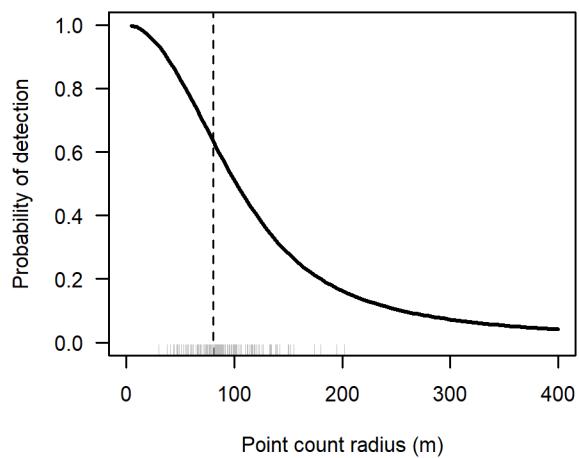
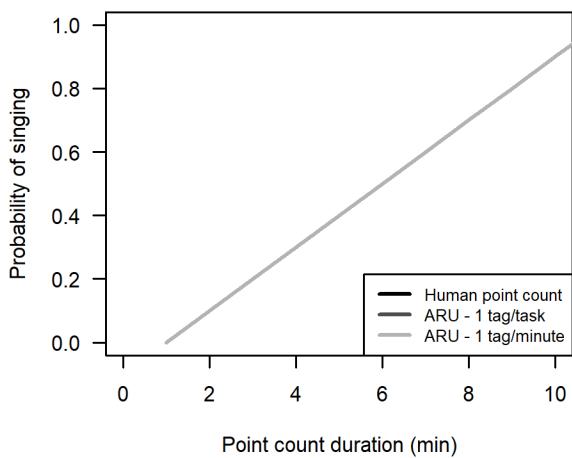
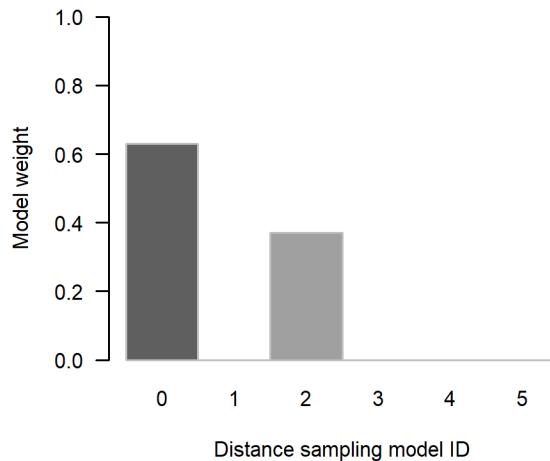




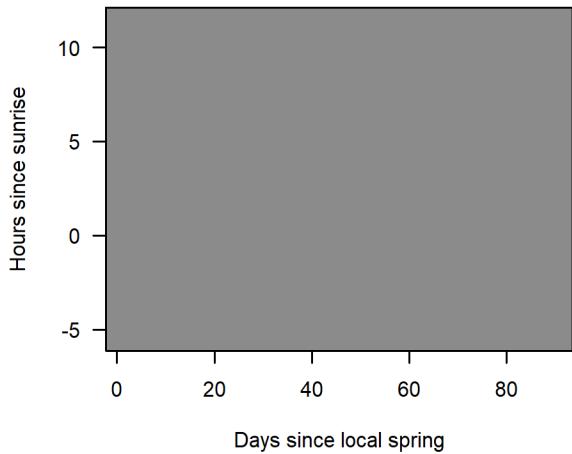
OROR (n=135) v4



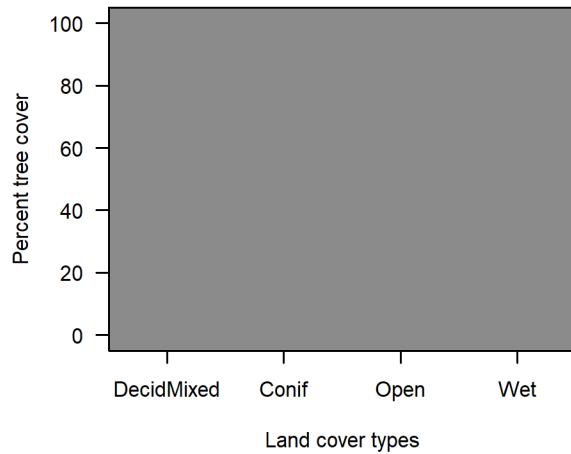
OROR (n=126) v4

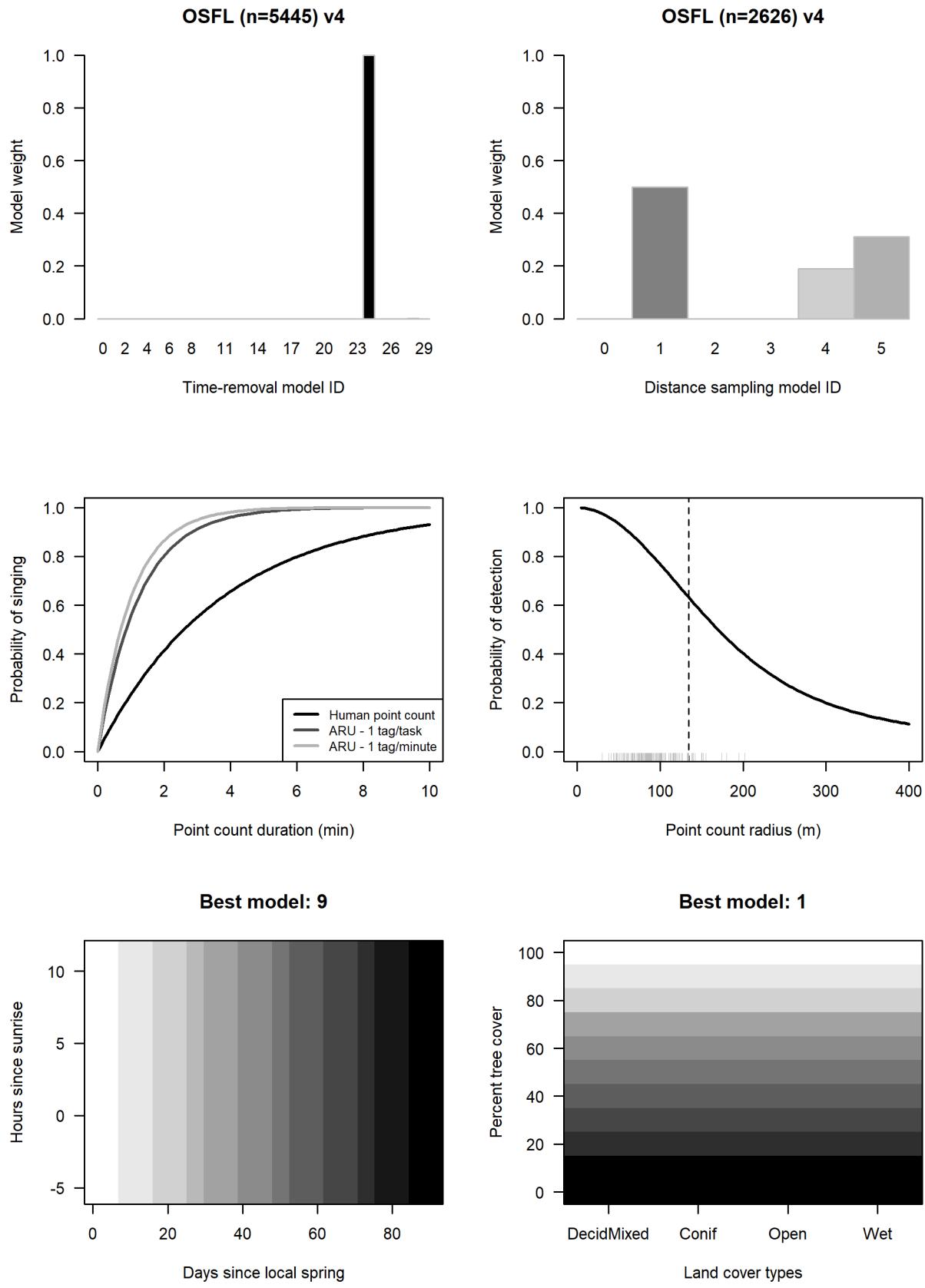


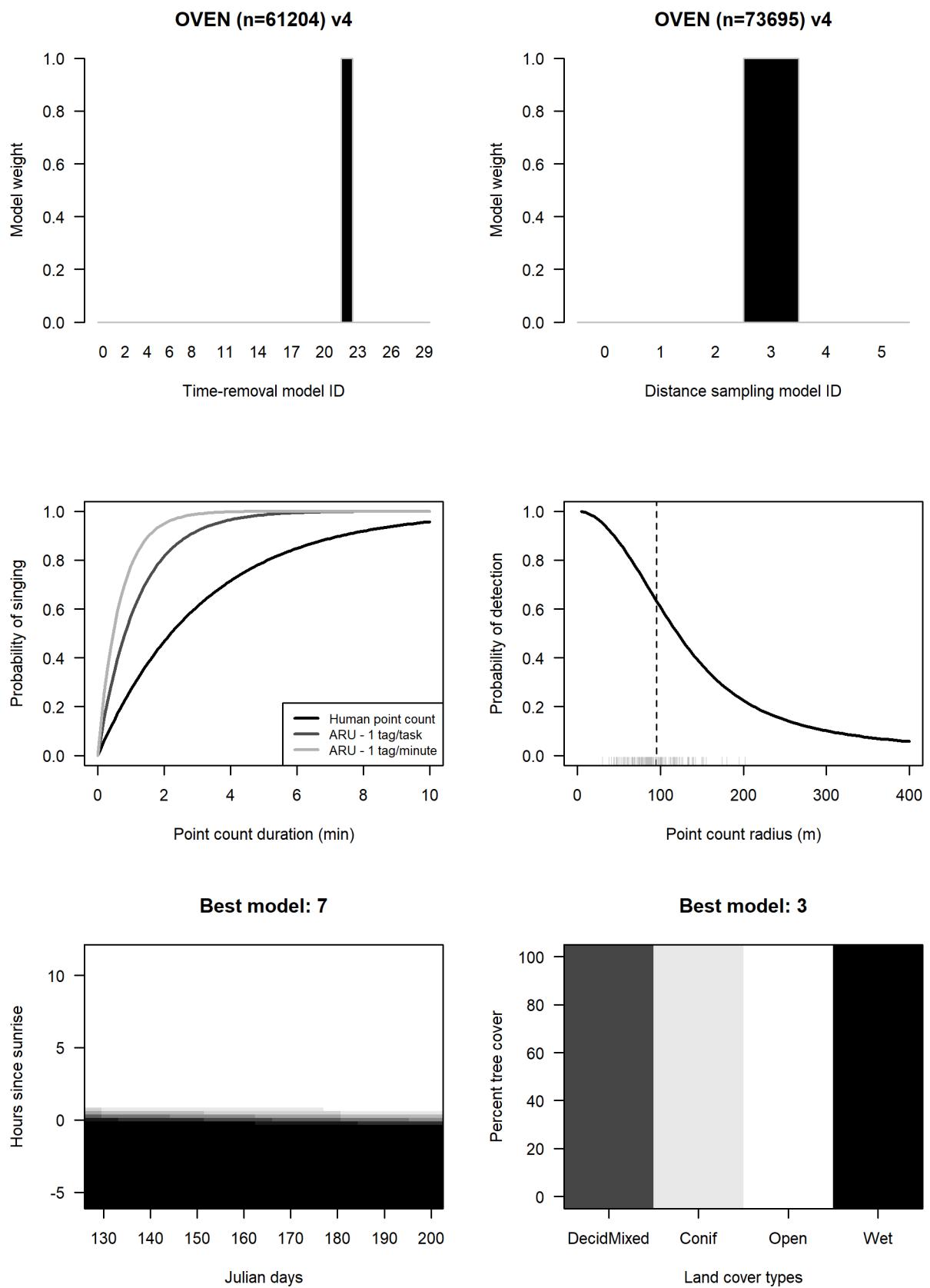
Best model: 13

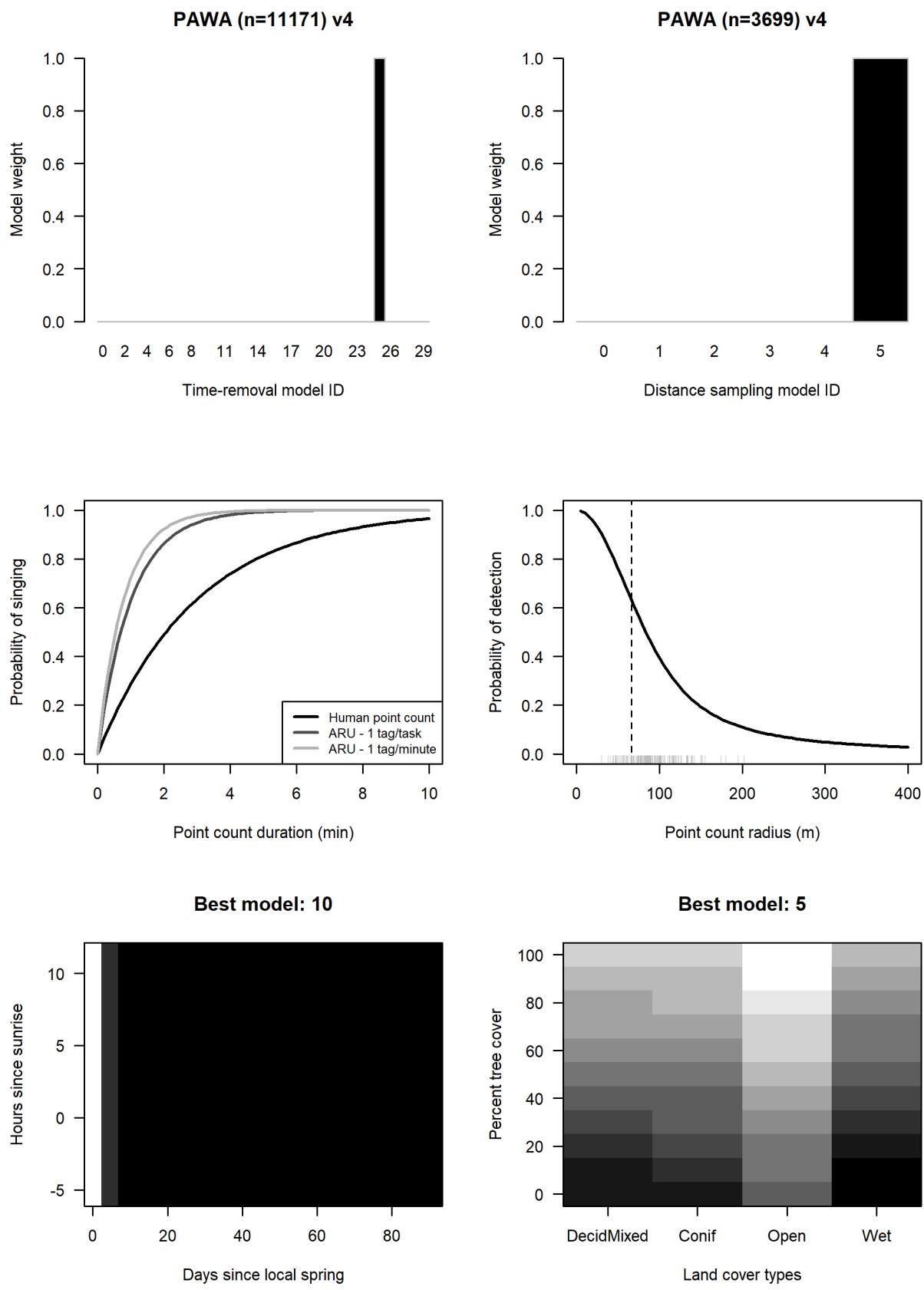


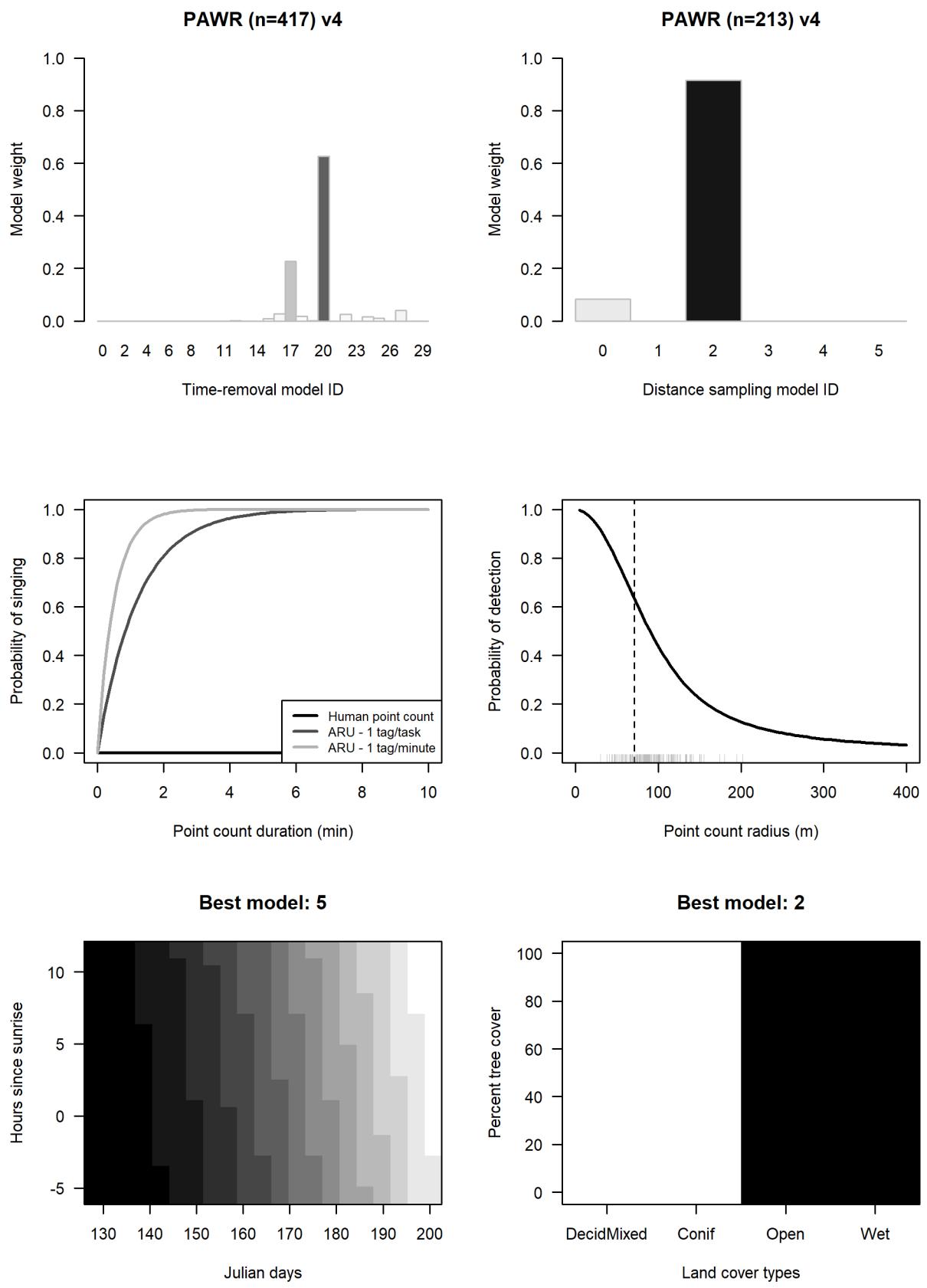
Best model: 0

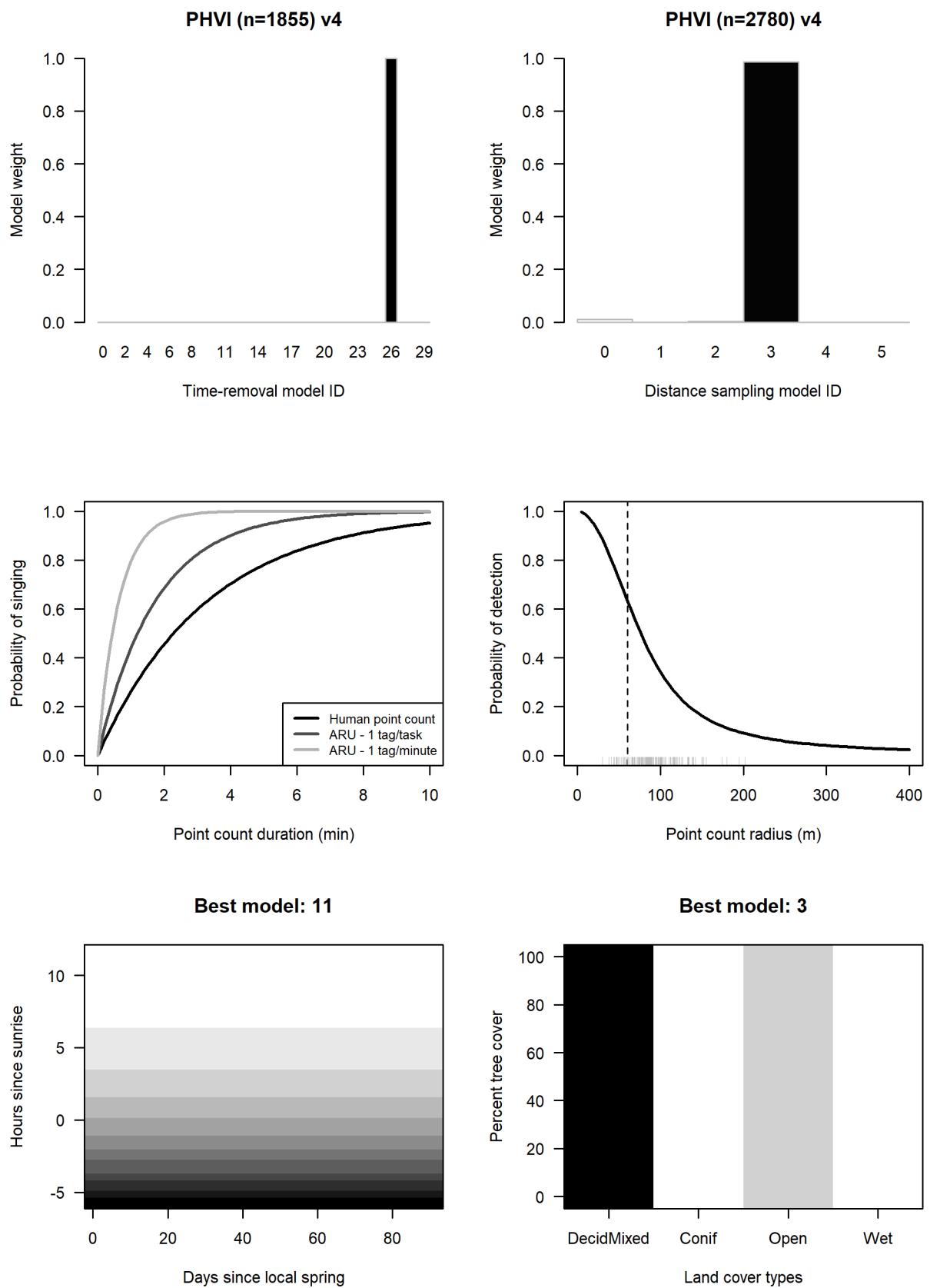


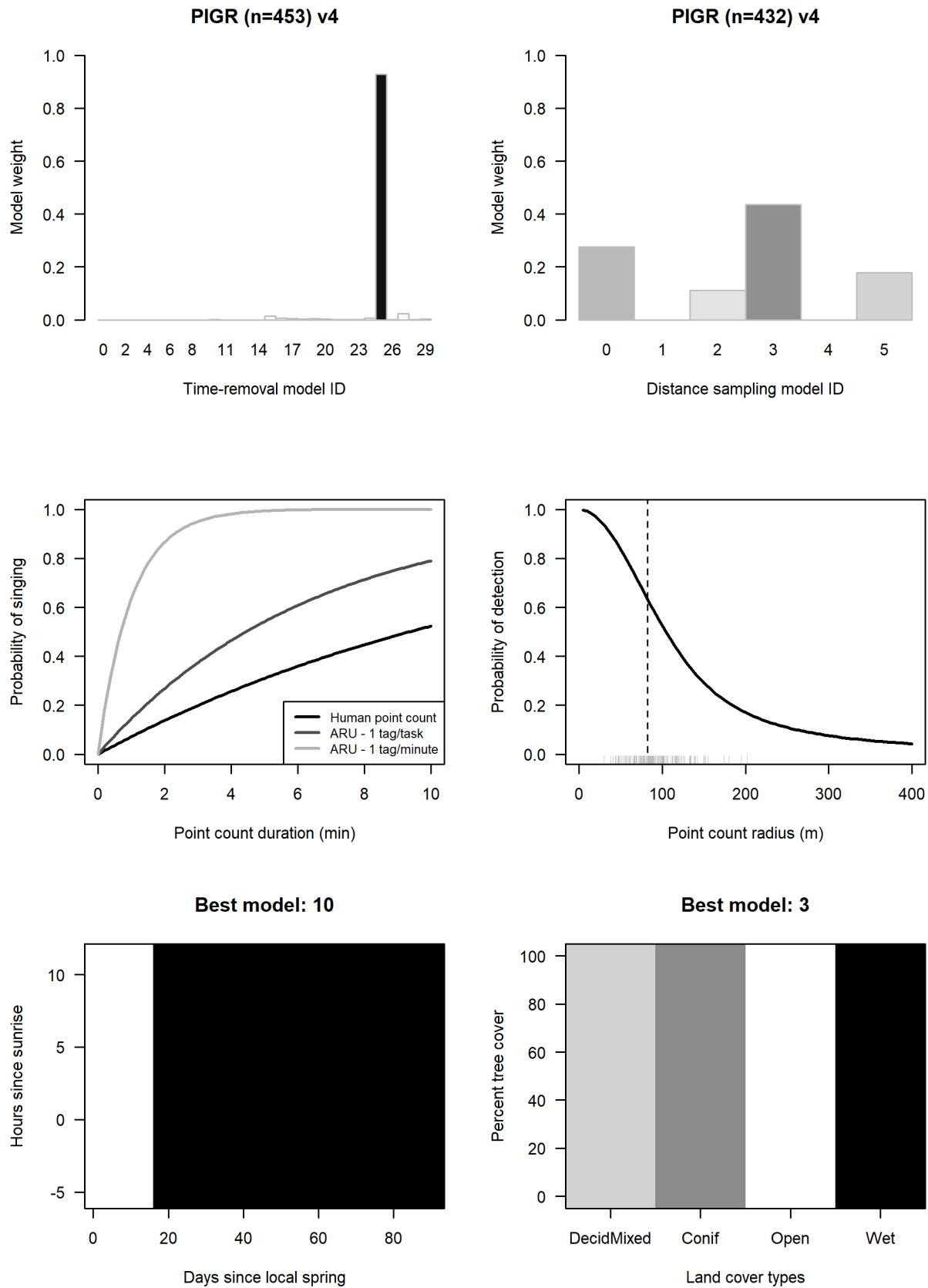


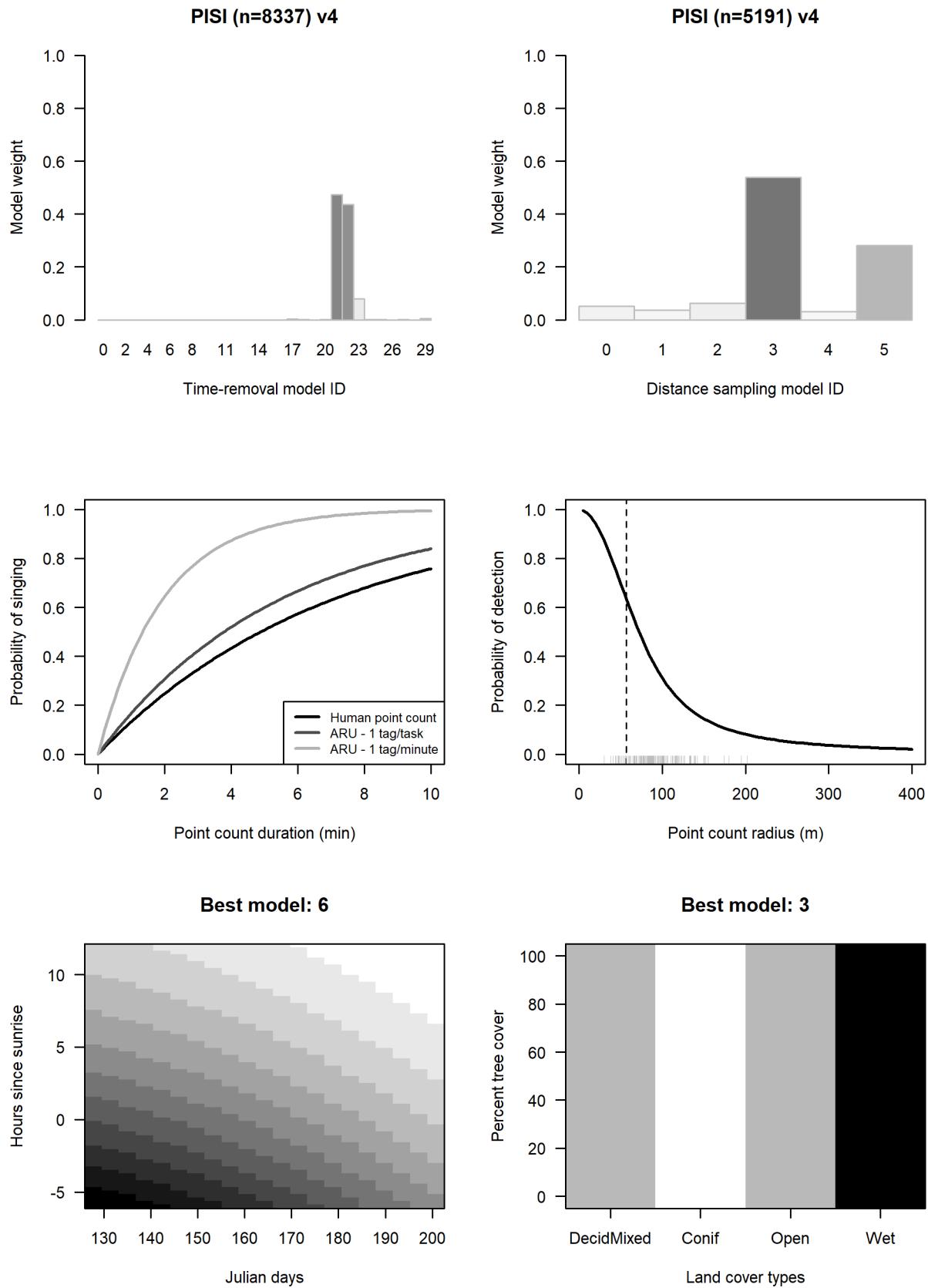


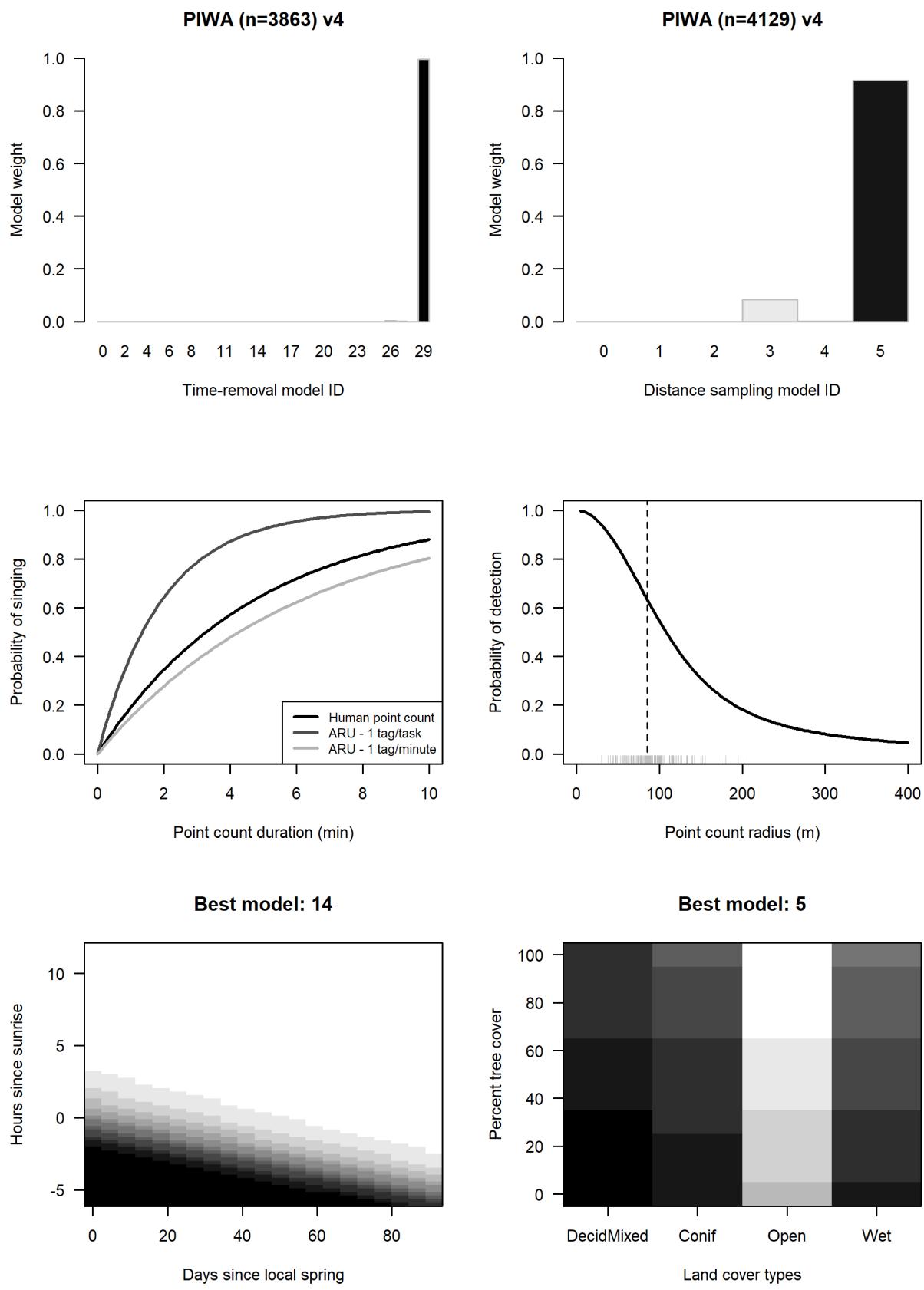


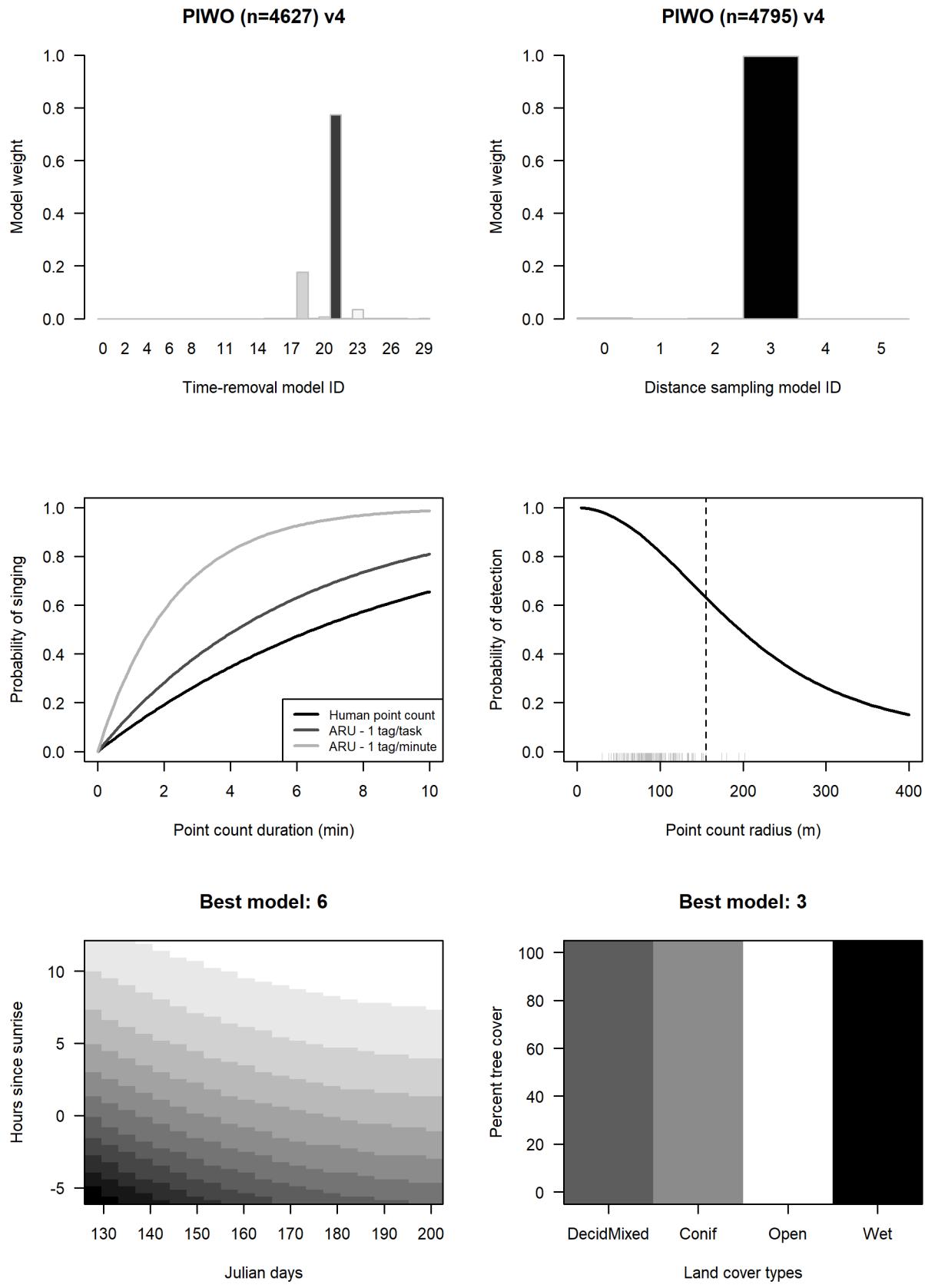


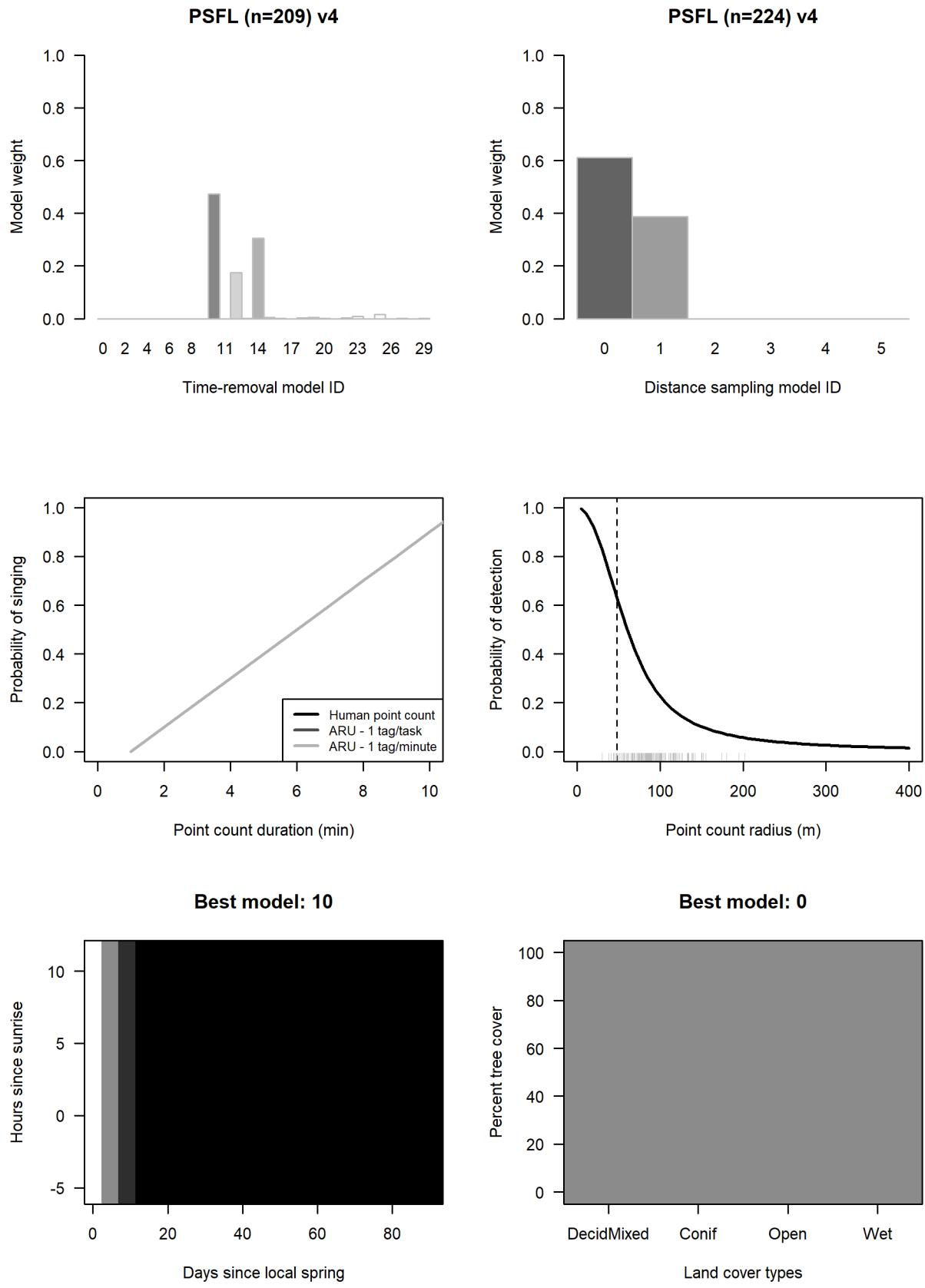


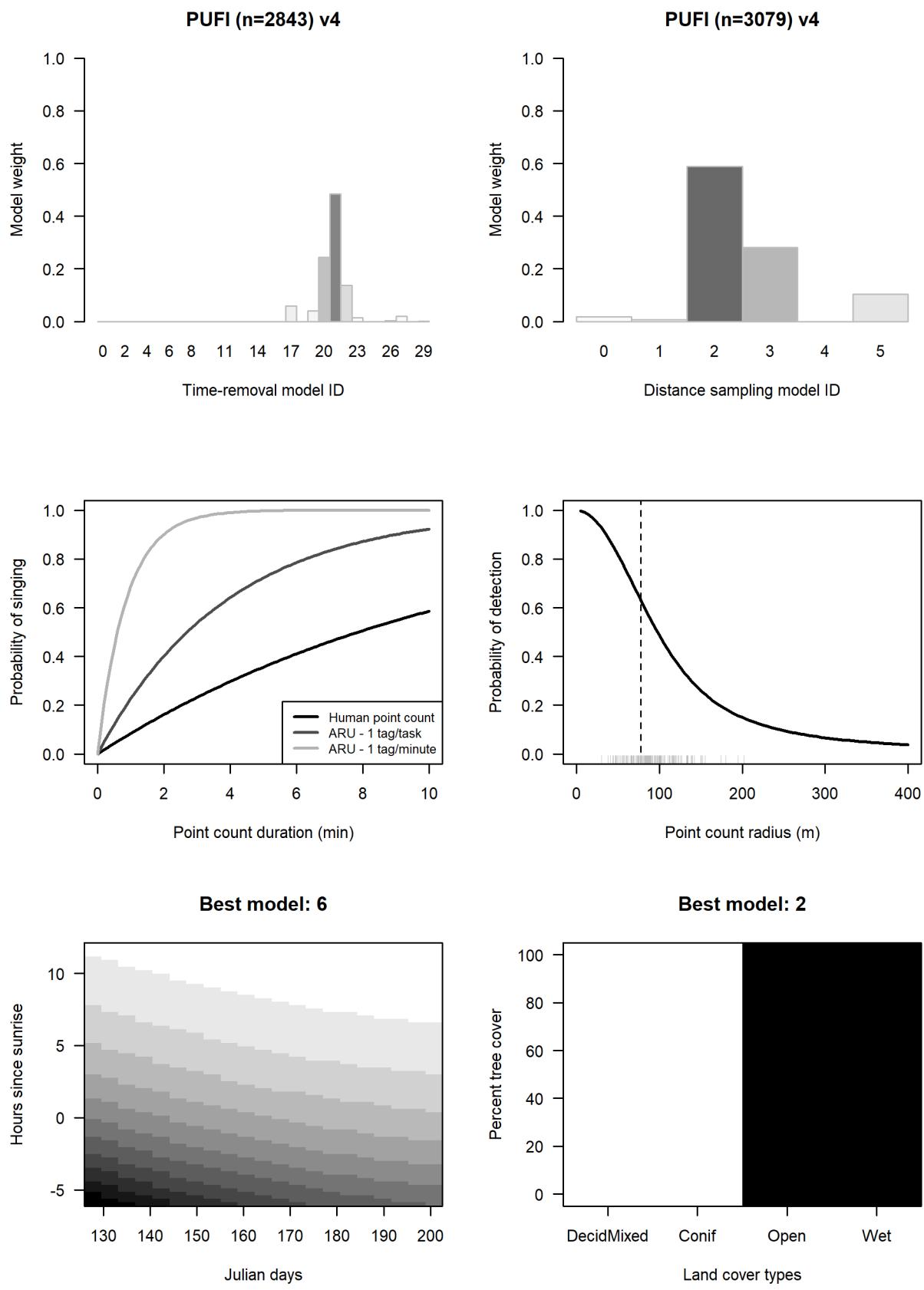


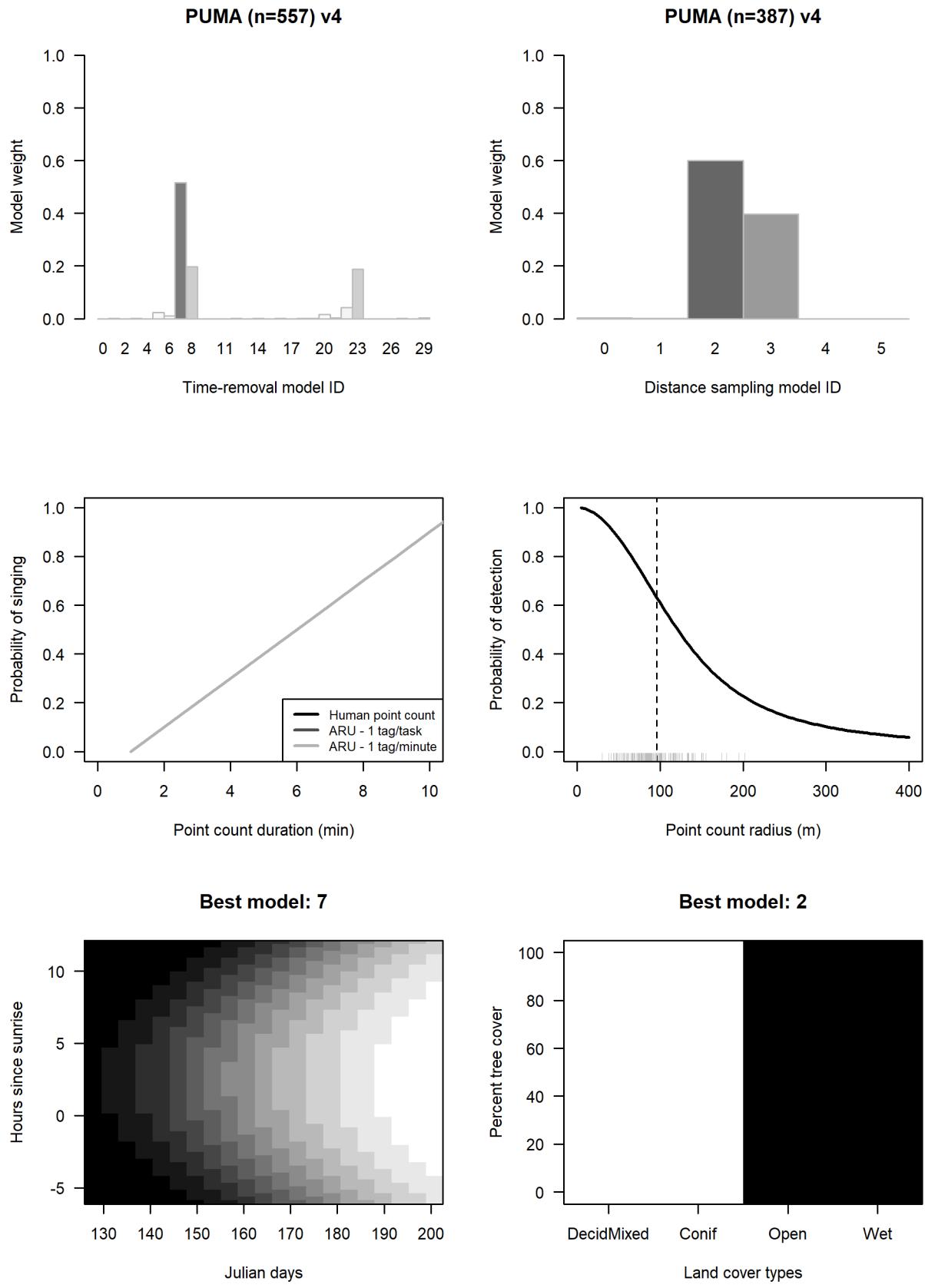


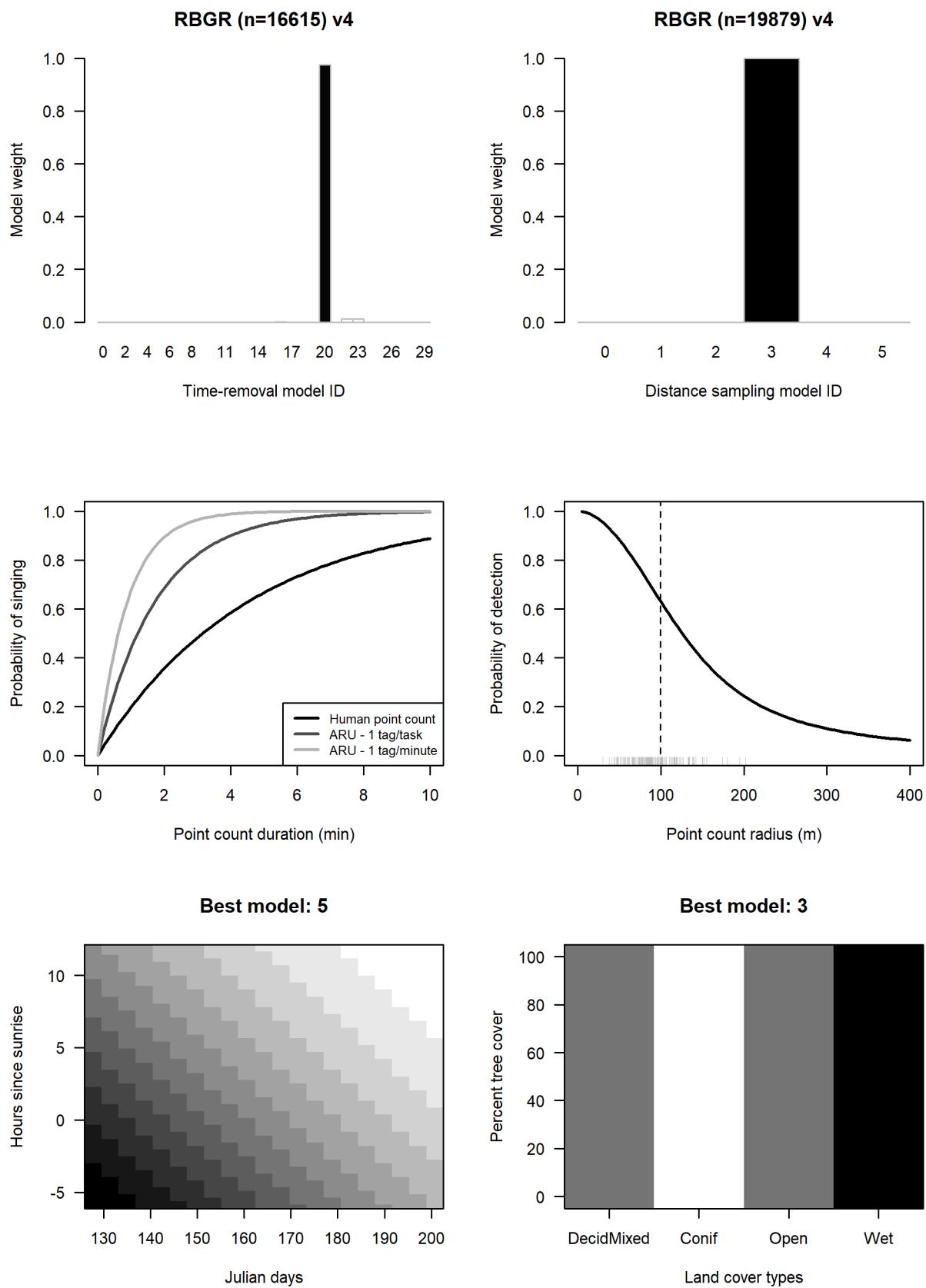


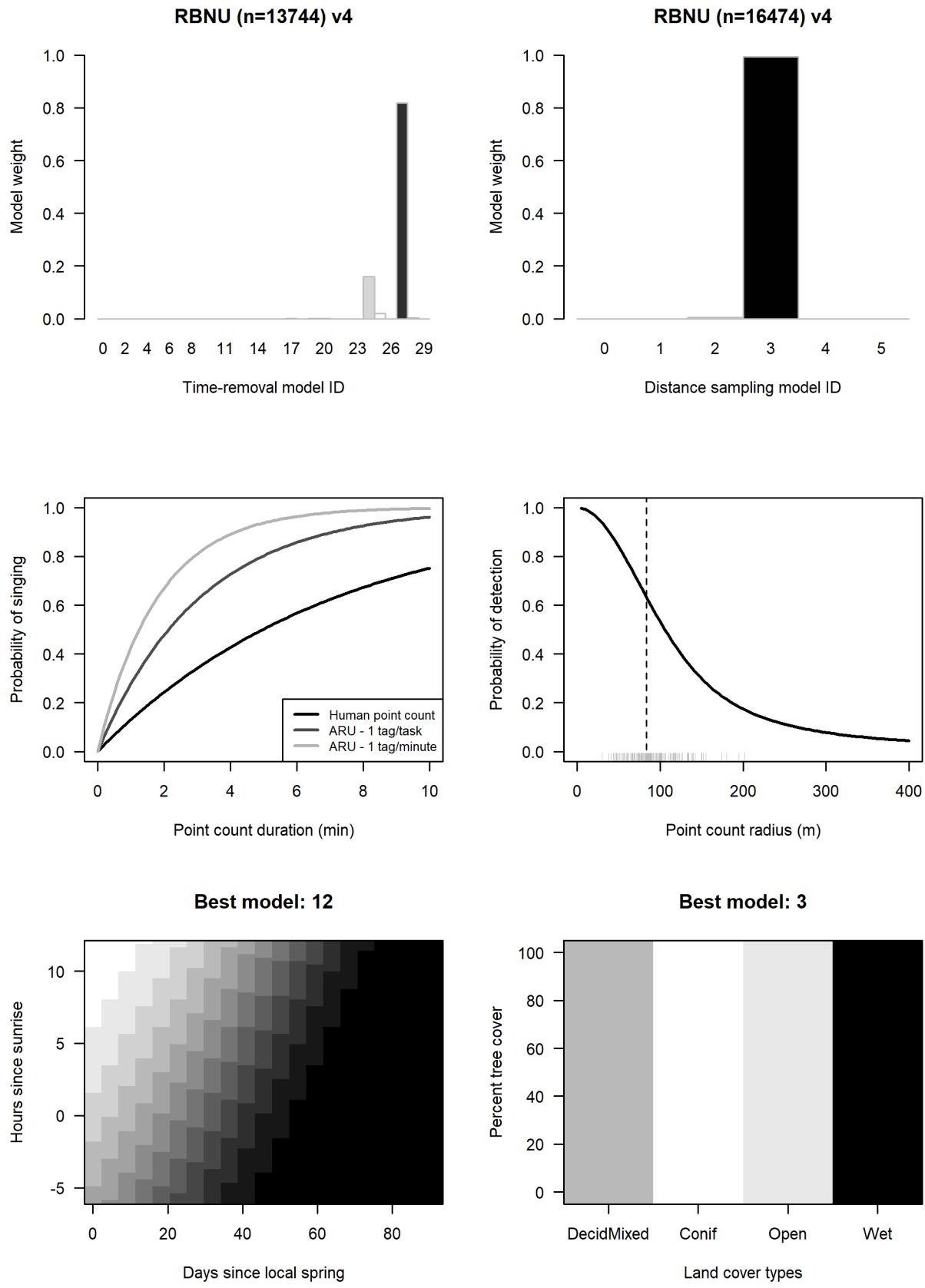


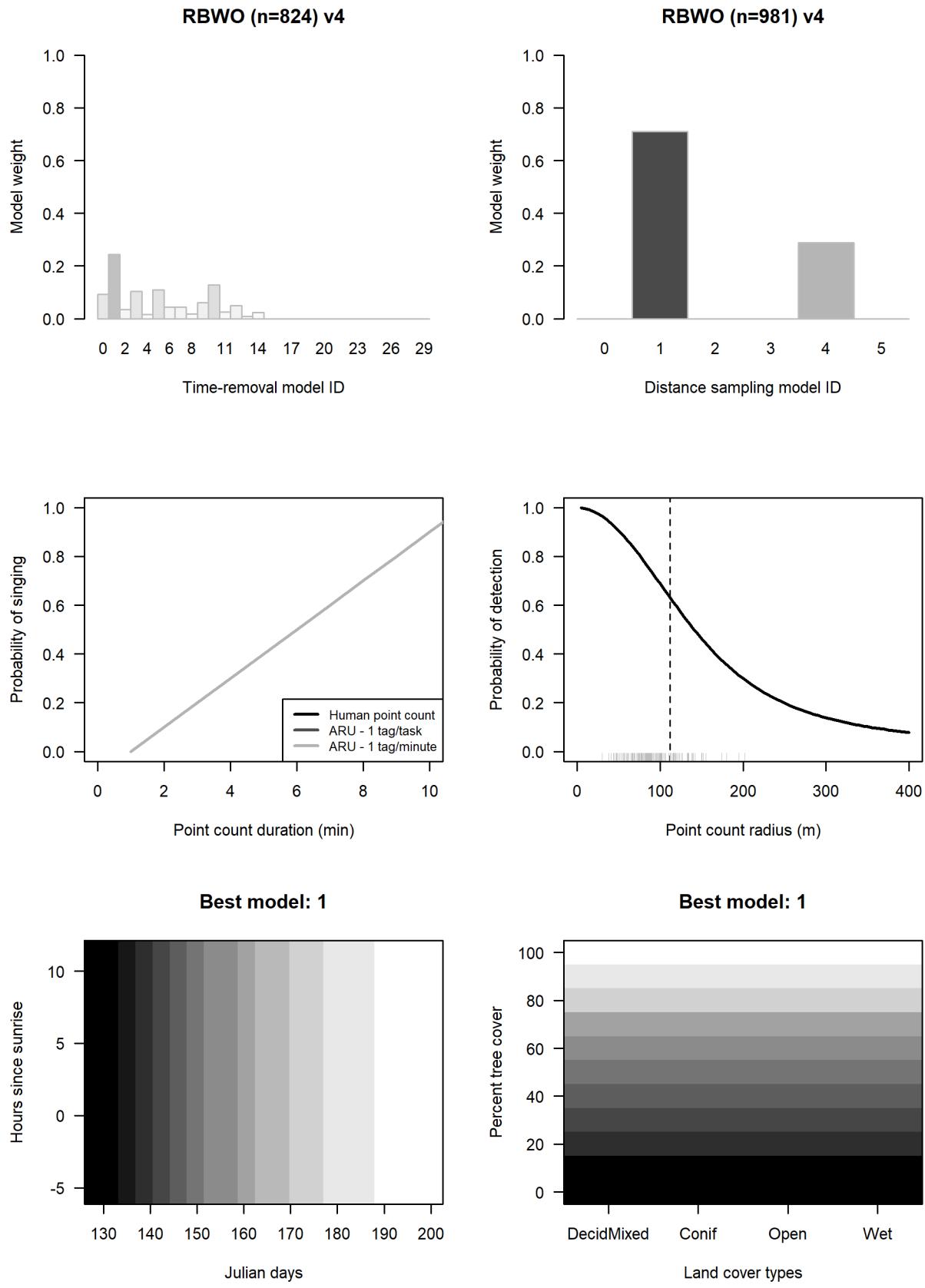




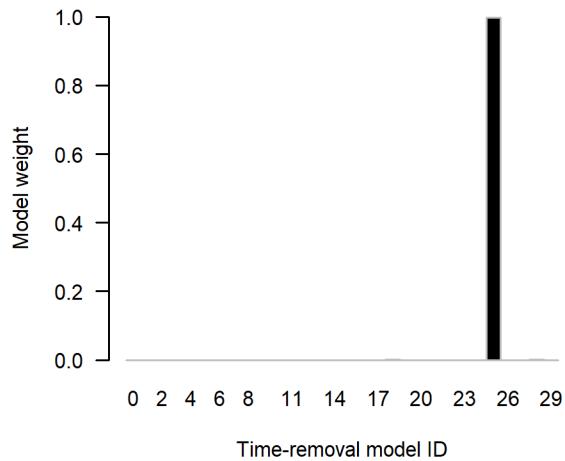




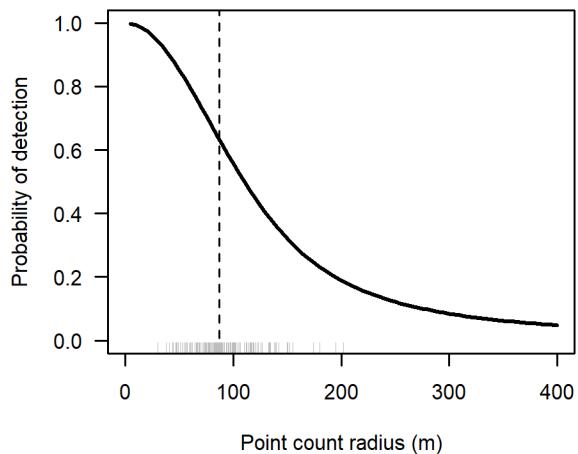
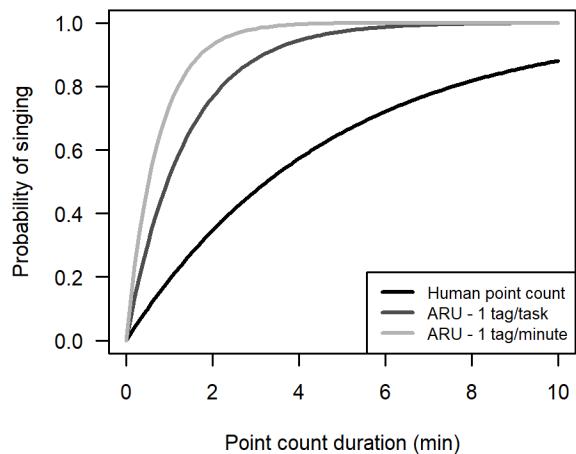
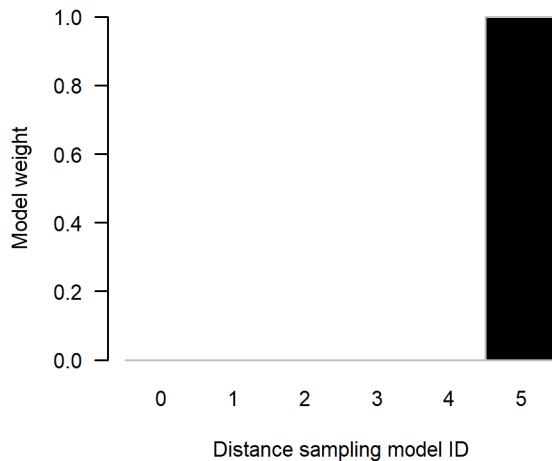




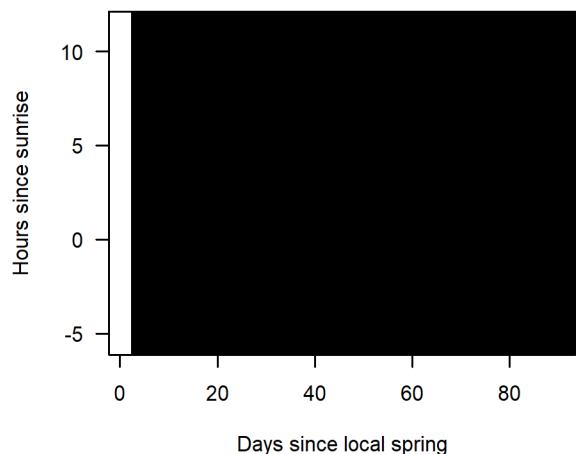
RCKI (n=25289) v4



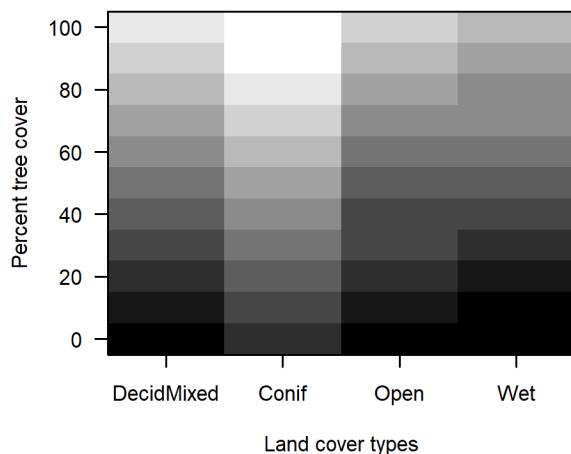
RCKI (n=17838) v4

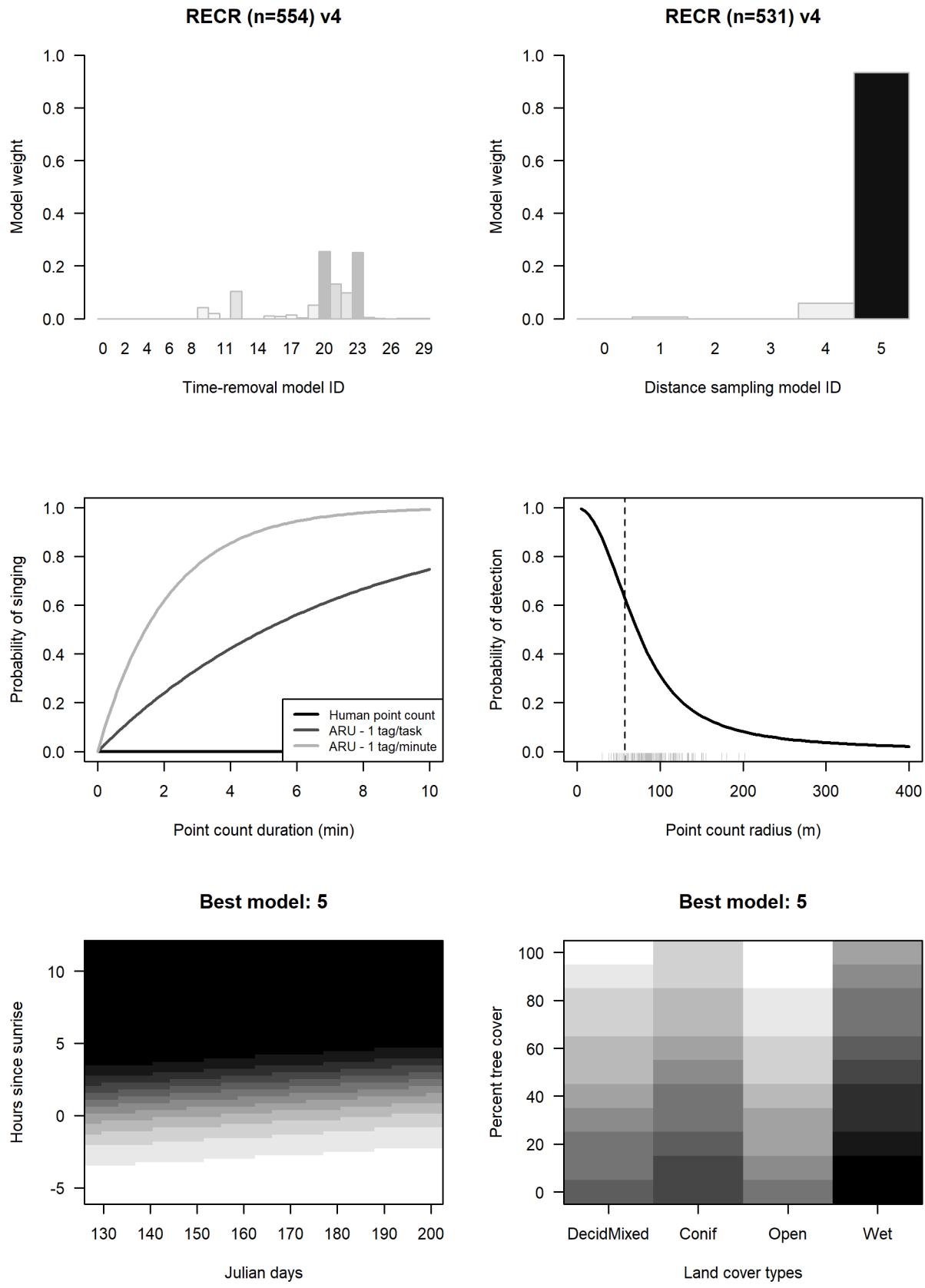


Best model: 10

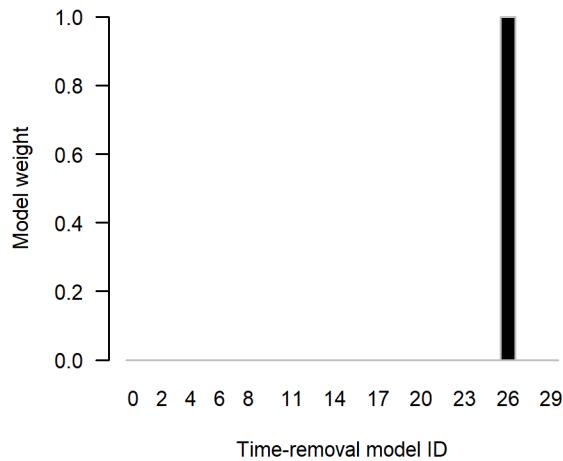


Best model: 5

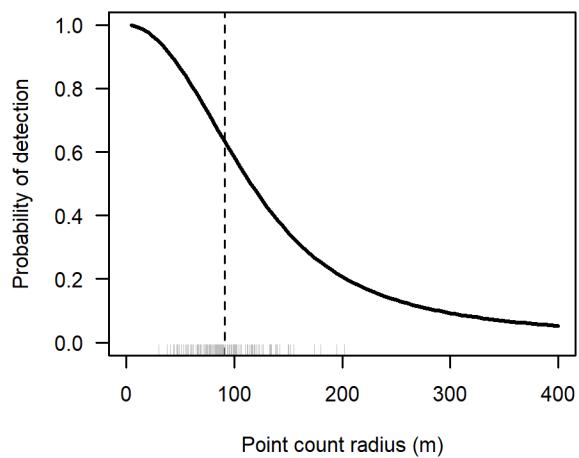
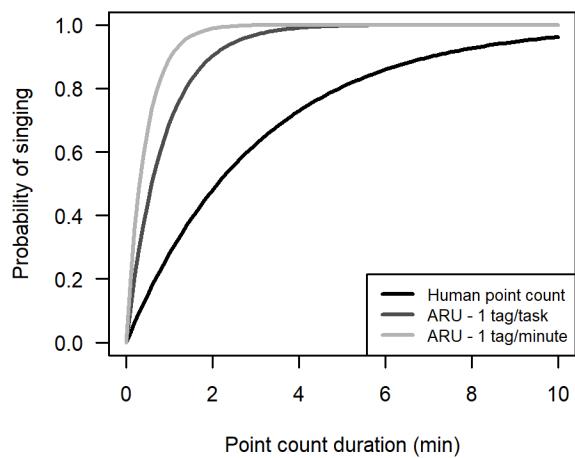
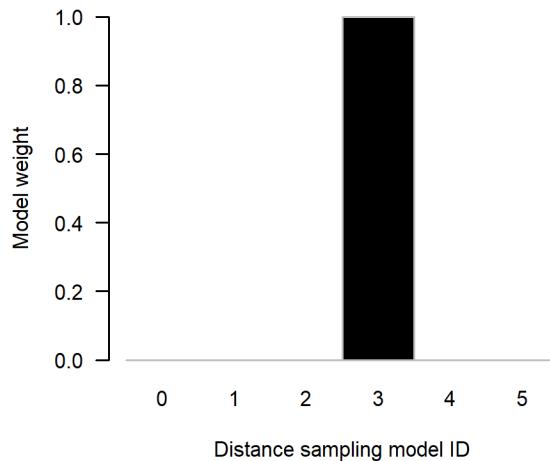




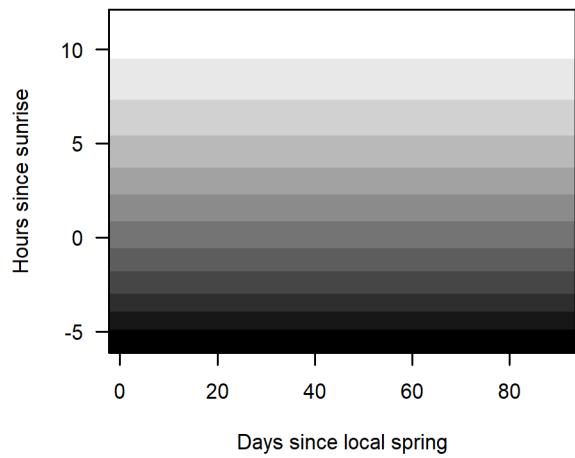
REVI (n=60454) v4



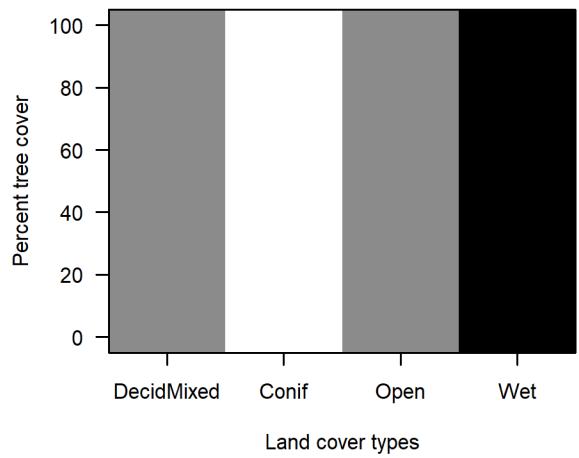
REVI (n=69505) v4

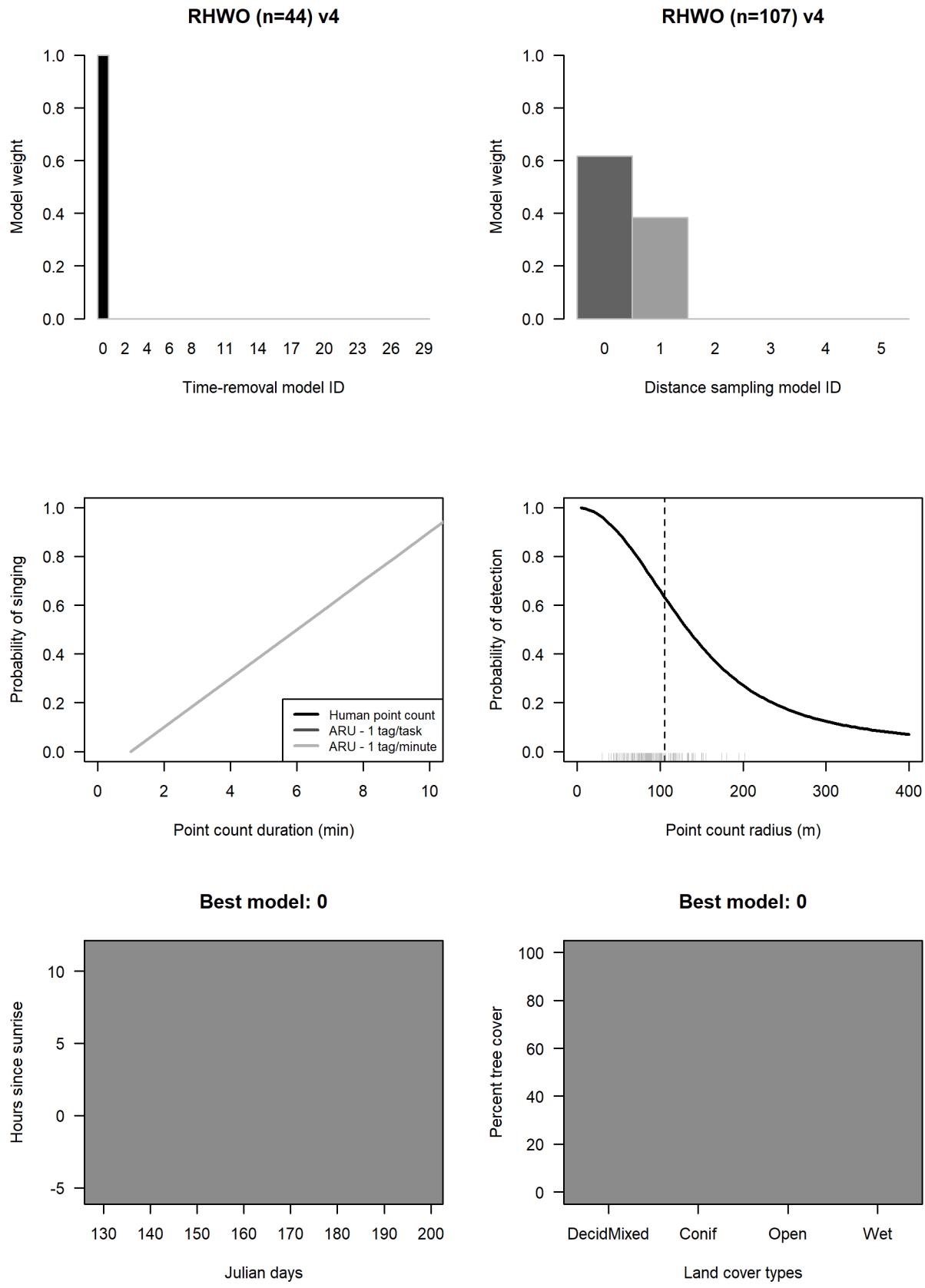


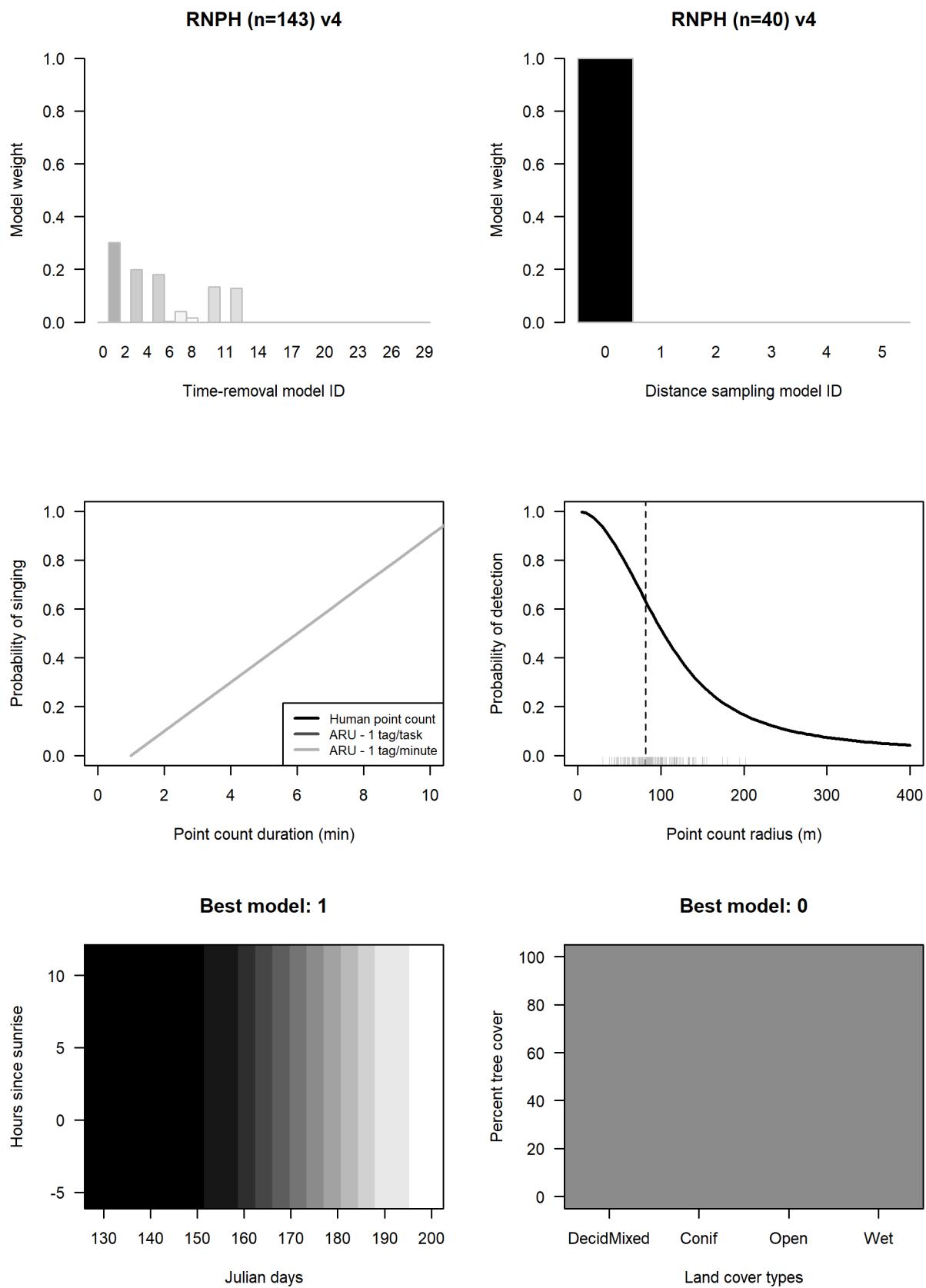
Best model: 11

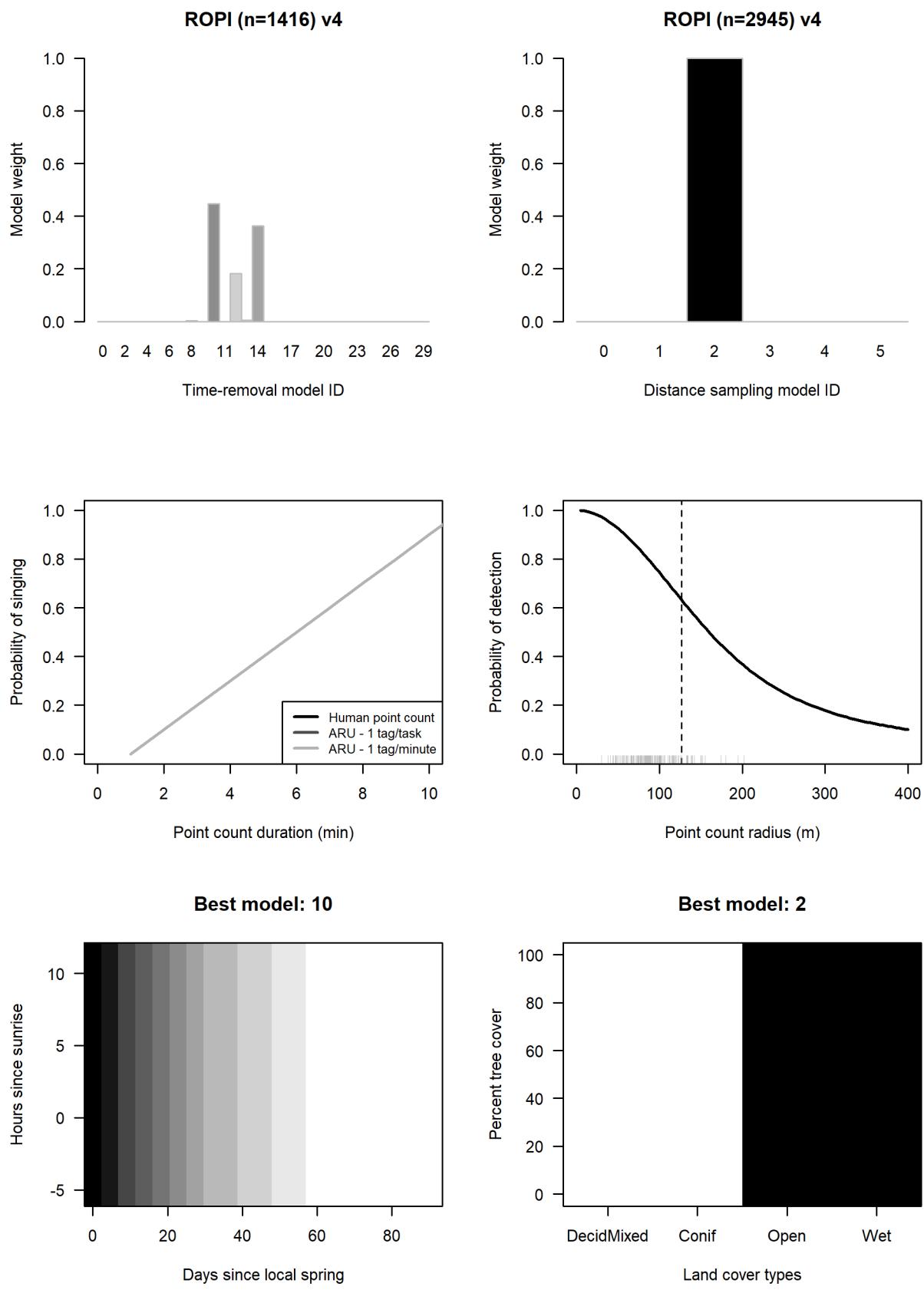


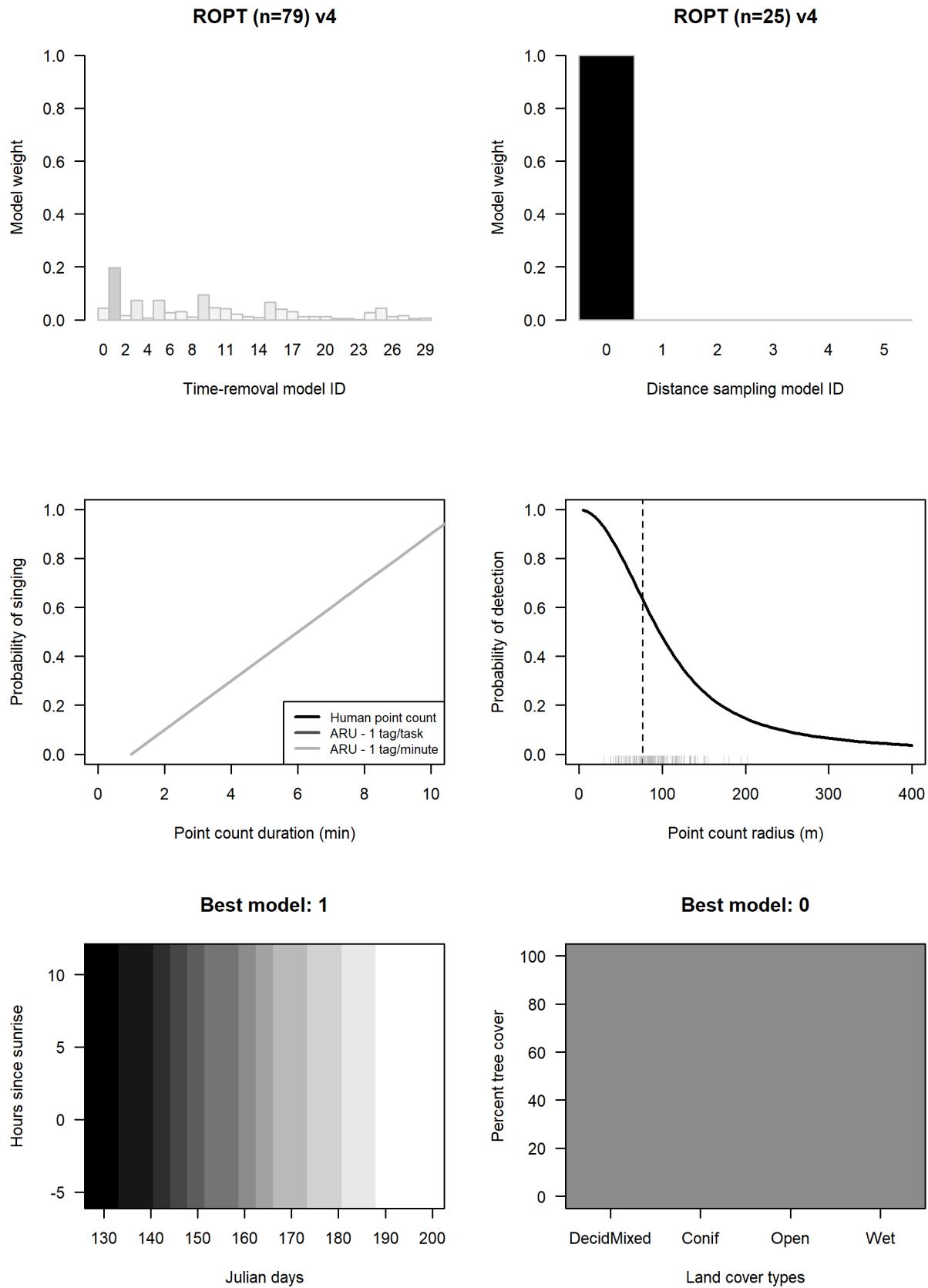
Best model: 3

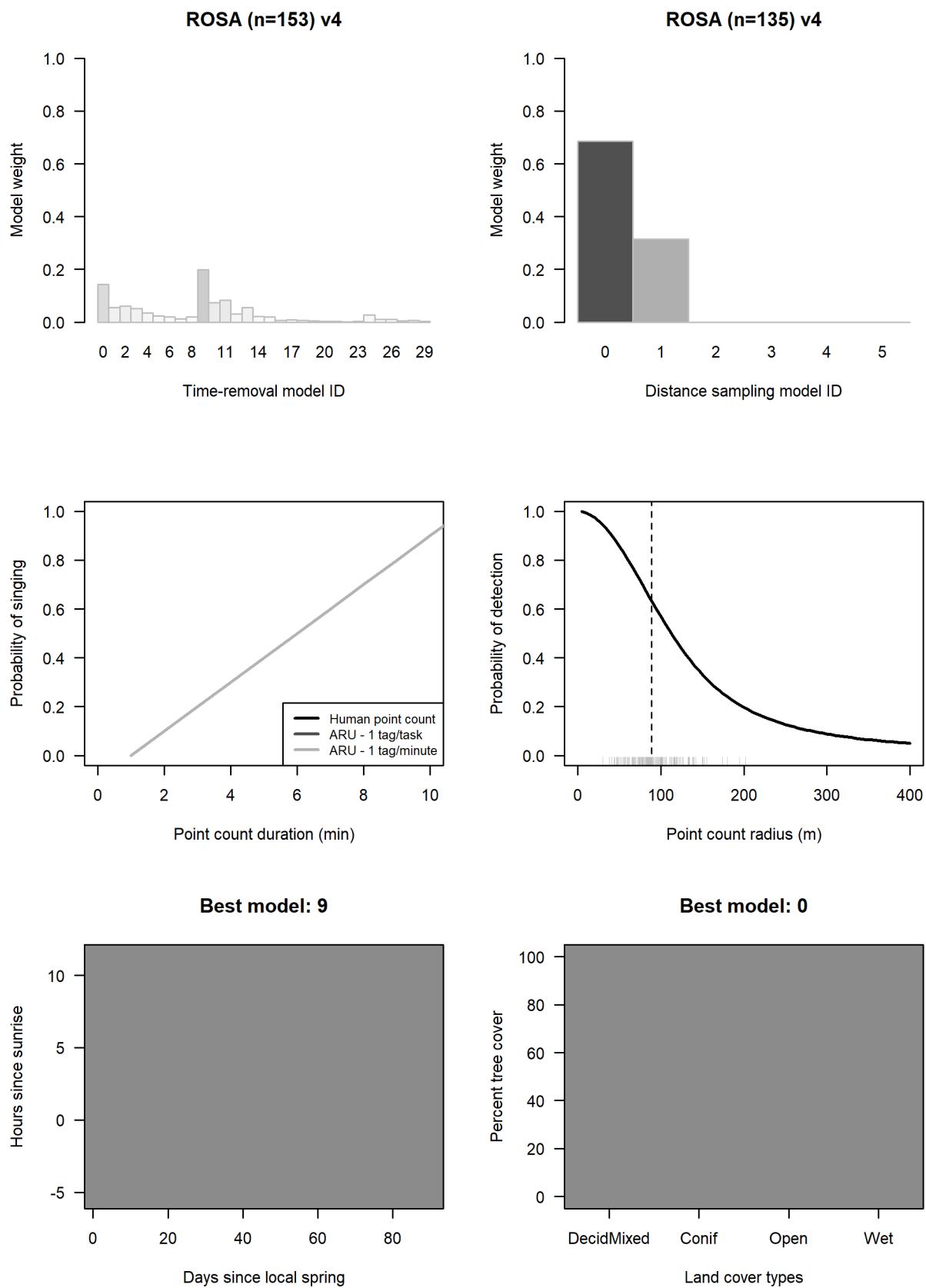


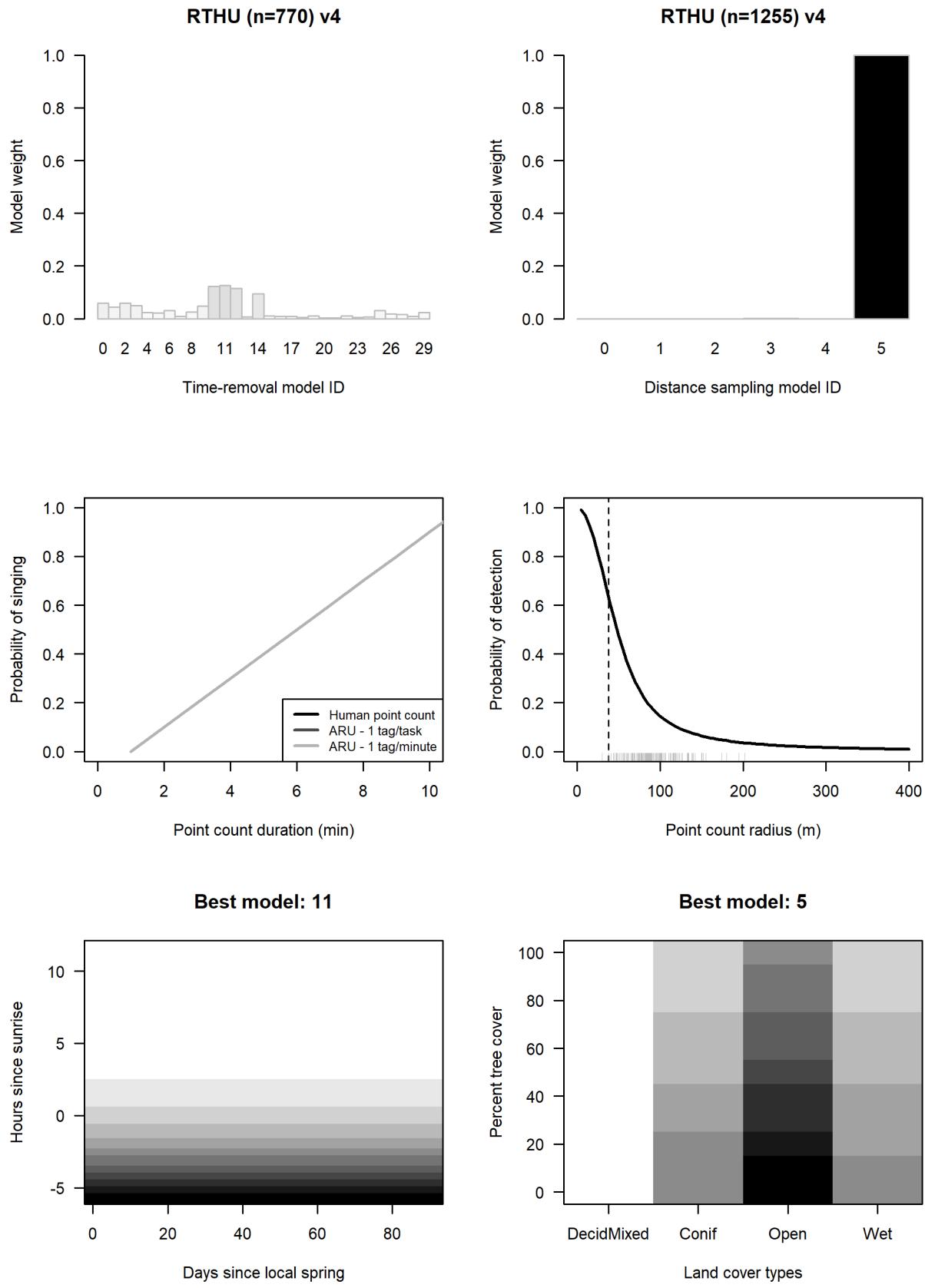




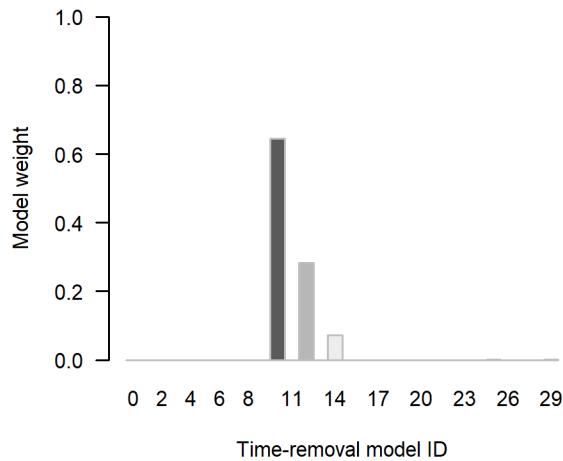




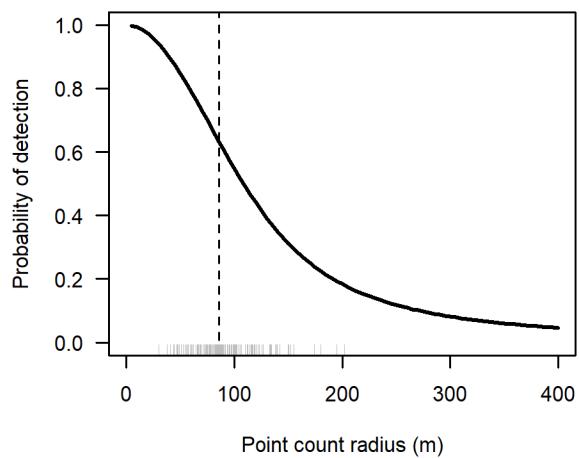
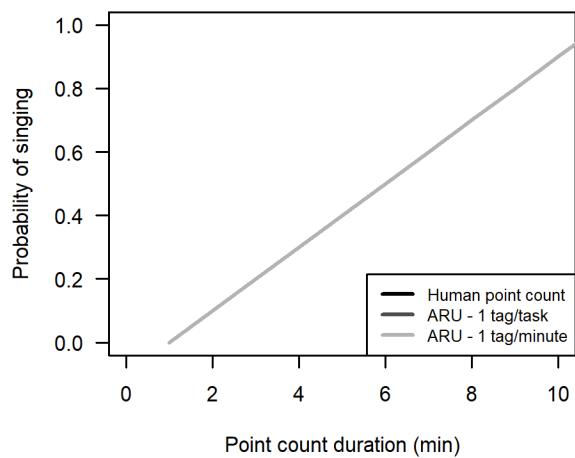
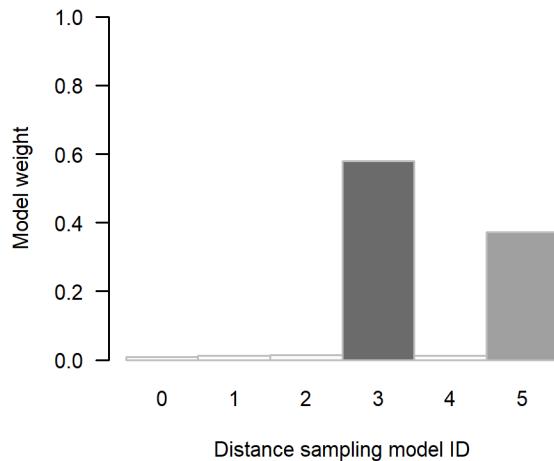




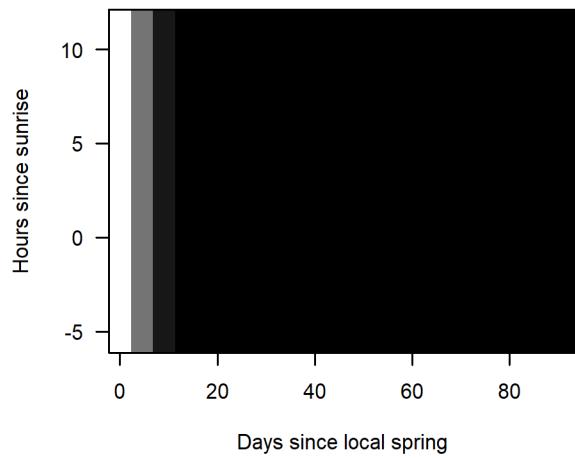
RUBL (n=1419) v4



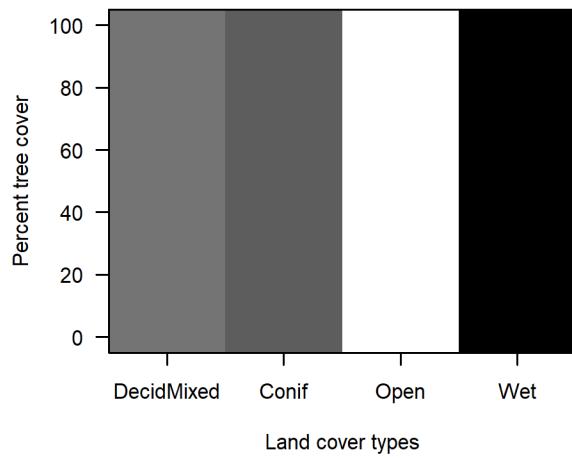
RUBL (n=589) v4

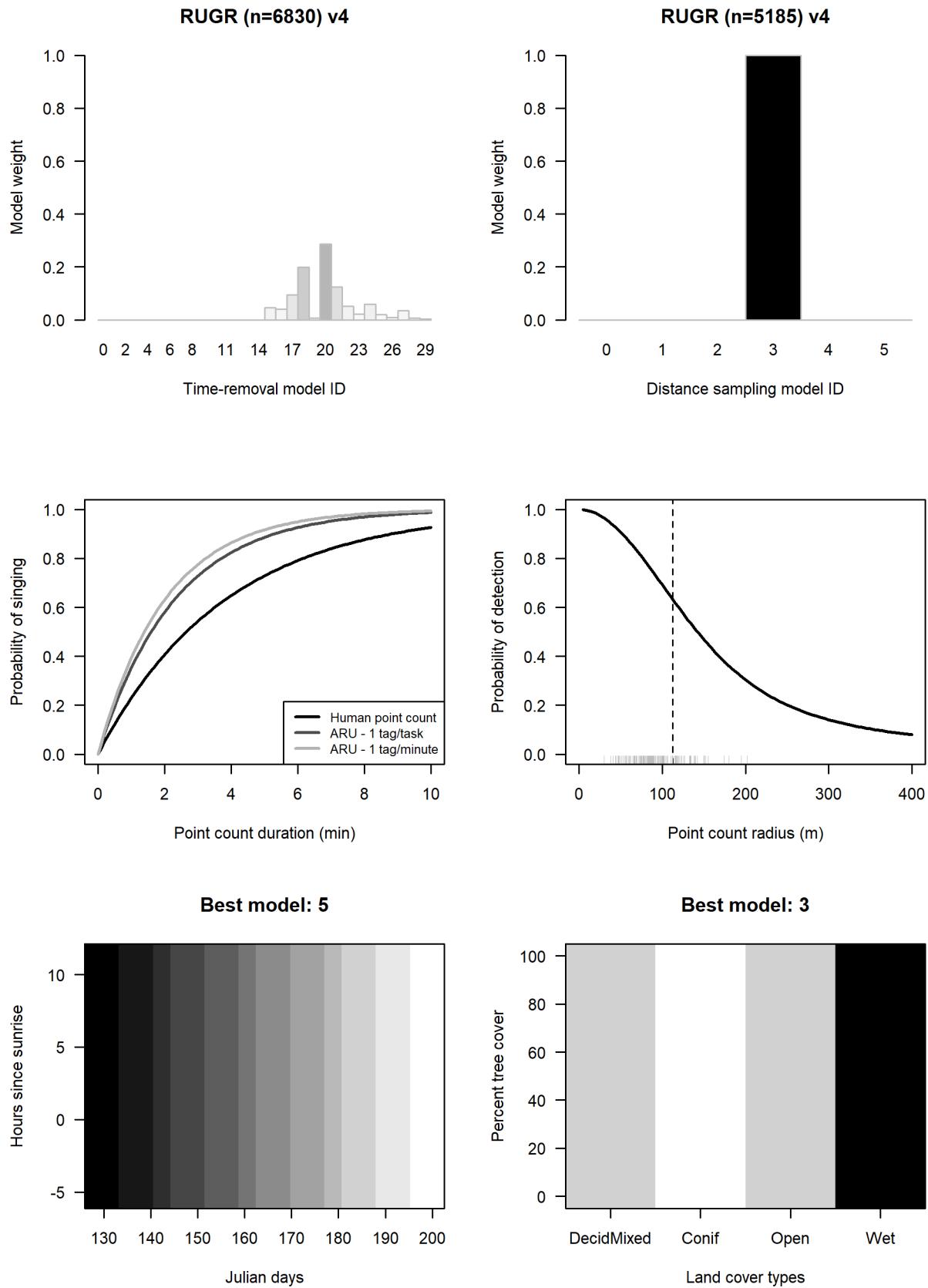


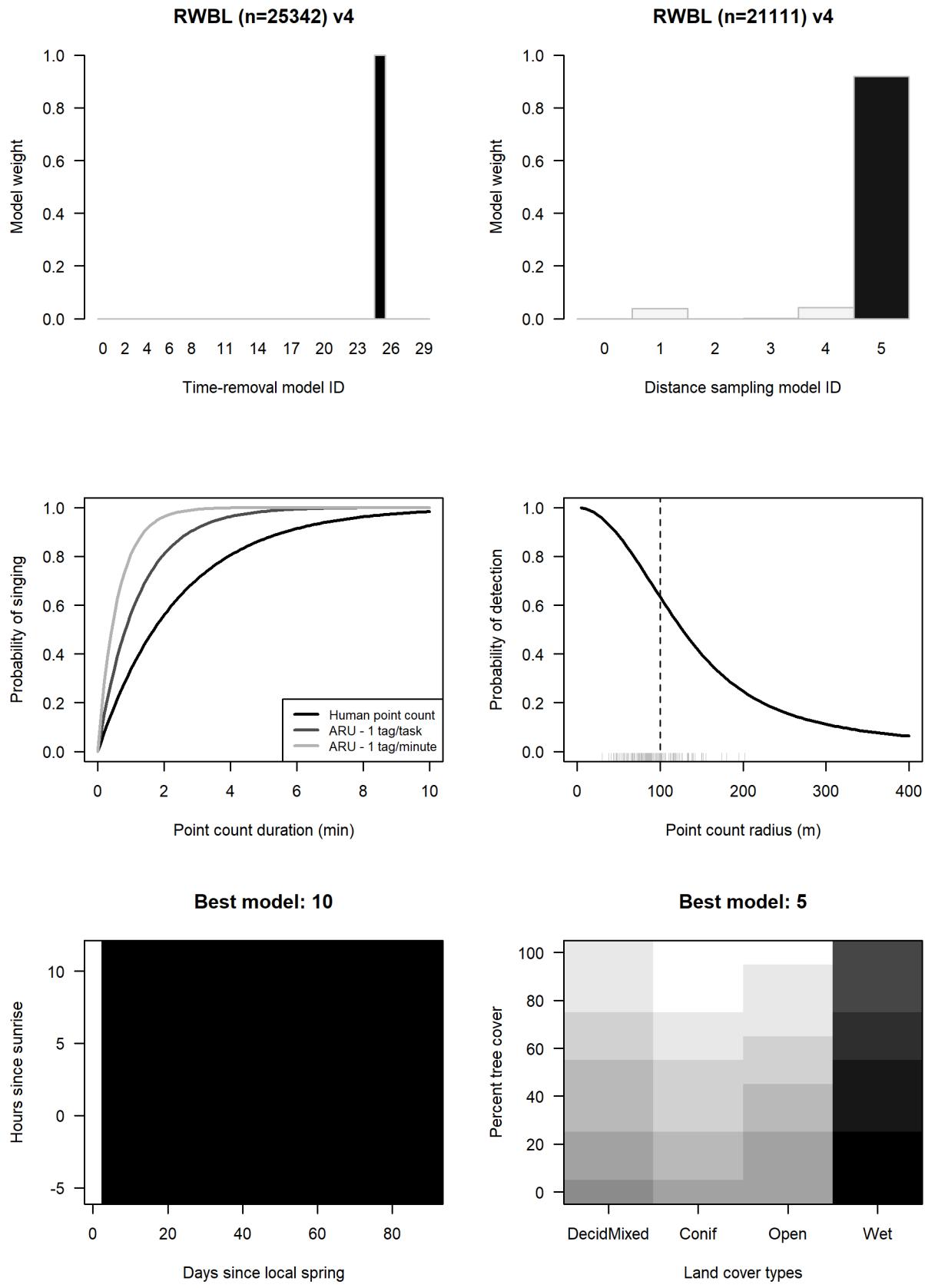
Best model: 10

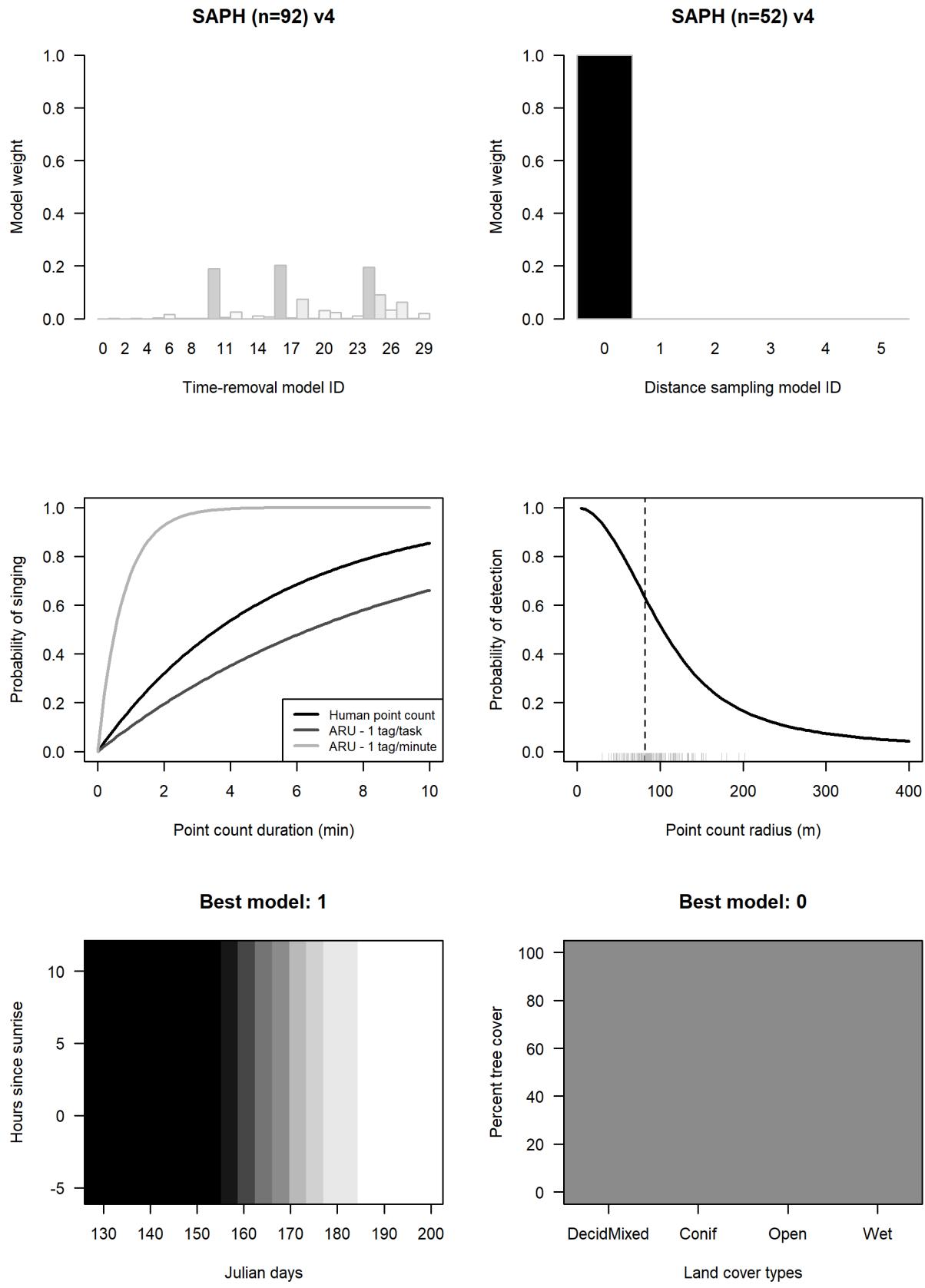


Best model: 3

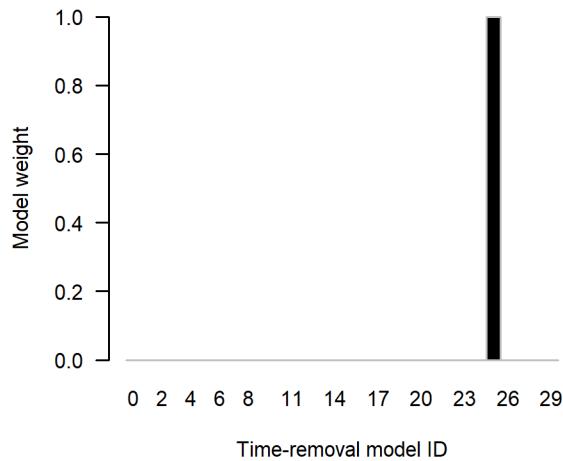




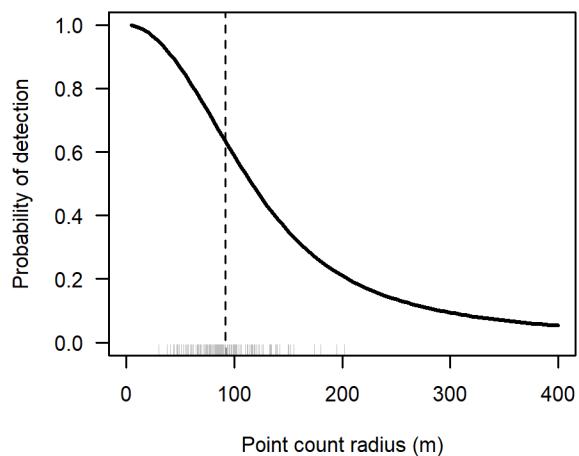
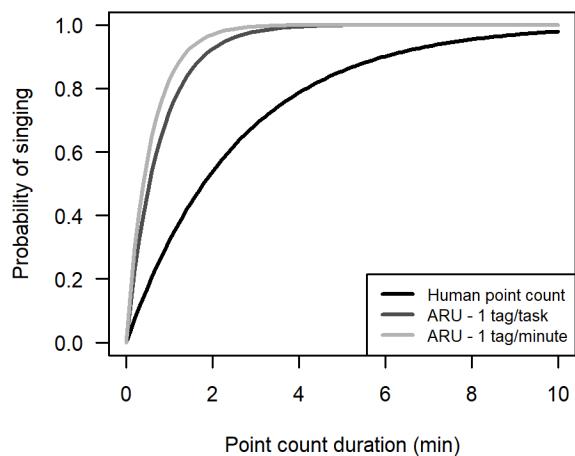
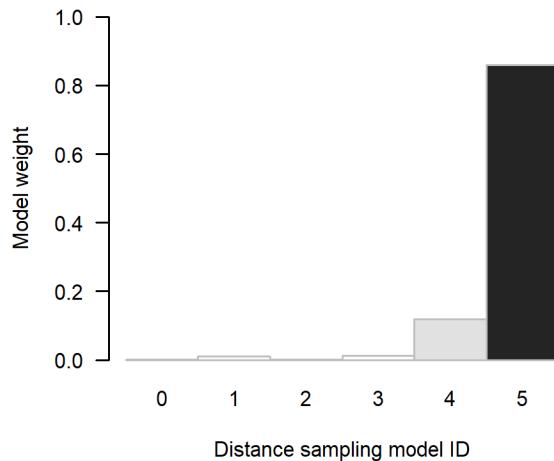




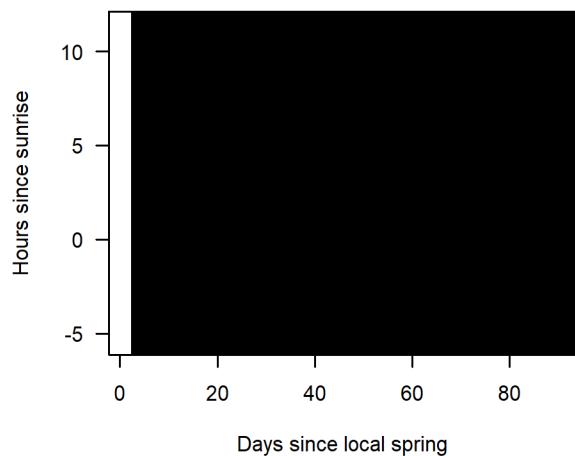
SAVS (n=18910) v4



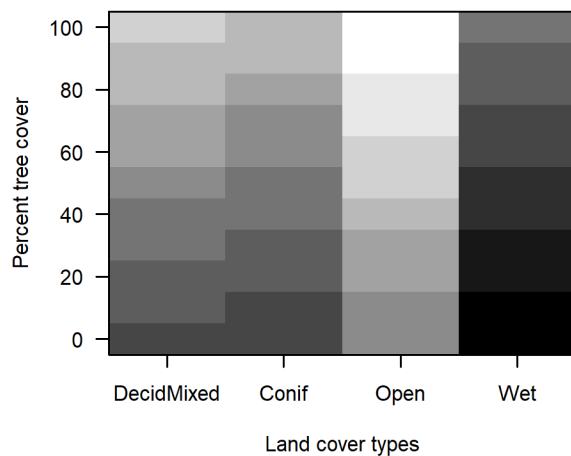
SAVS (n=11479) v4

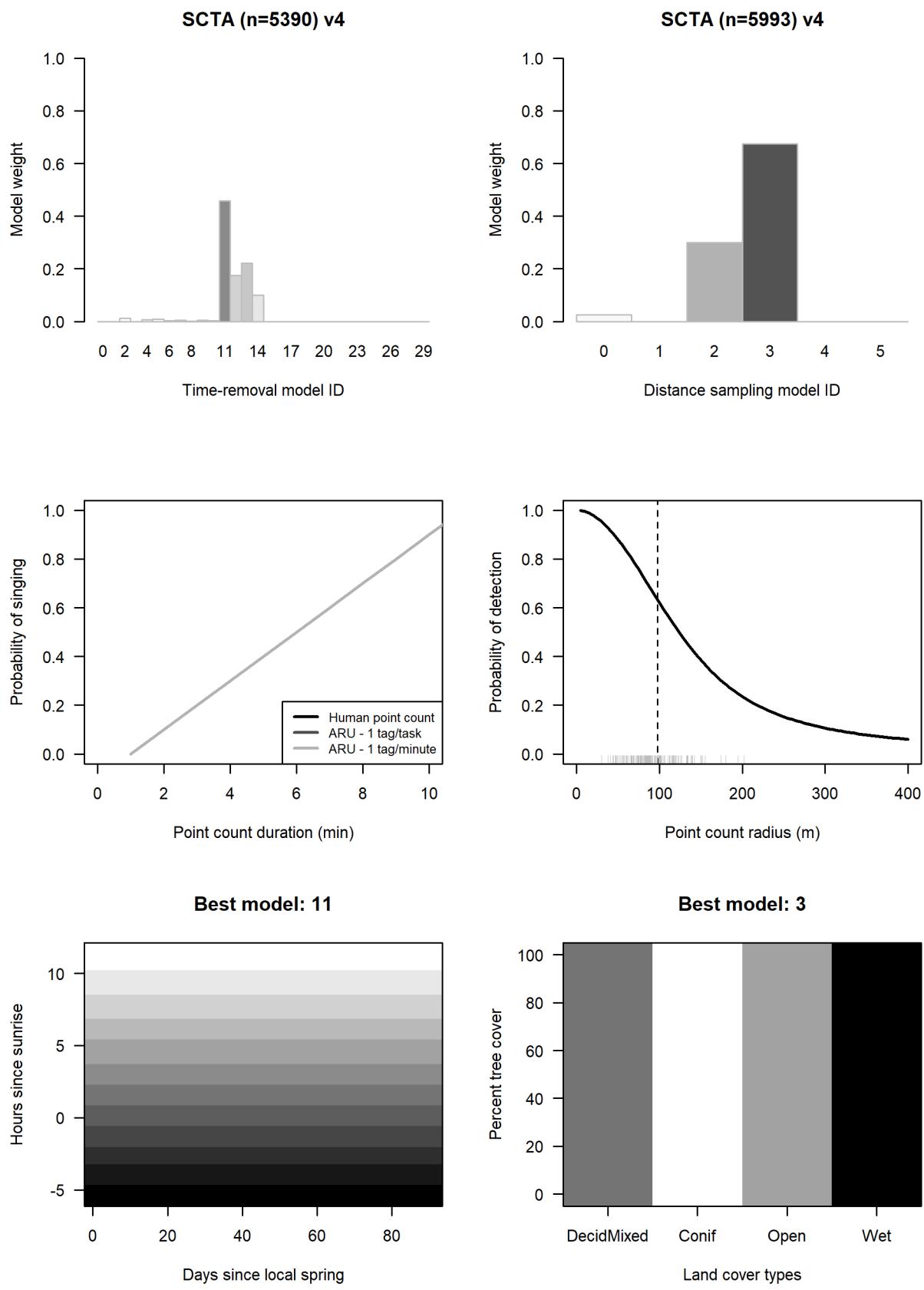


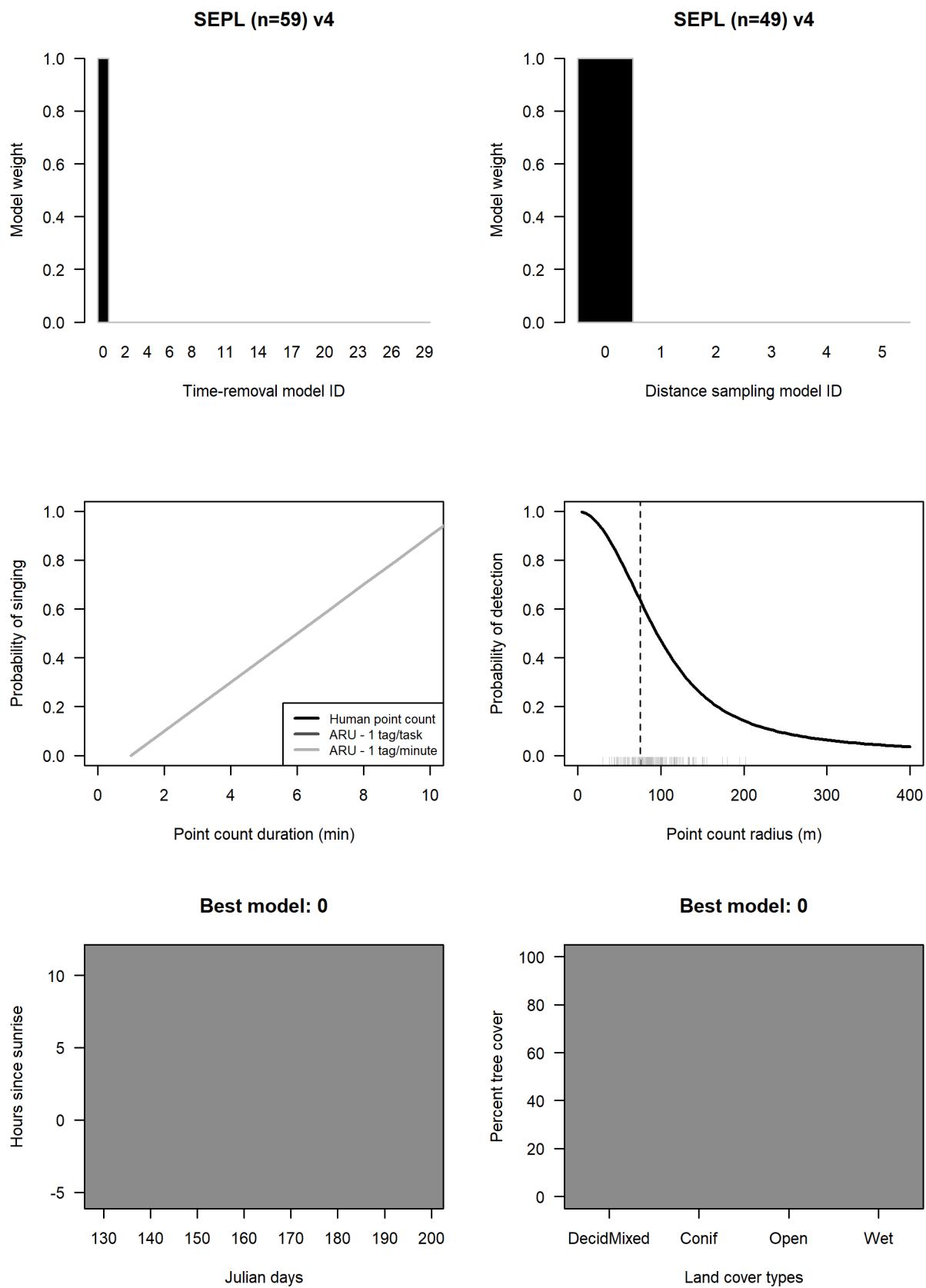
Best model: 10

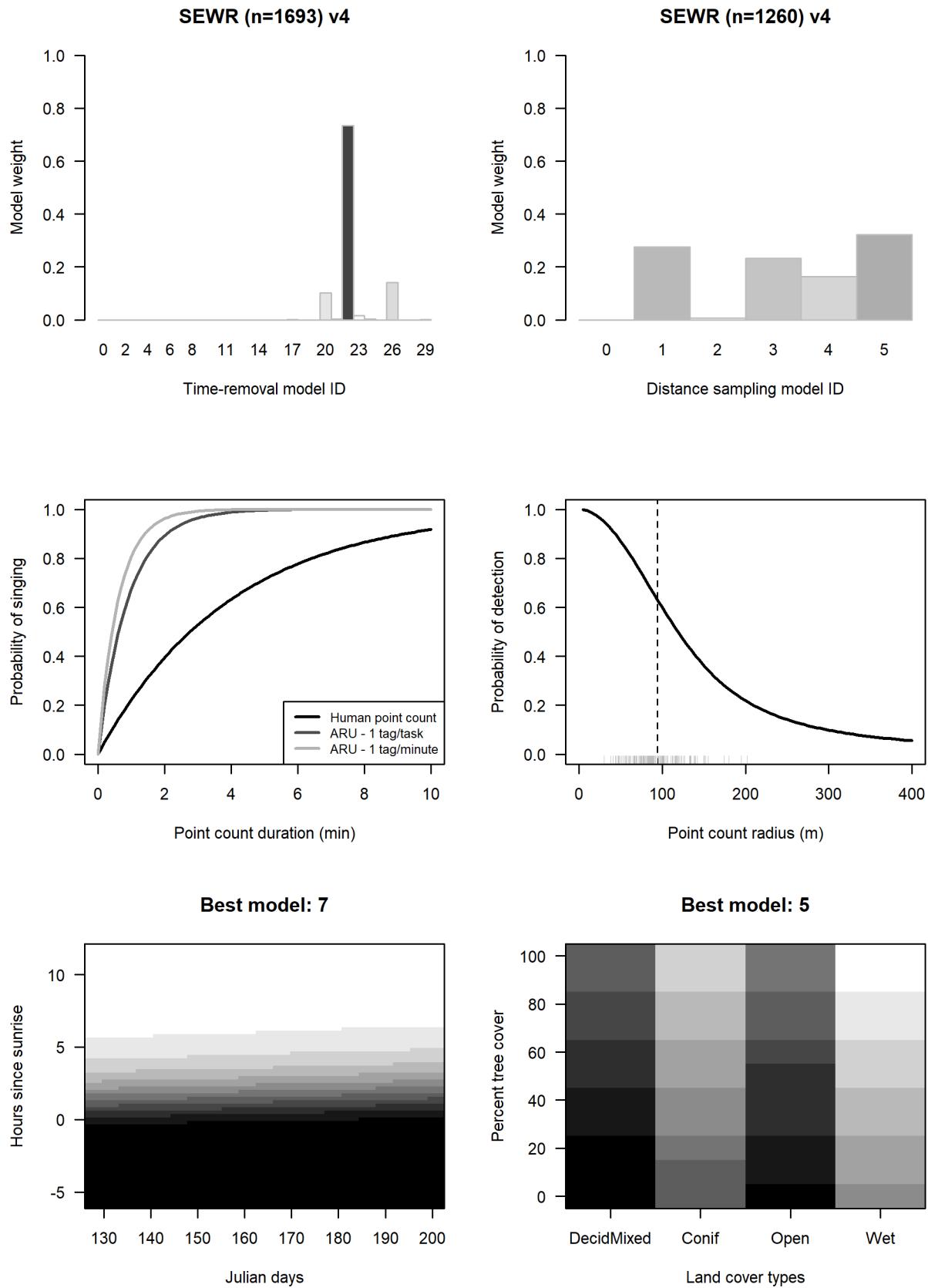


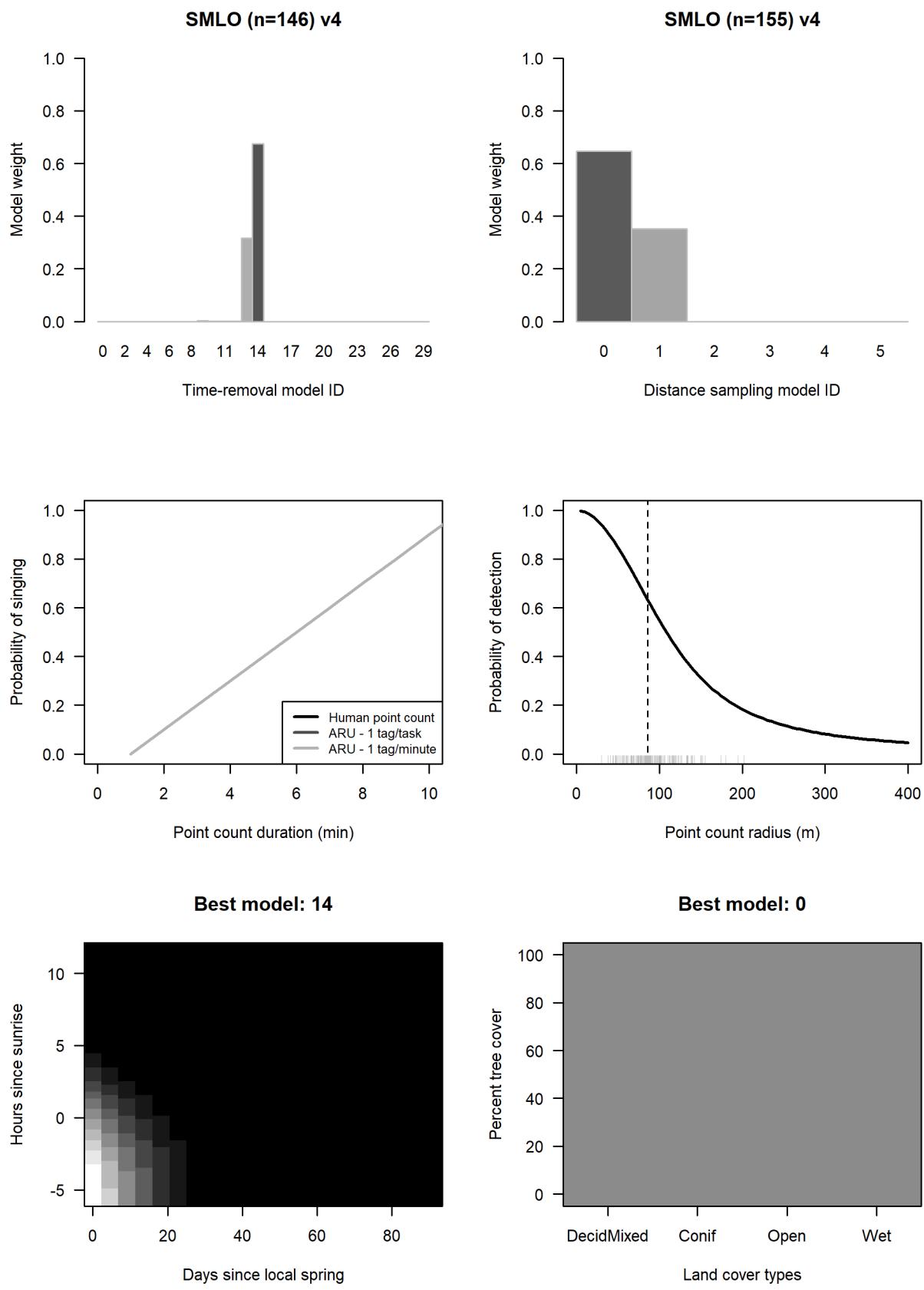
Best model: 5

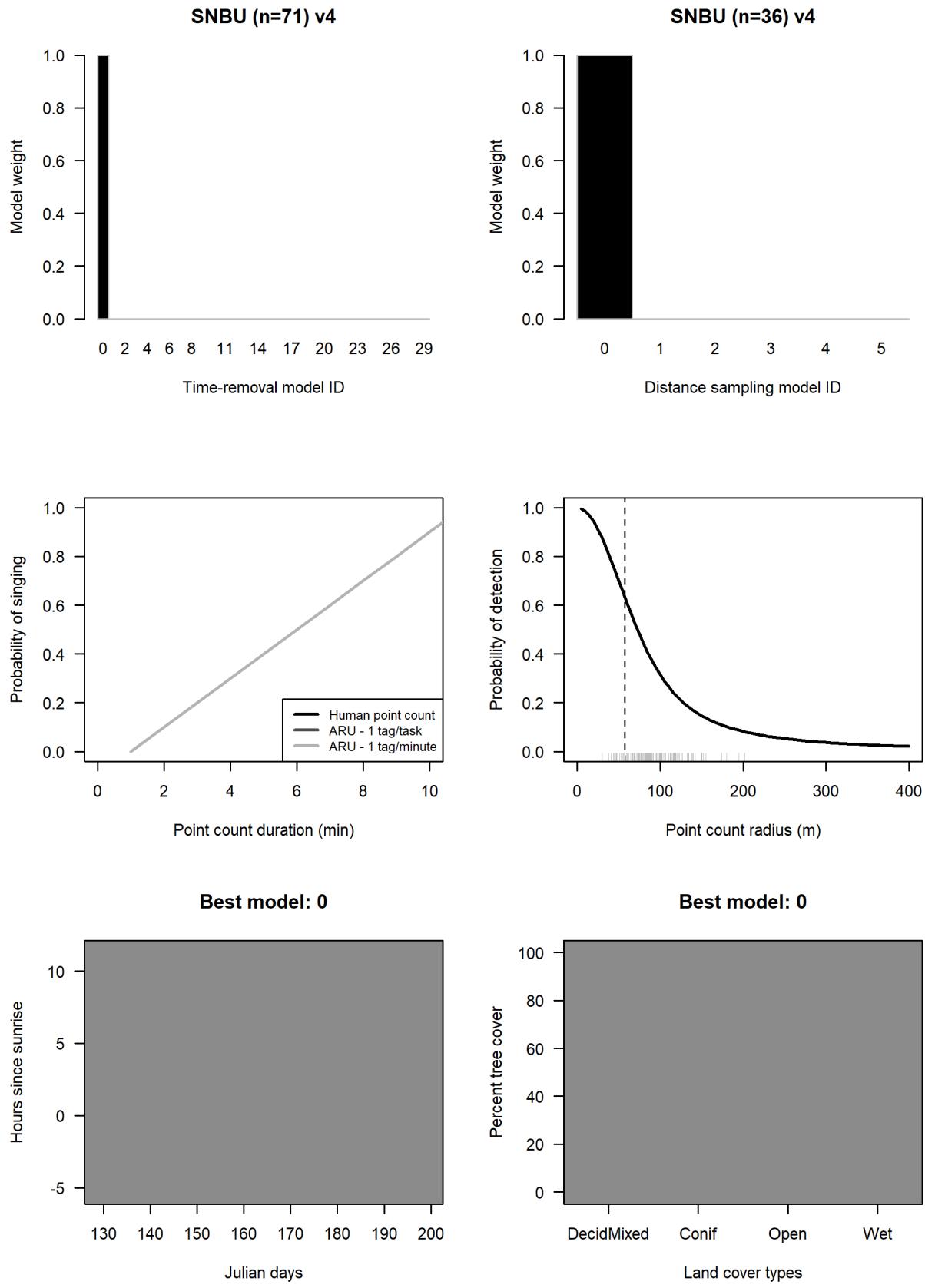


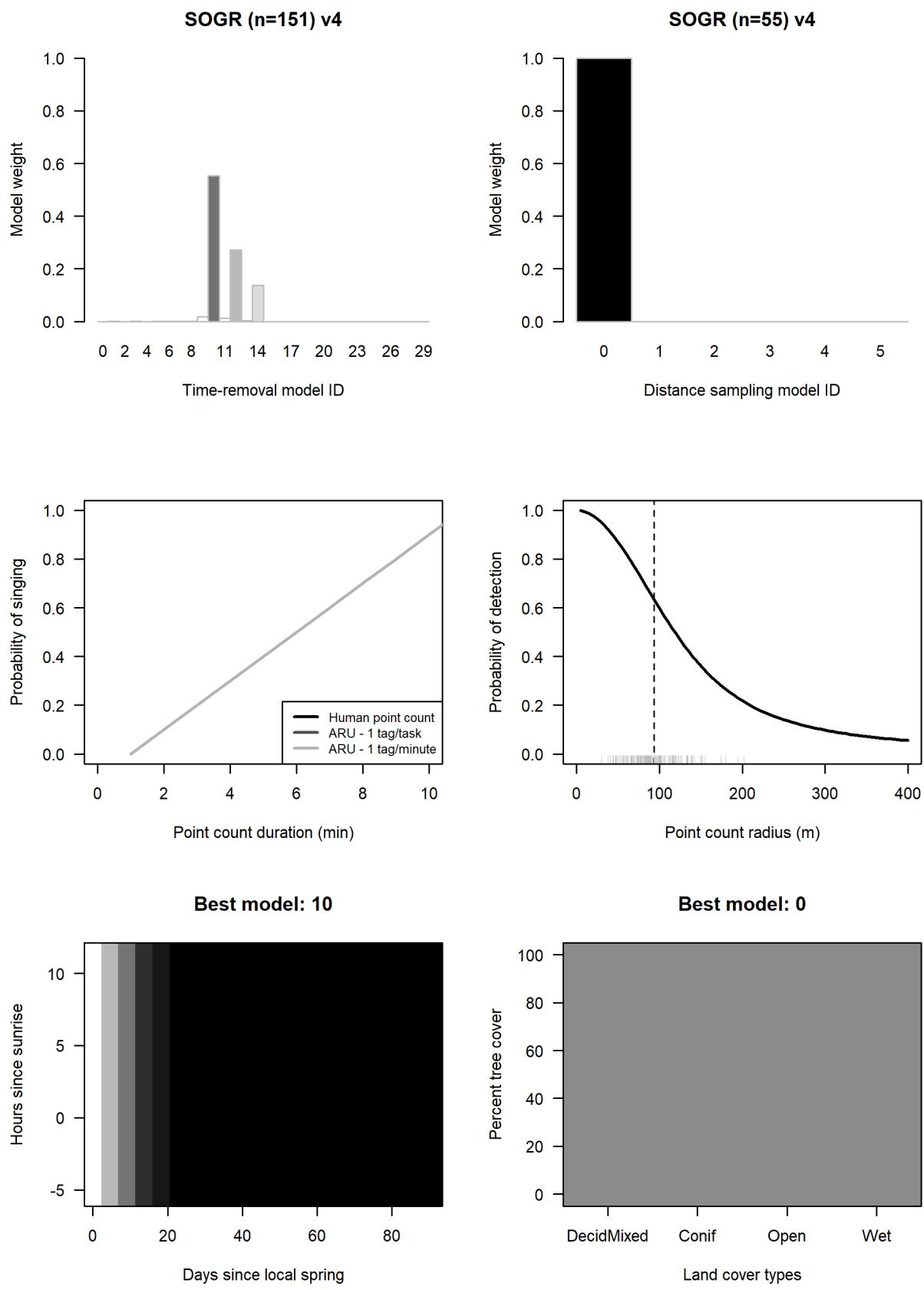


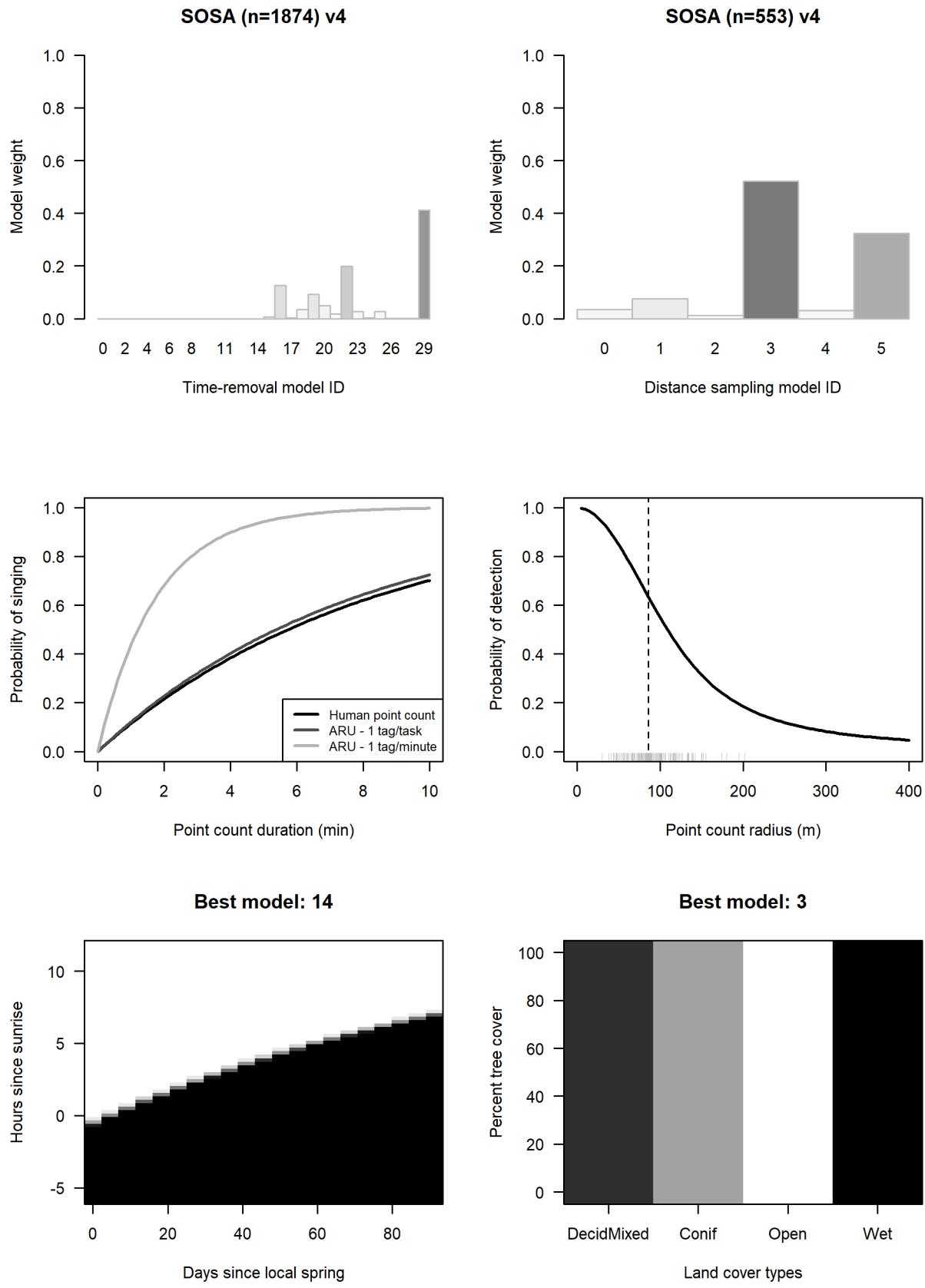


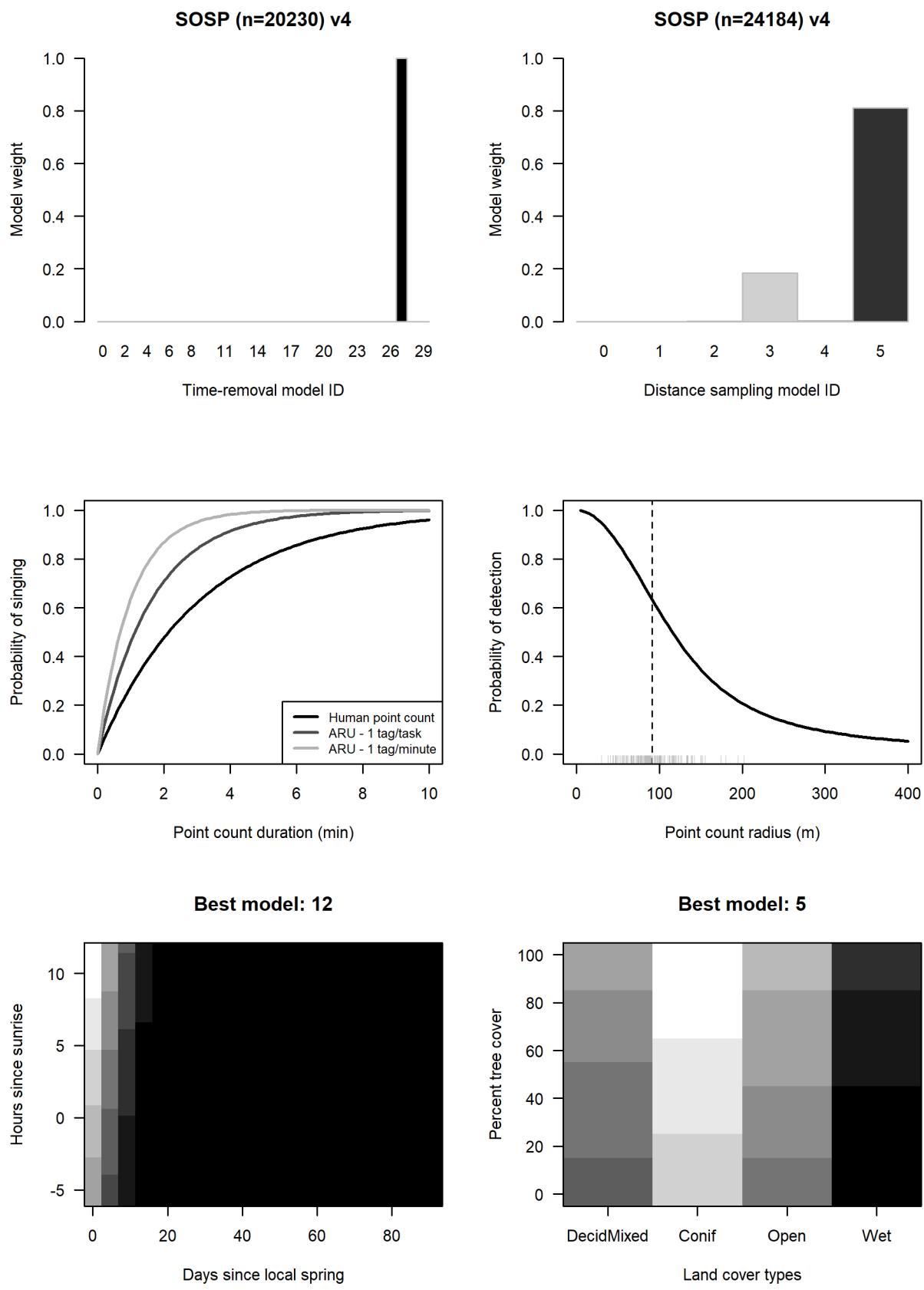


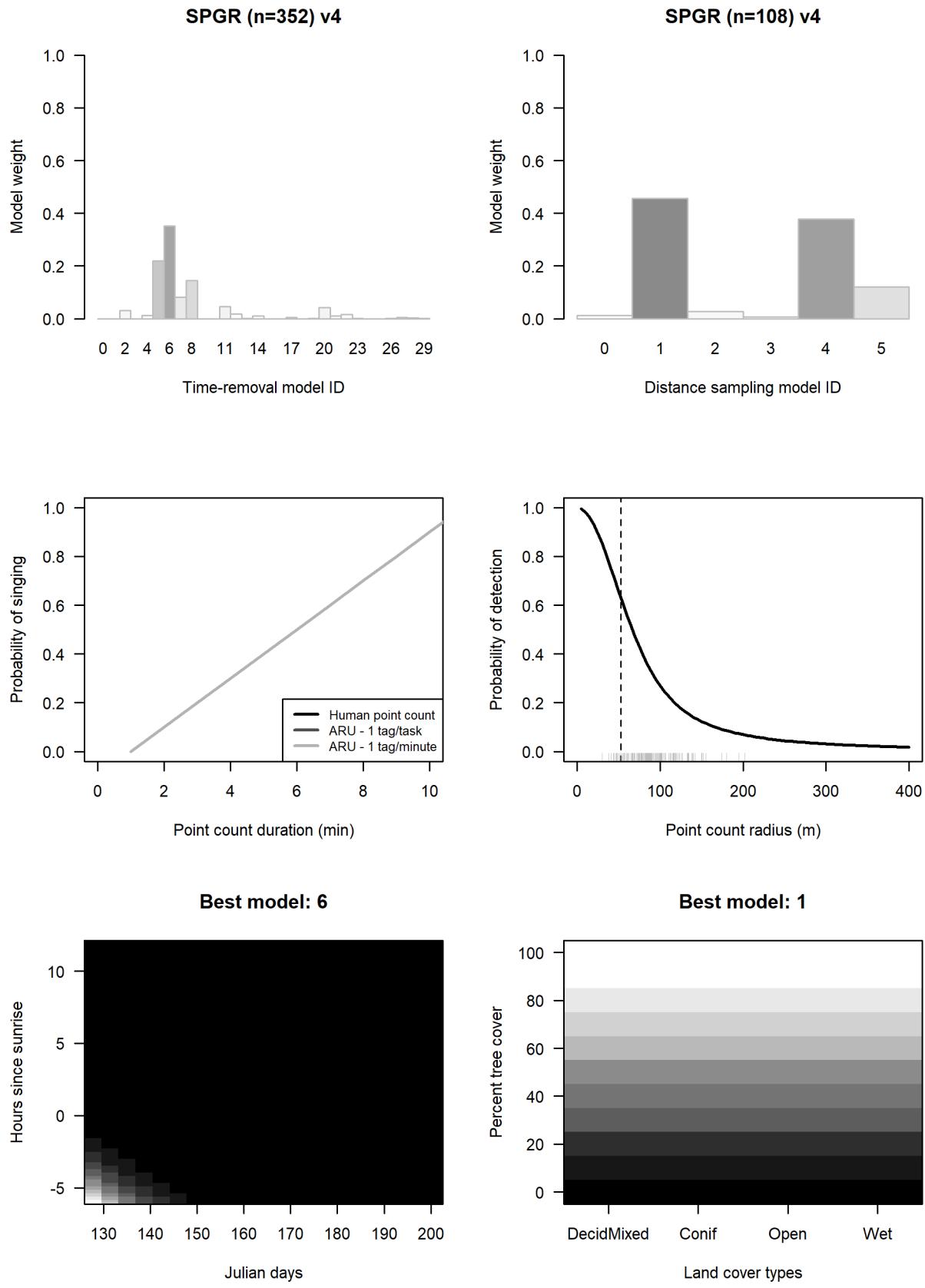


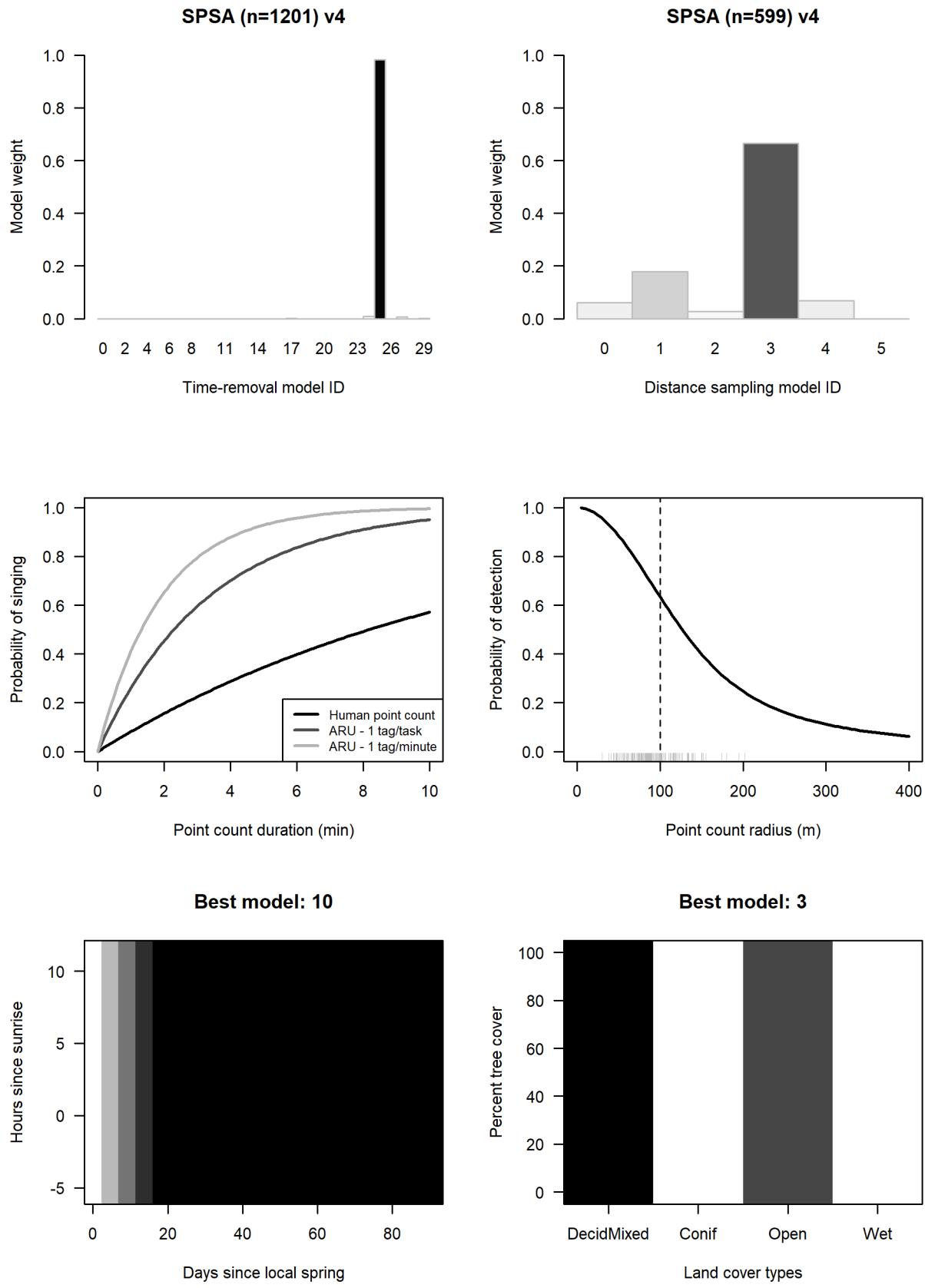


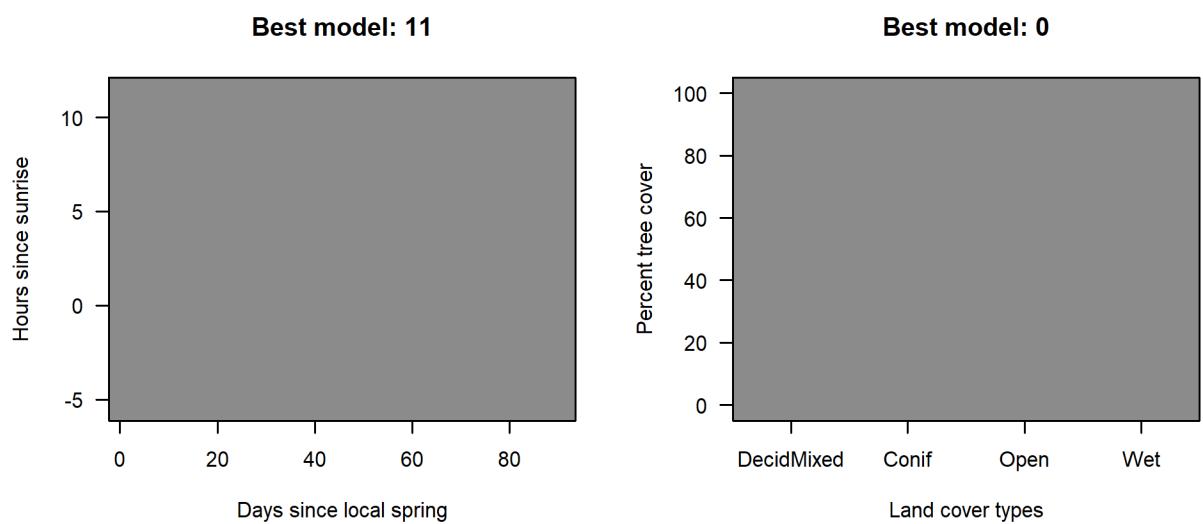
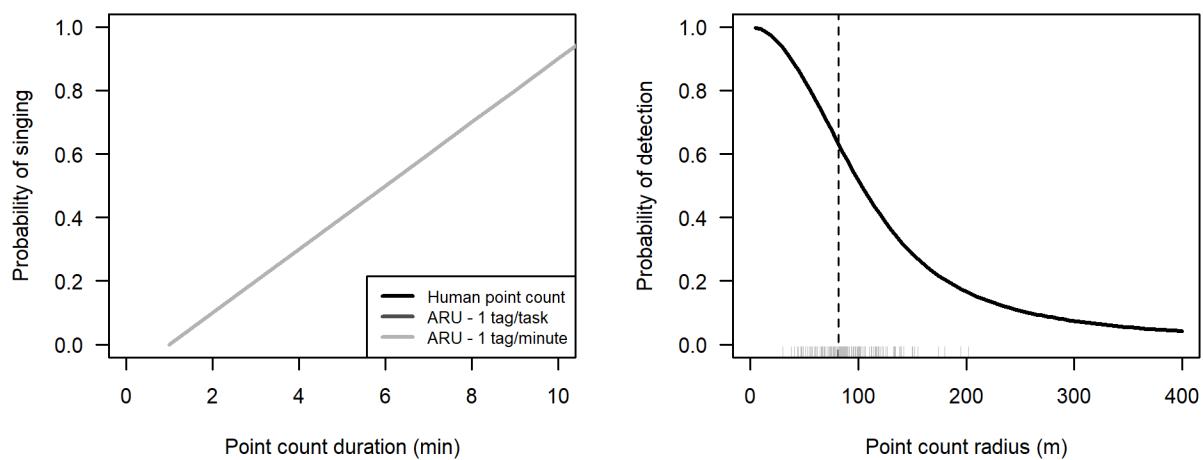
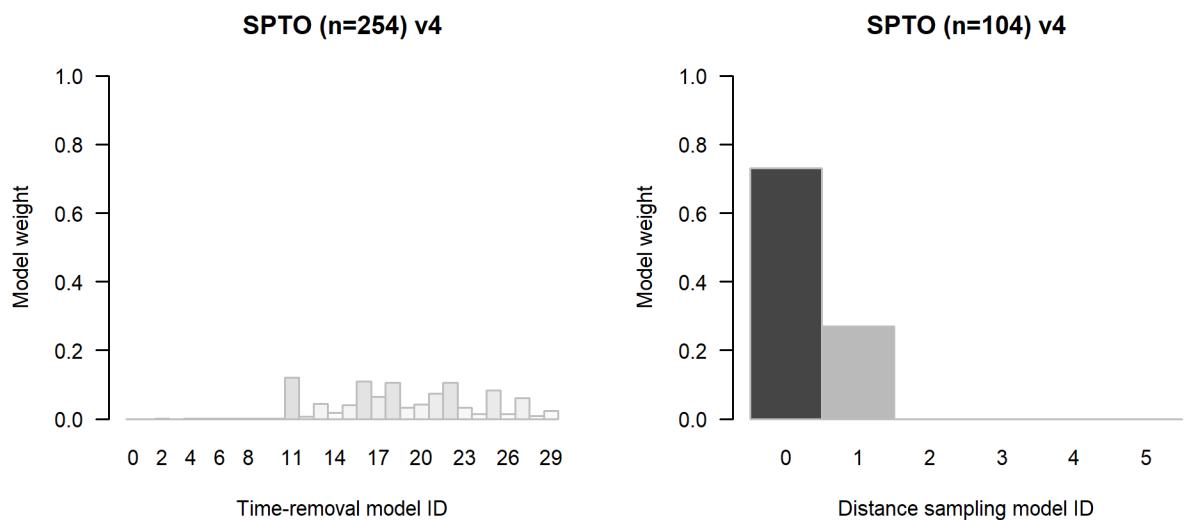


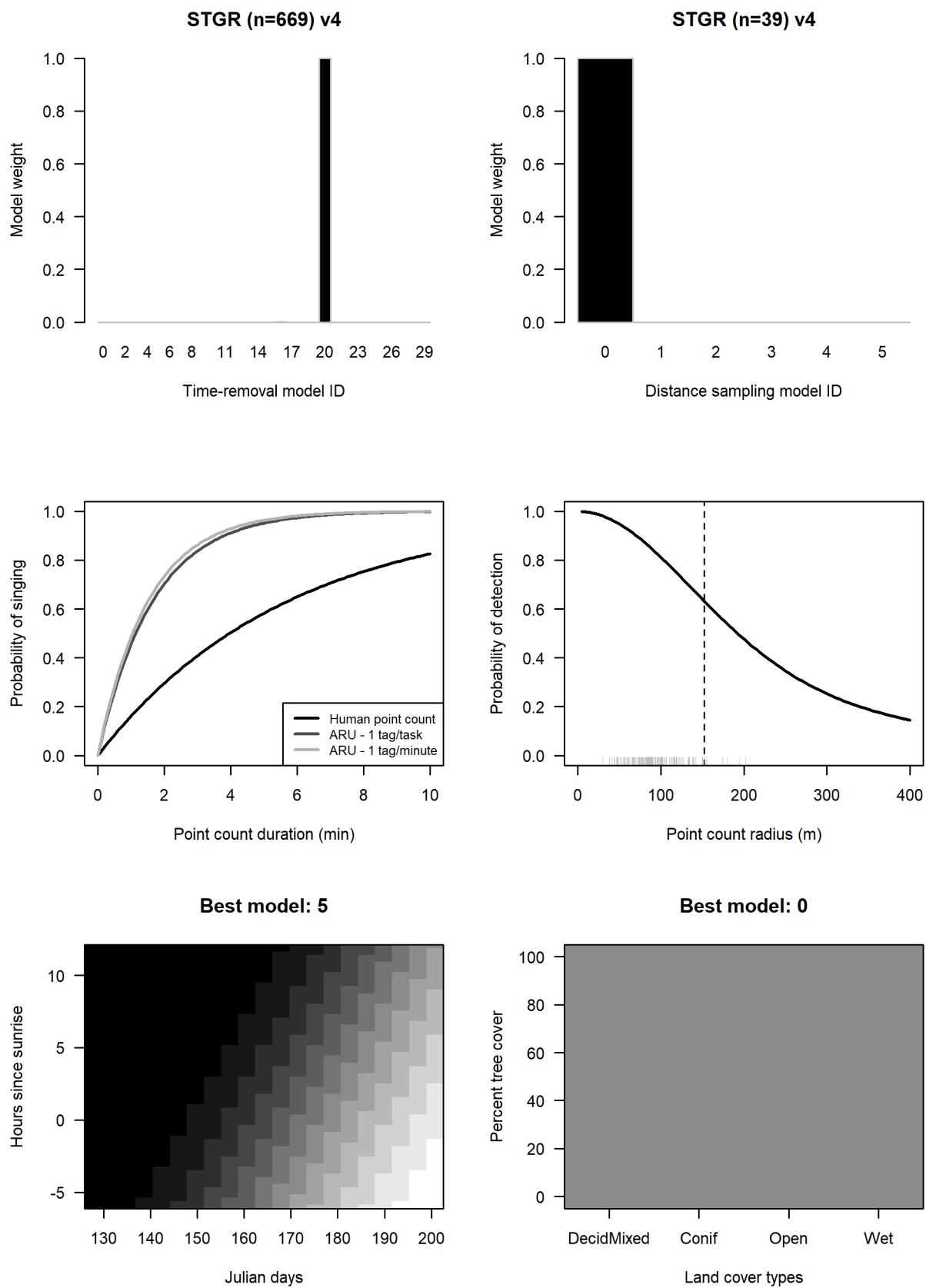


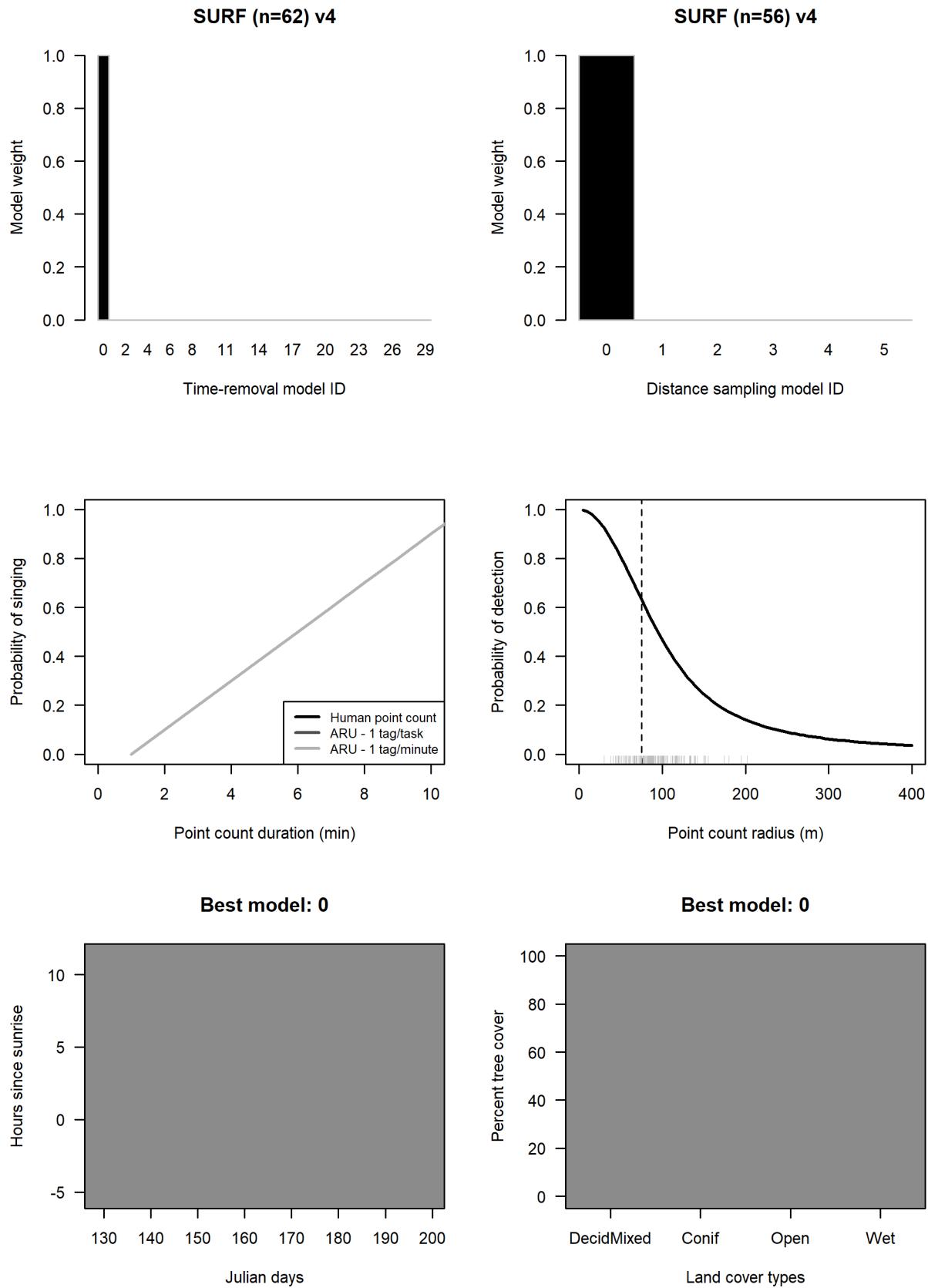


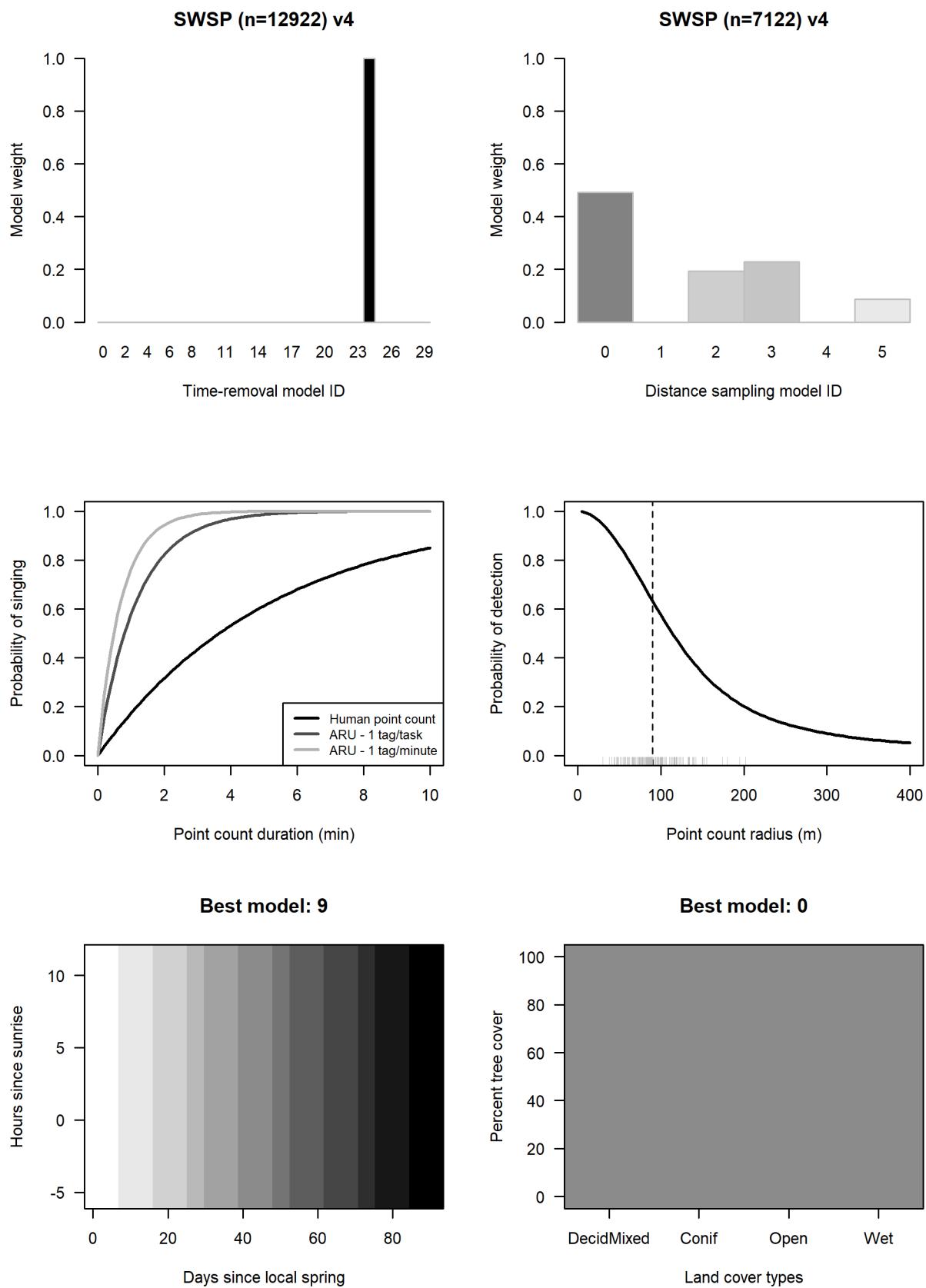


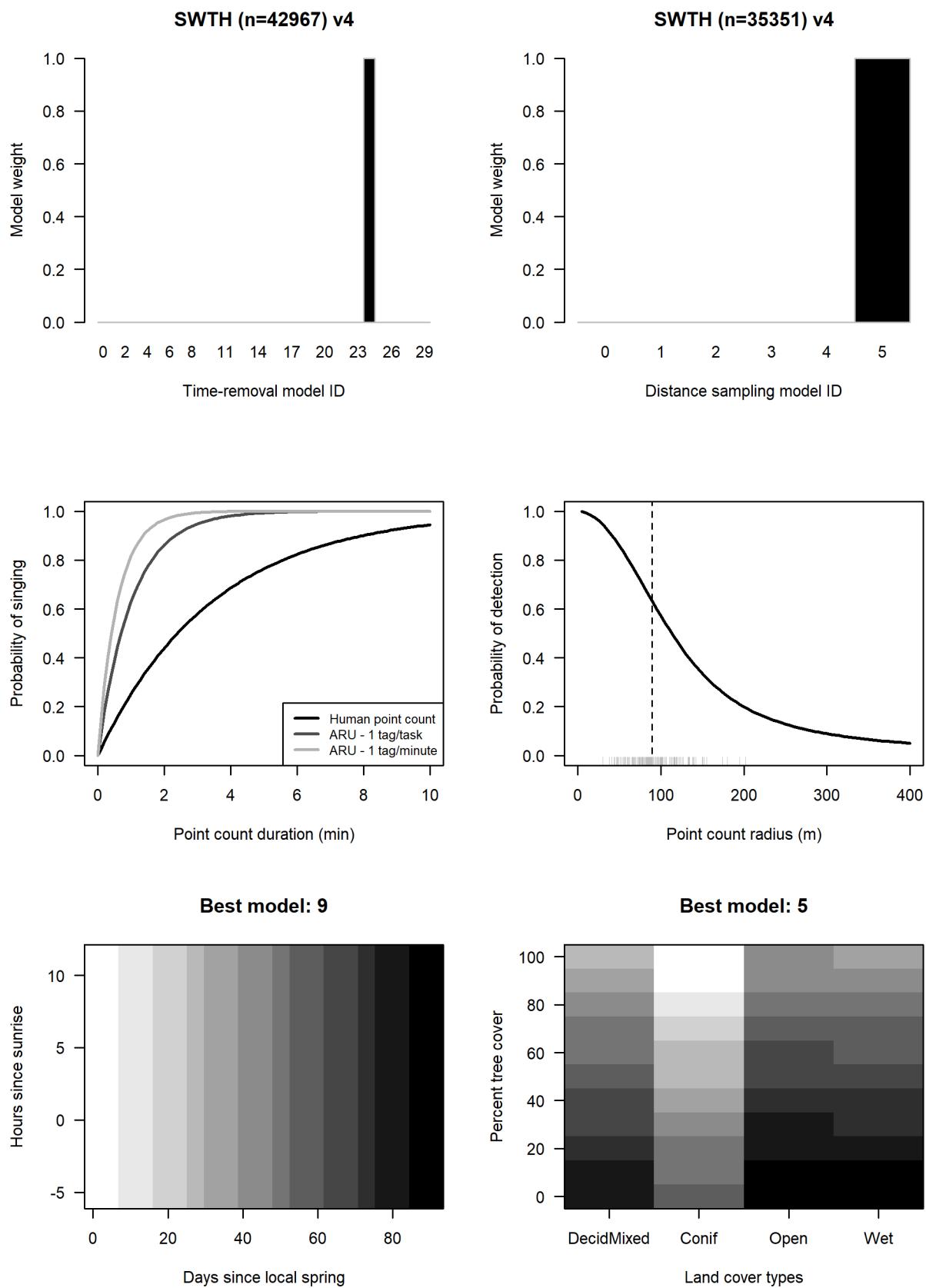


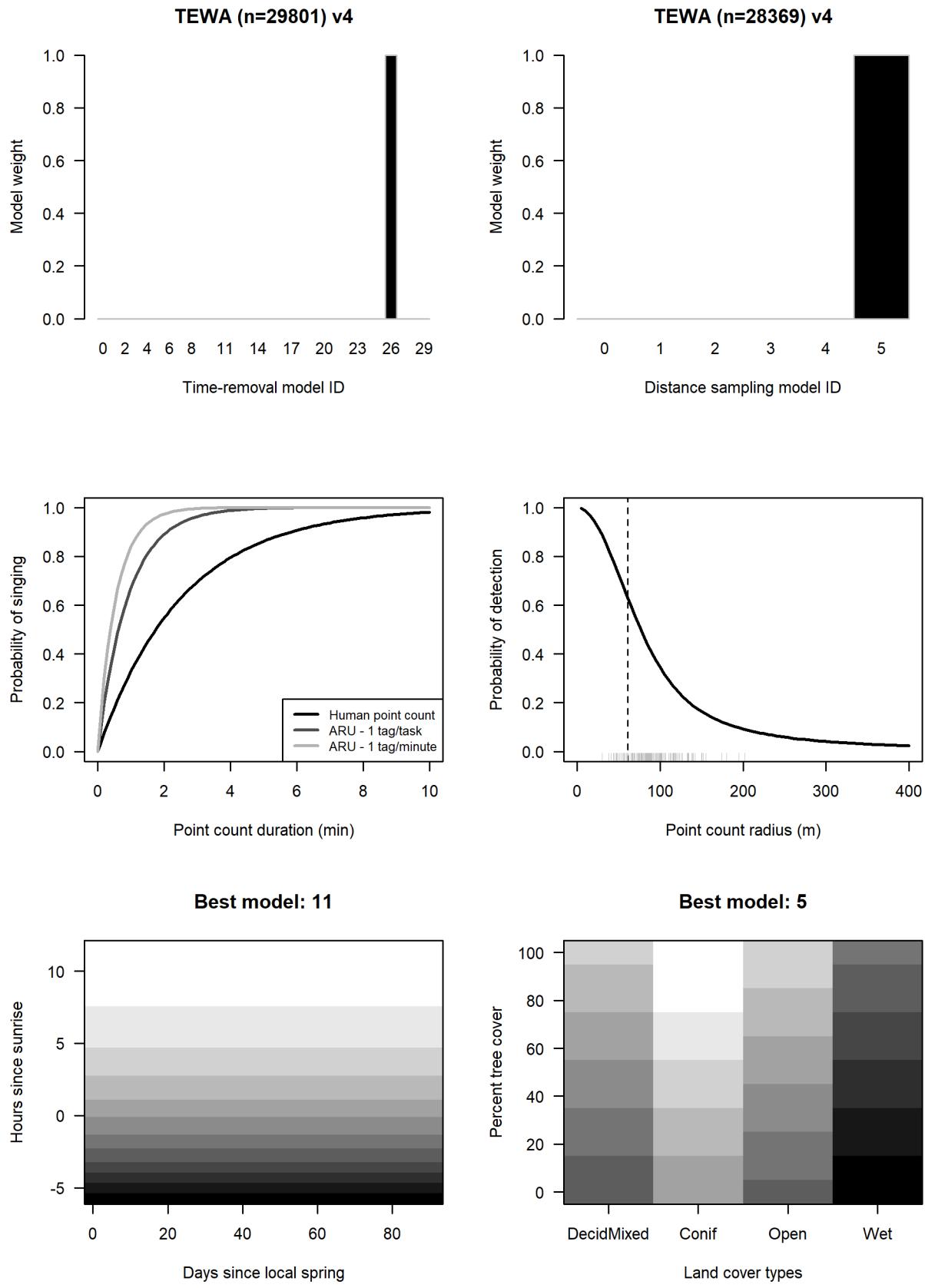


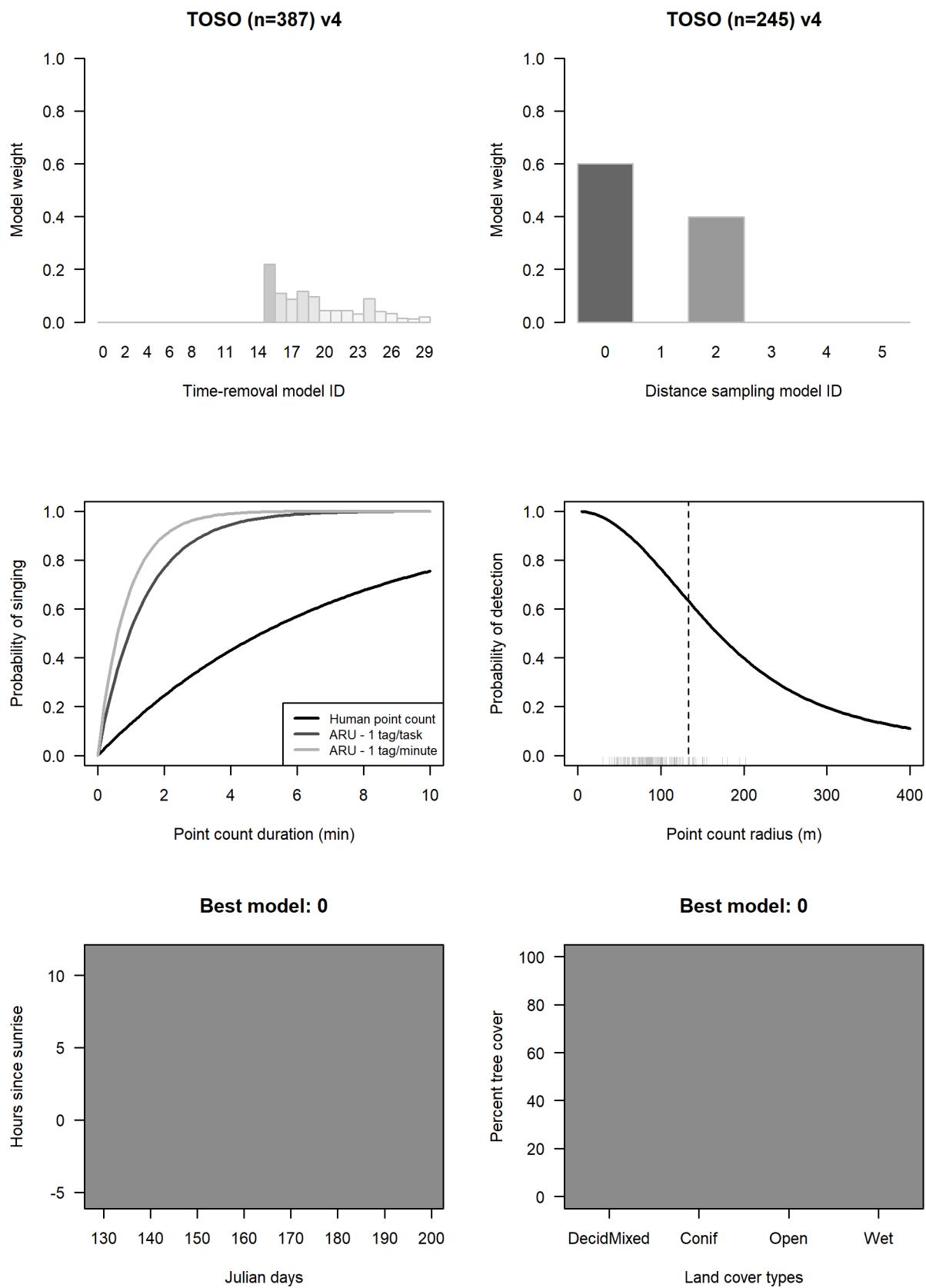


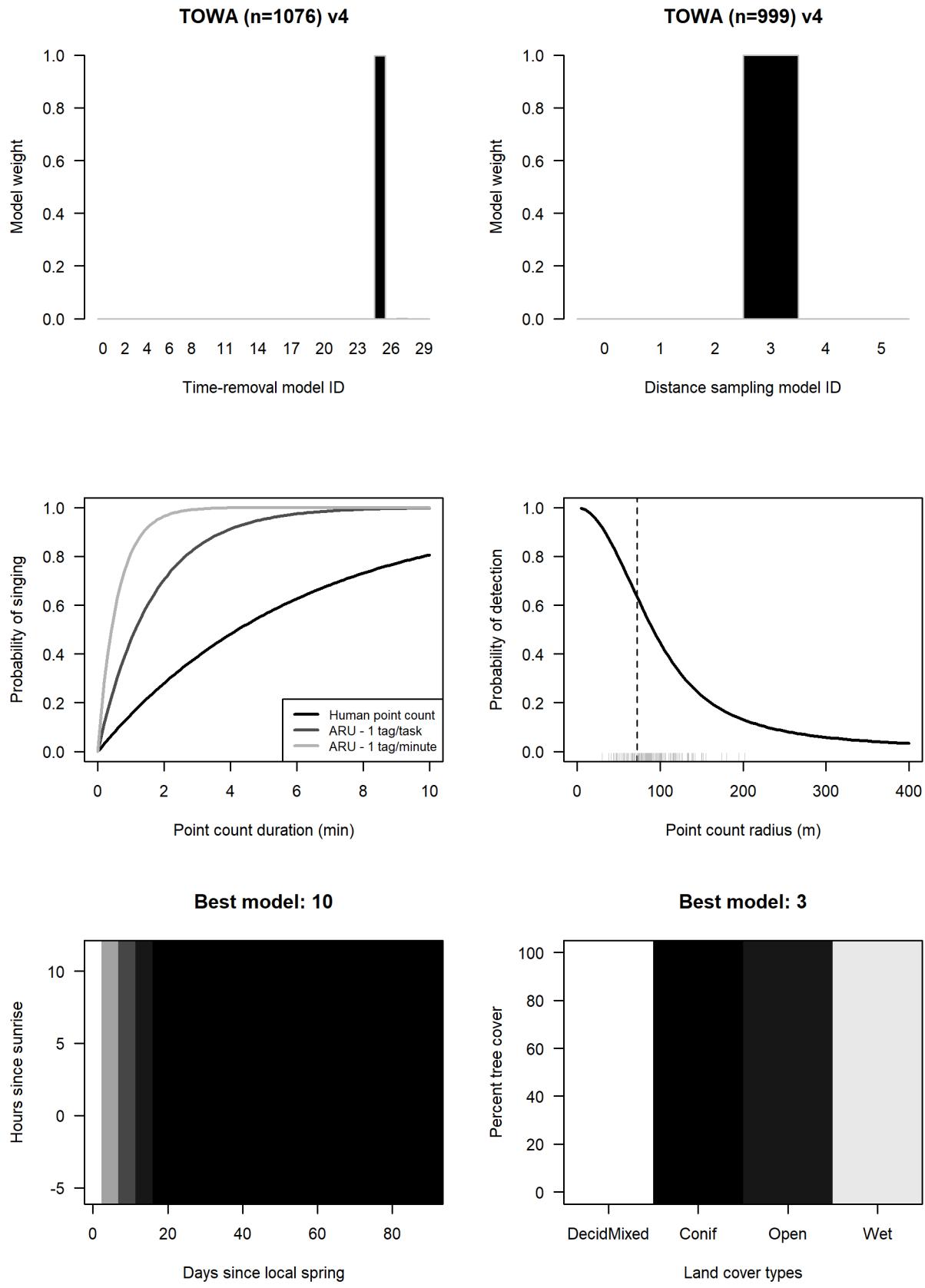


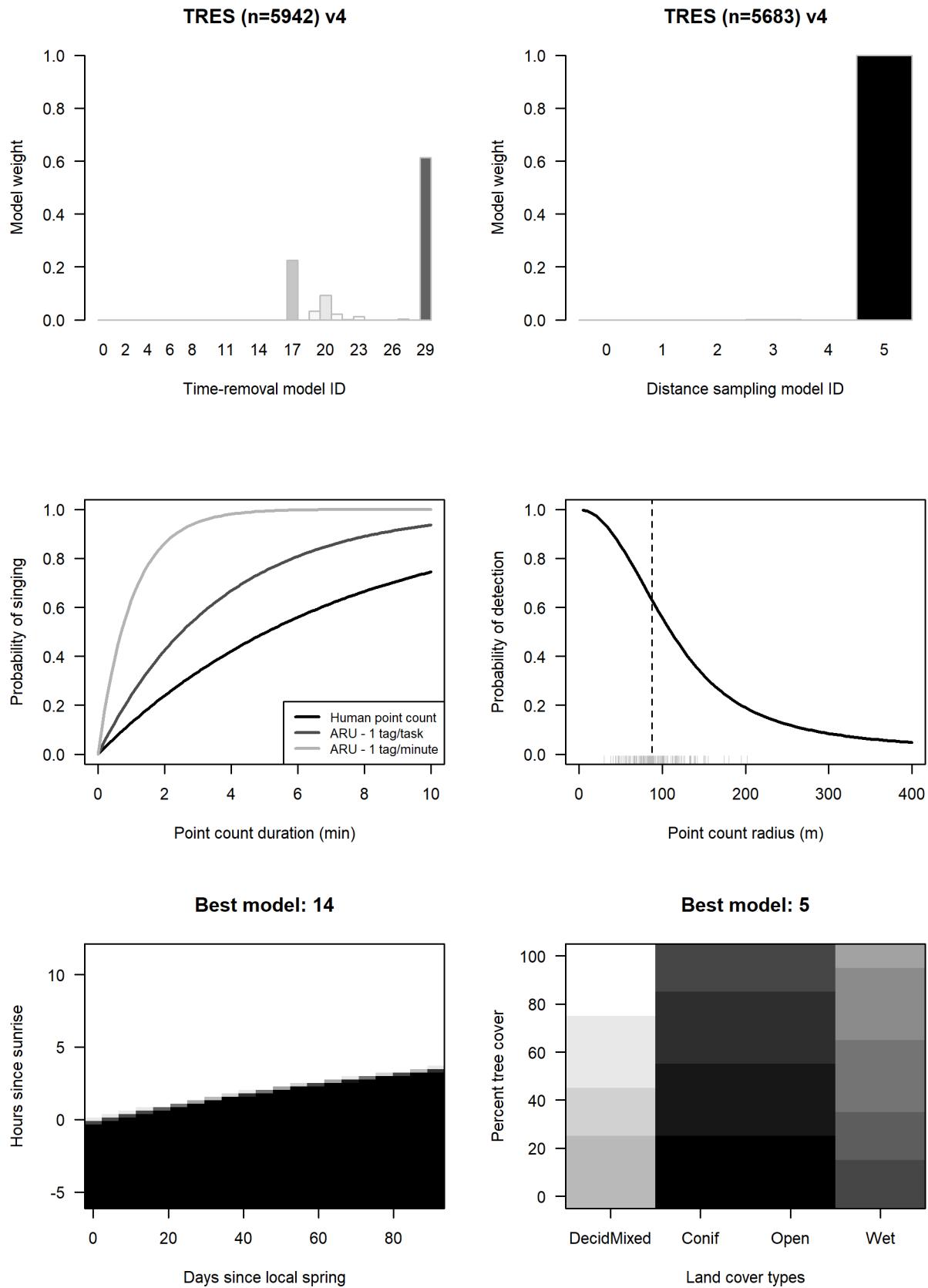


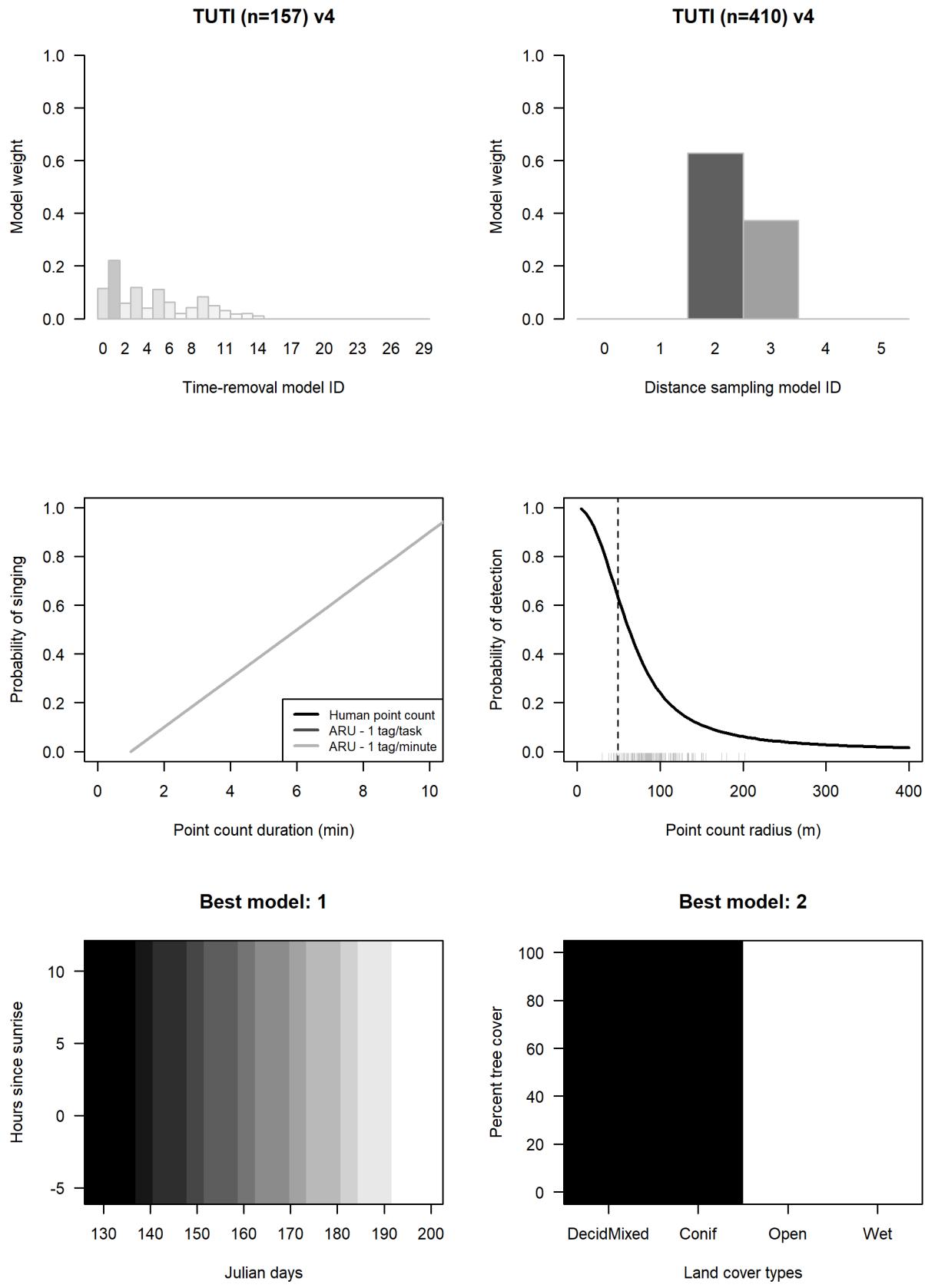


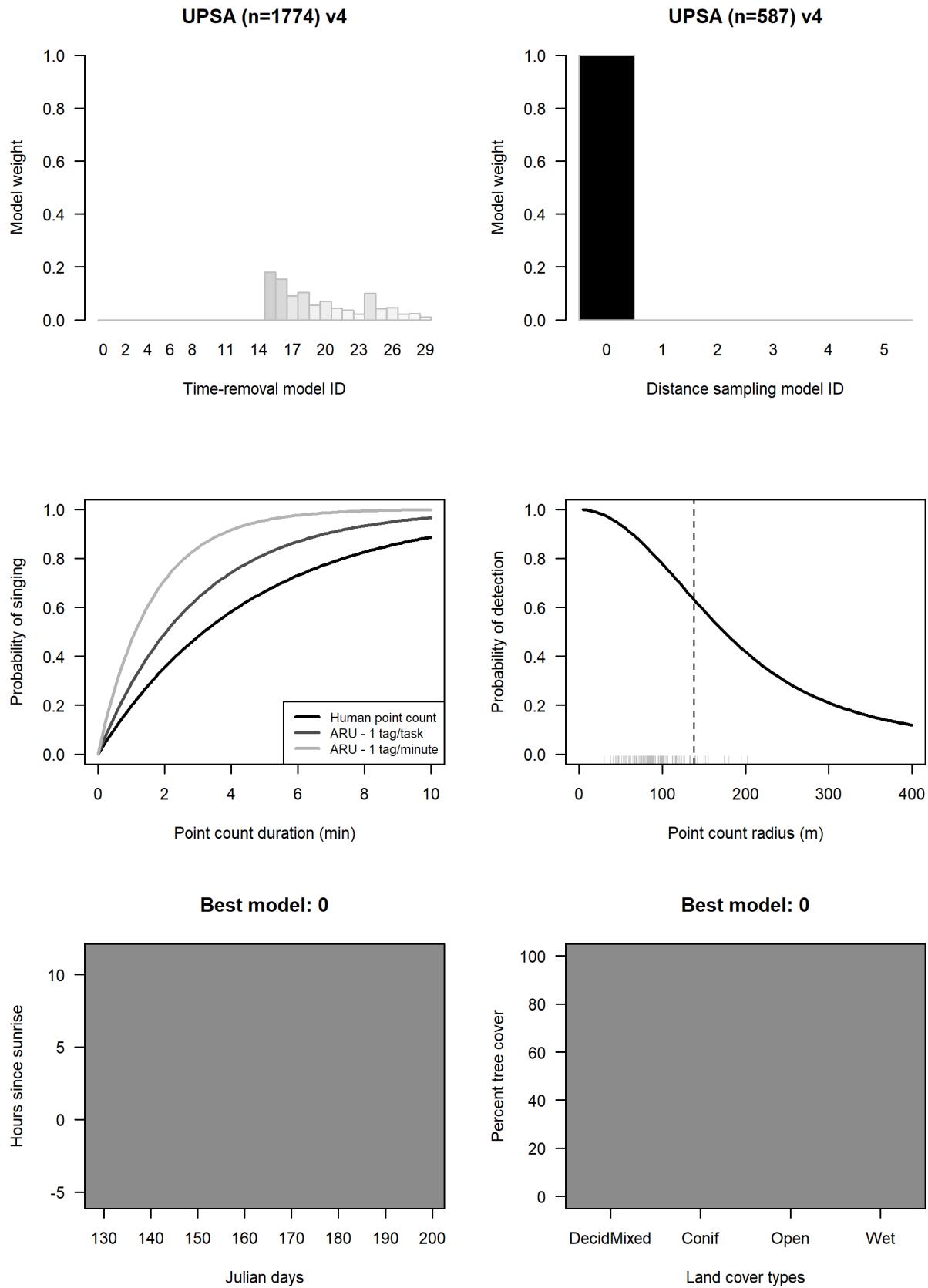


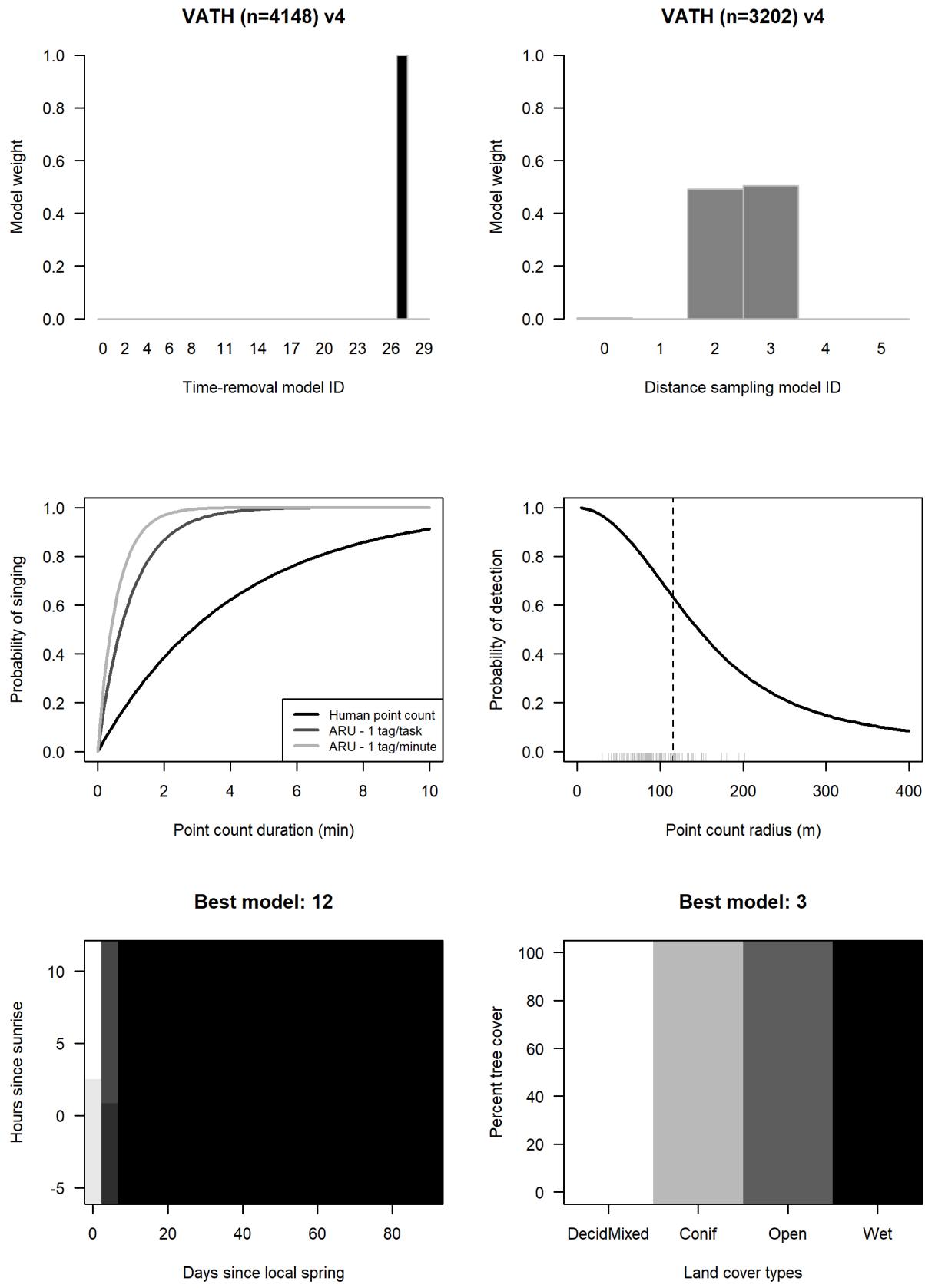


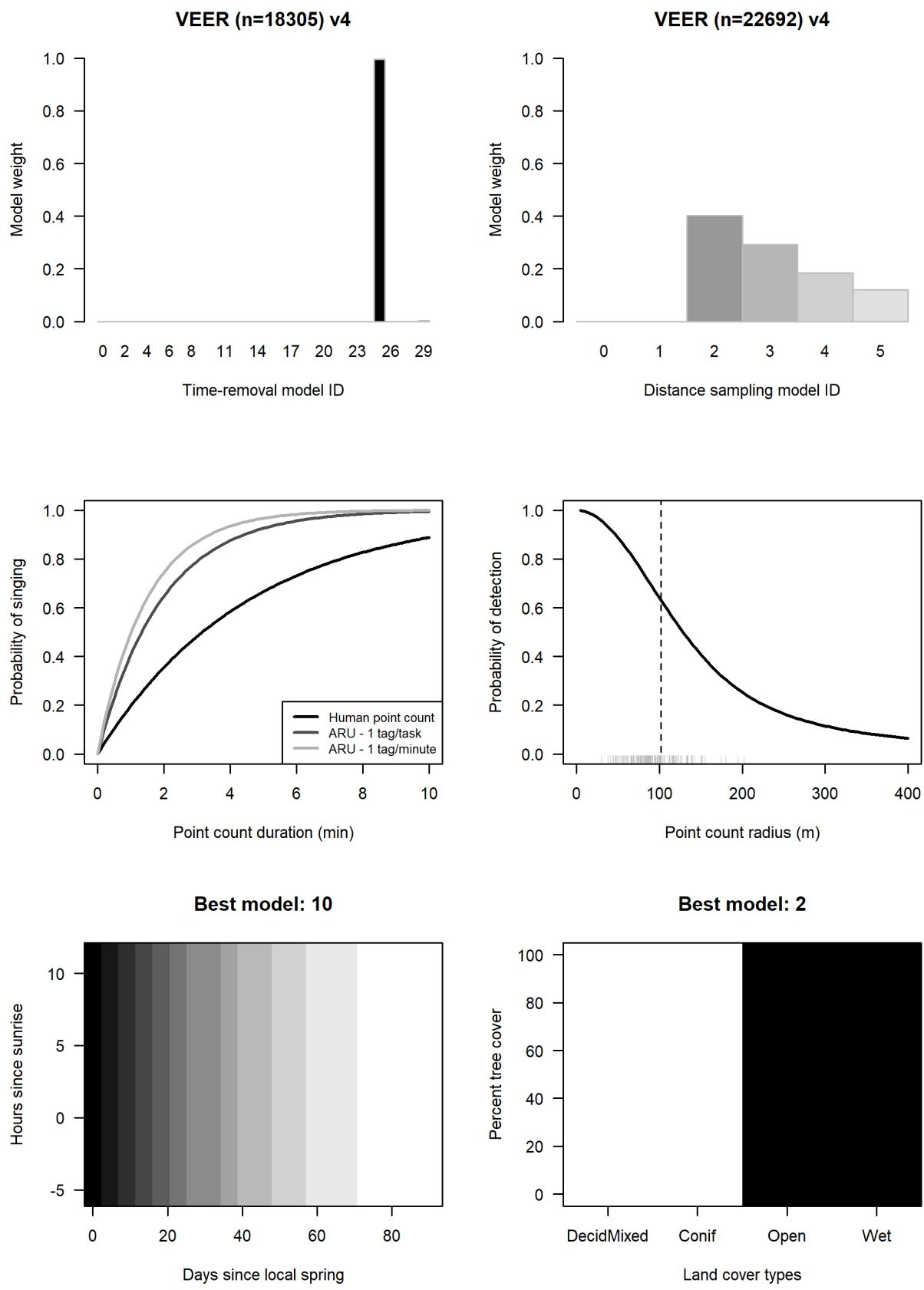


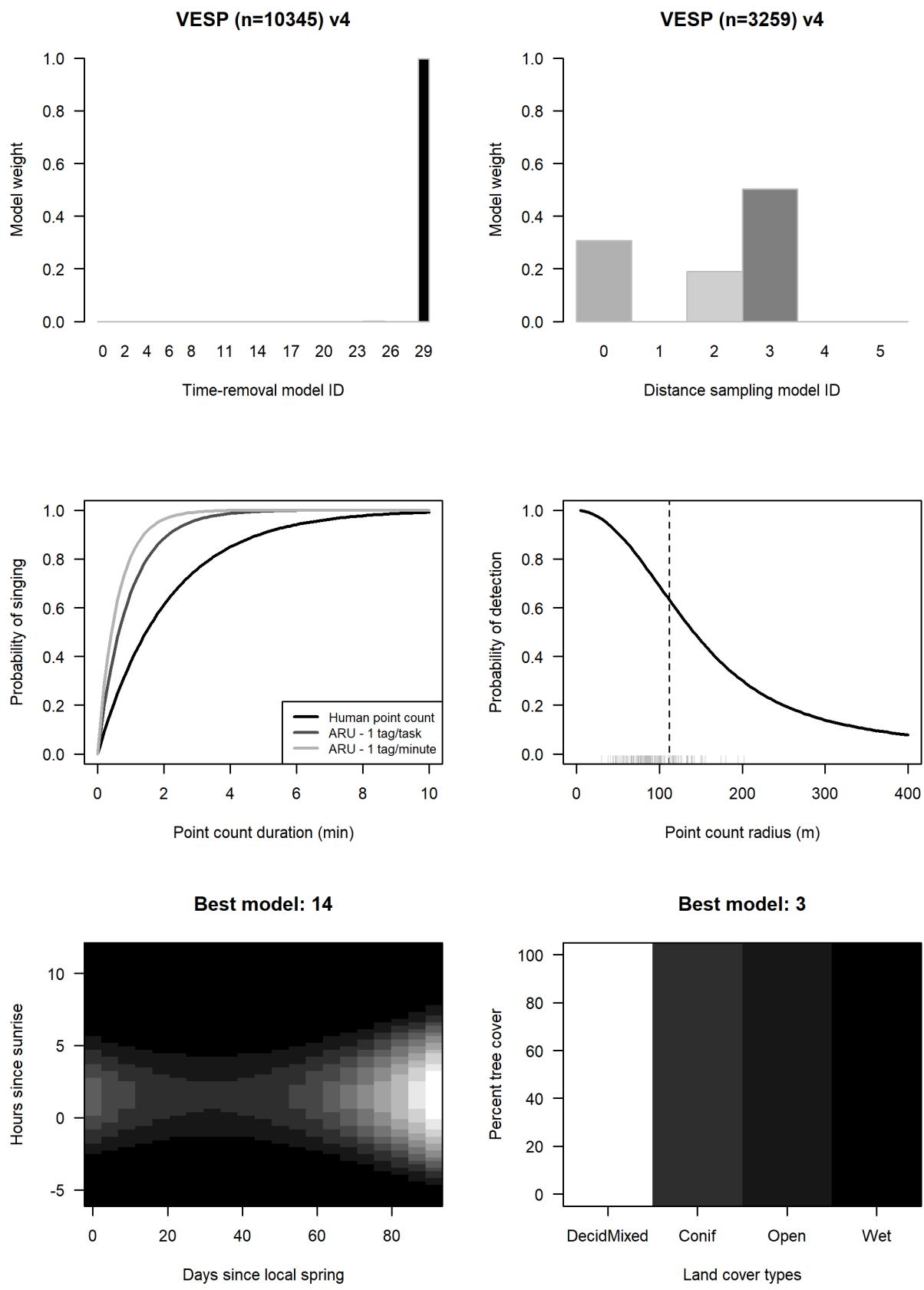


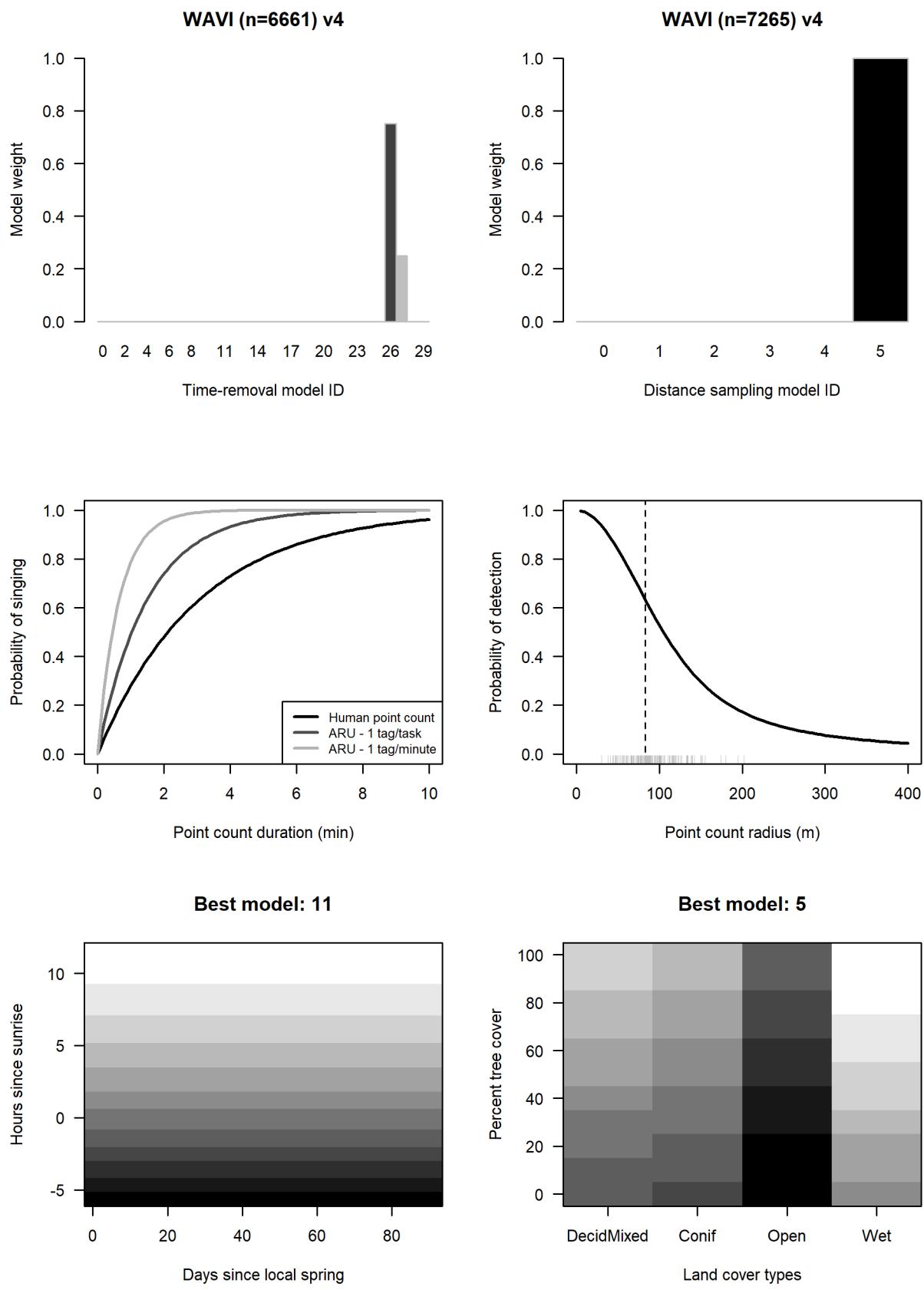




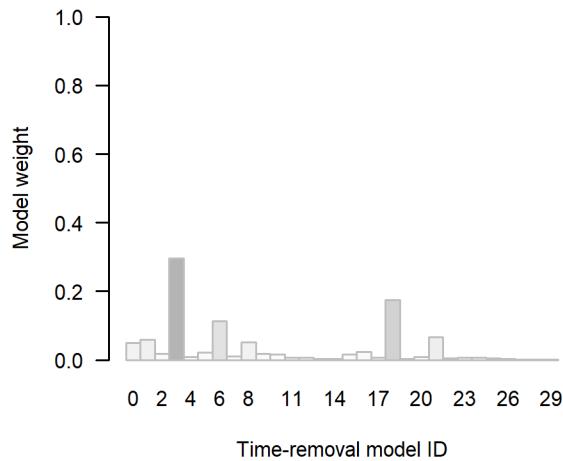




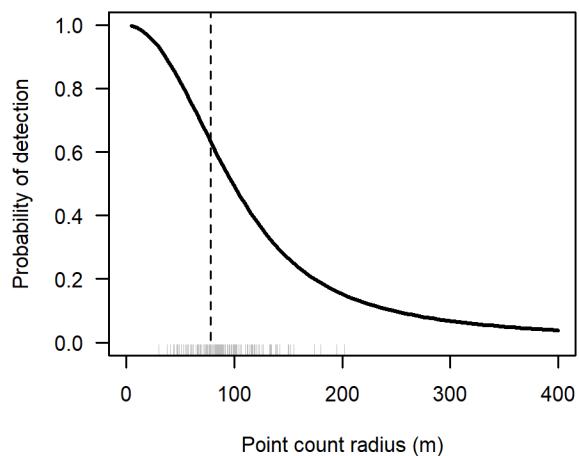
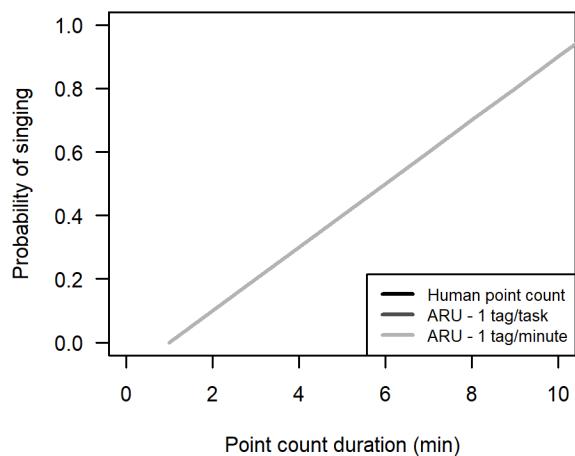
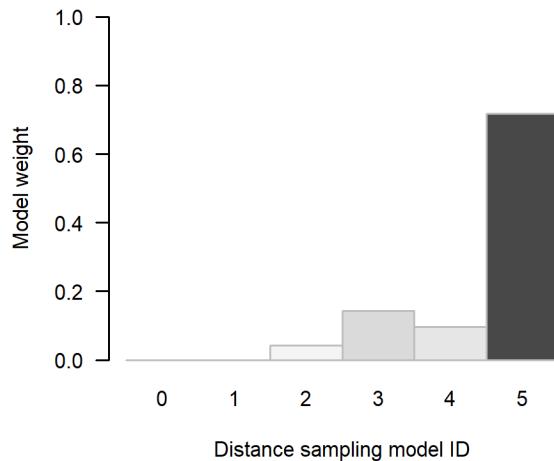




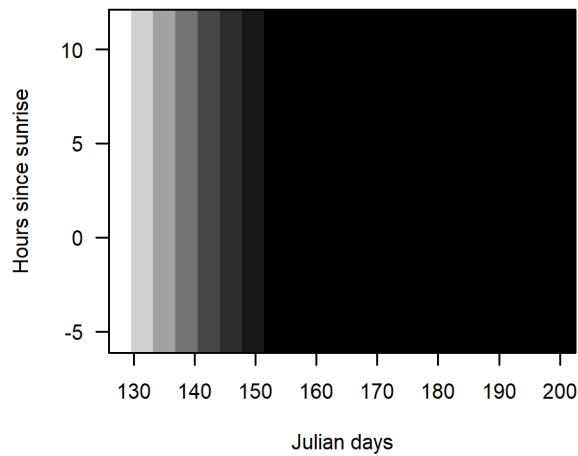
WBNU (n=3166) v4



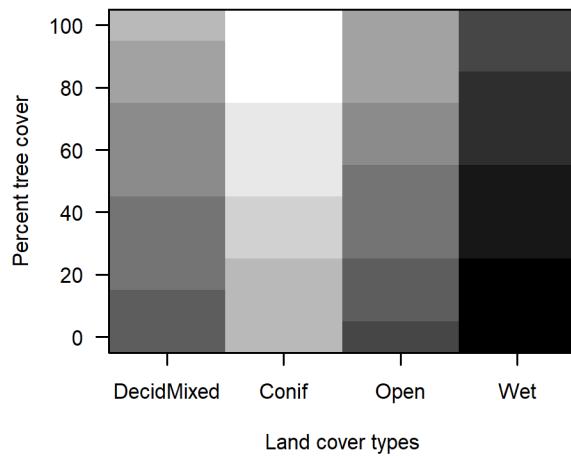
WBNU (n=3989) v4

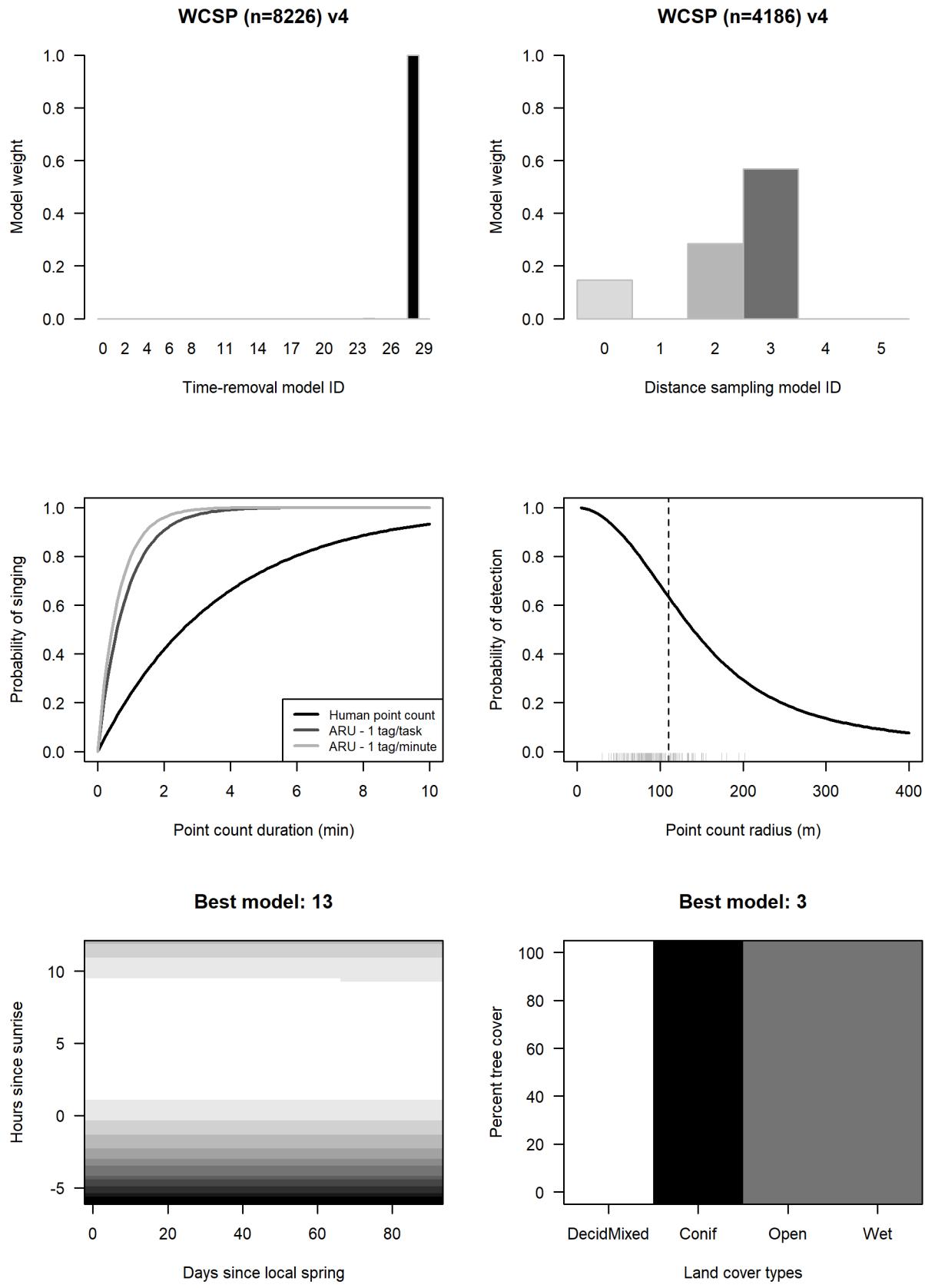


Best model: 3

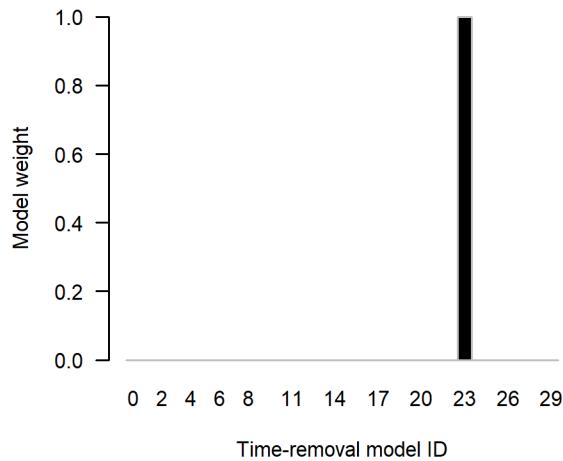


Best model: 5

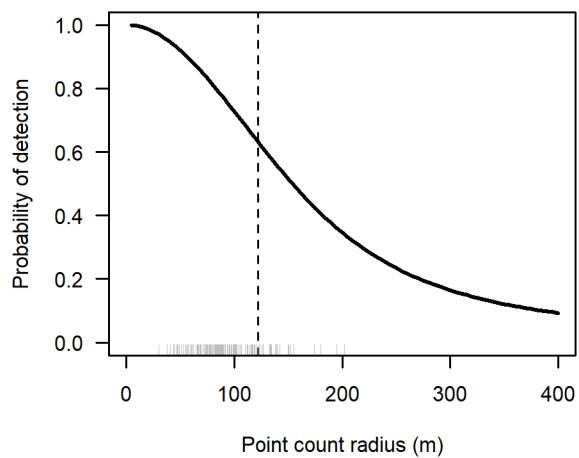
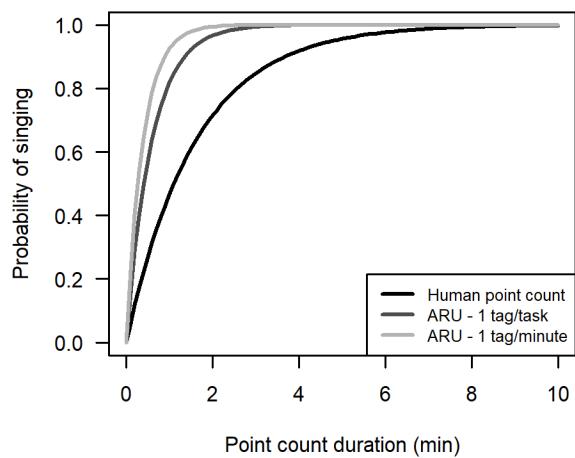
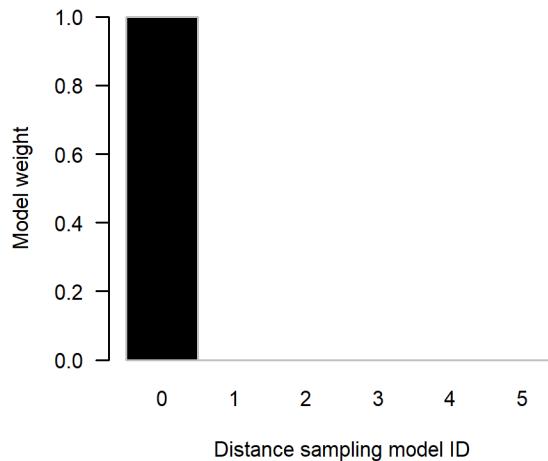




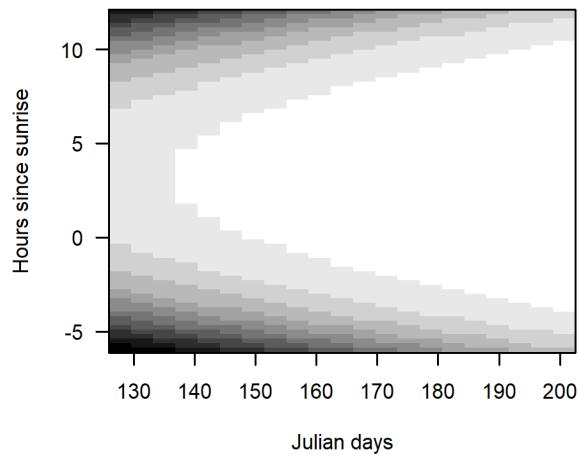
WEME (n=11403) v4



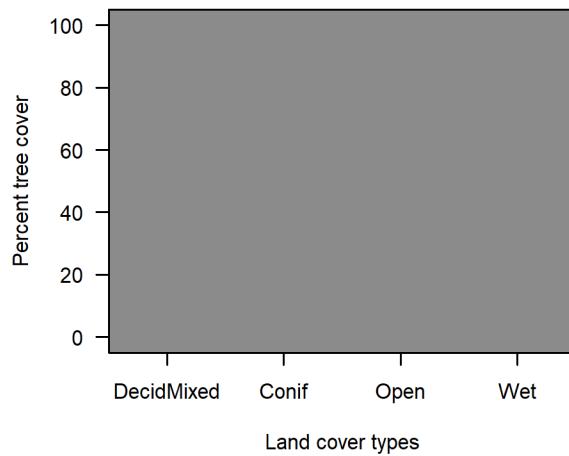
WEME (n=593) v4



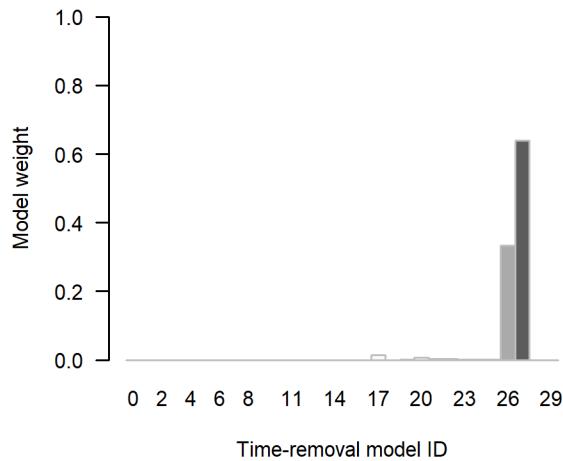
Best model: 8



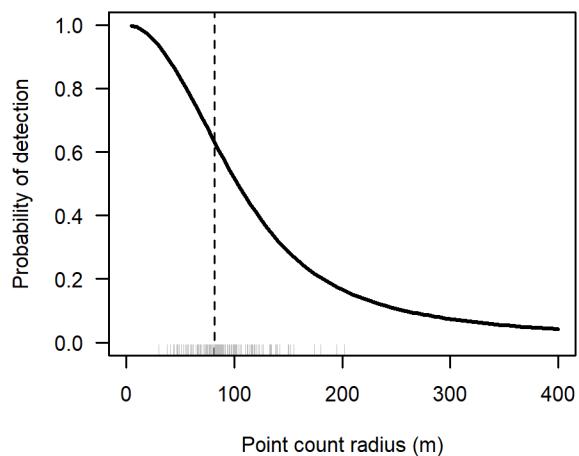
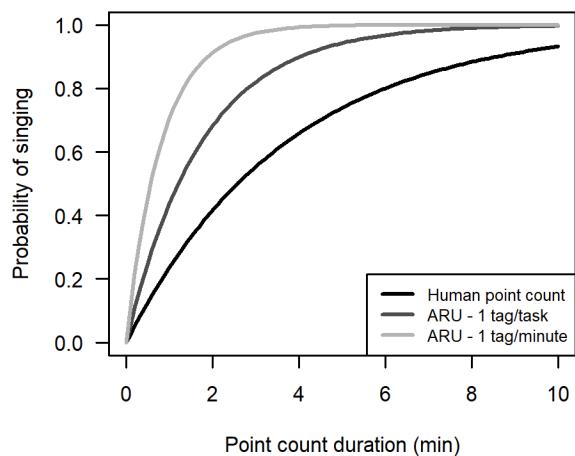
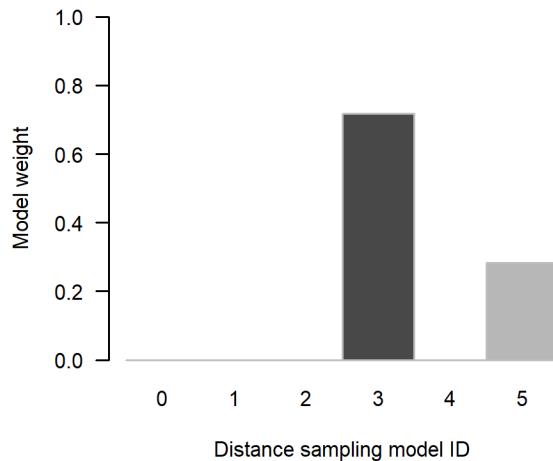
Best model: 0



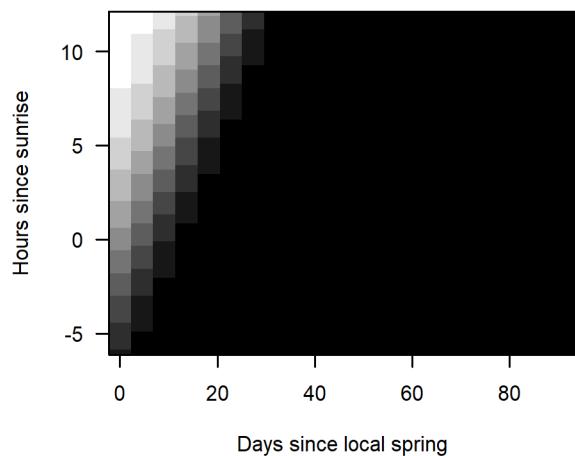
WETA (n=4028) v4



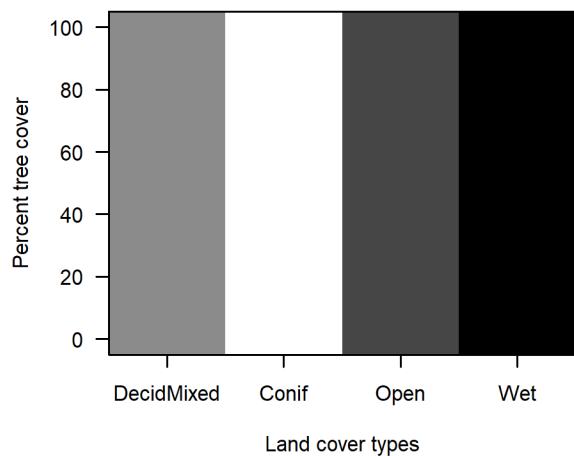
WETA (n=5655) v4

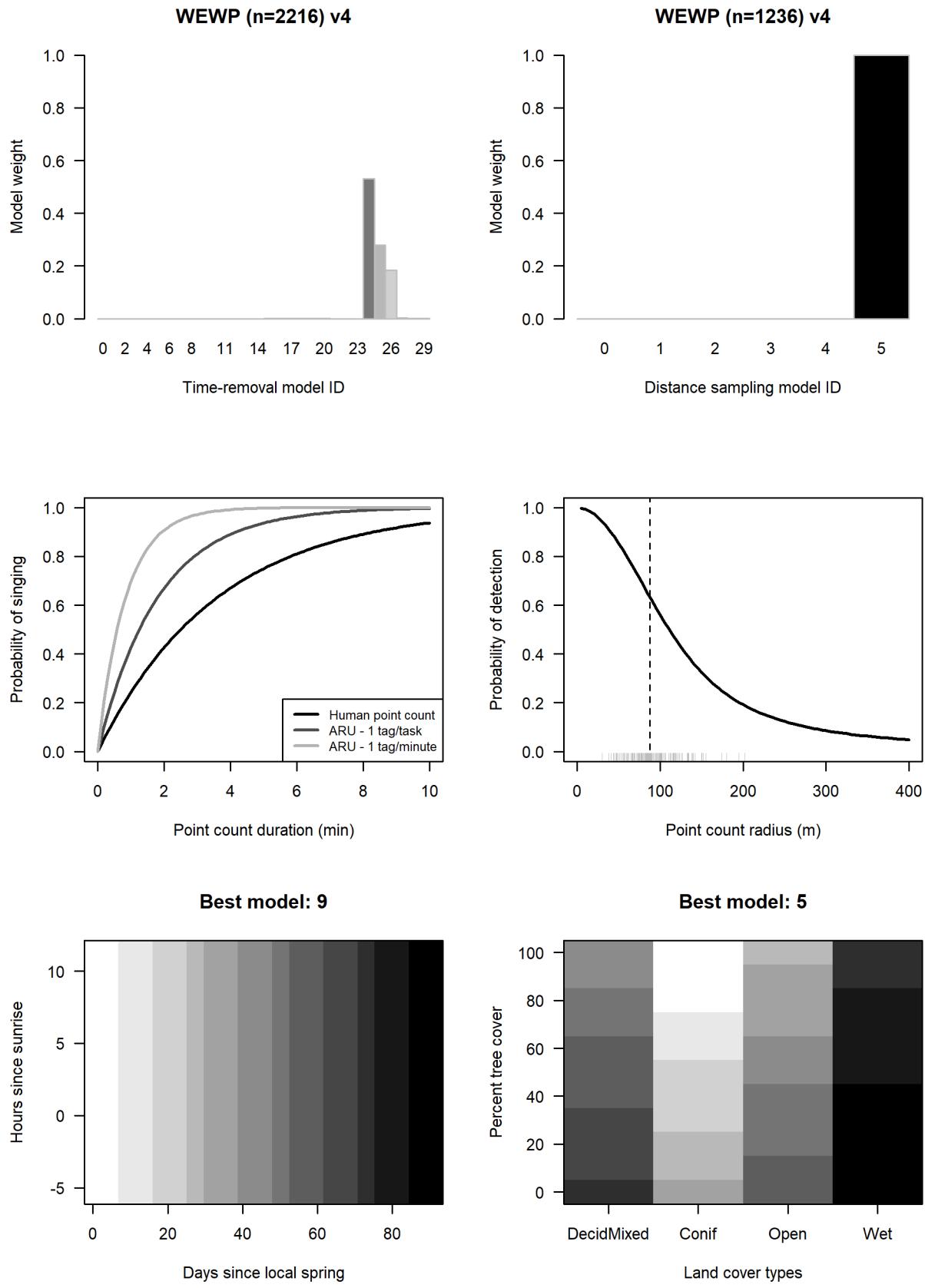


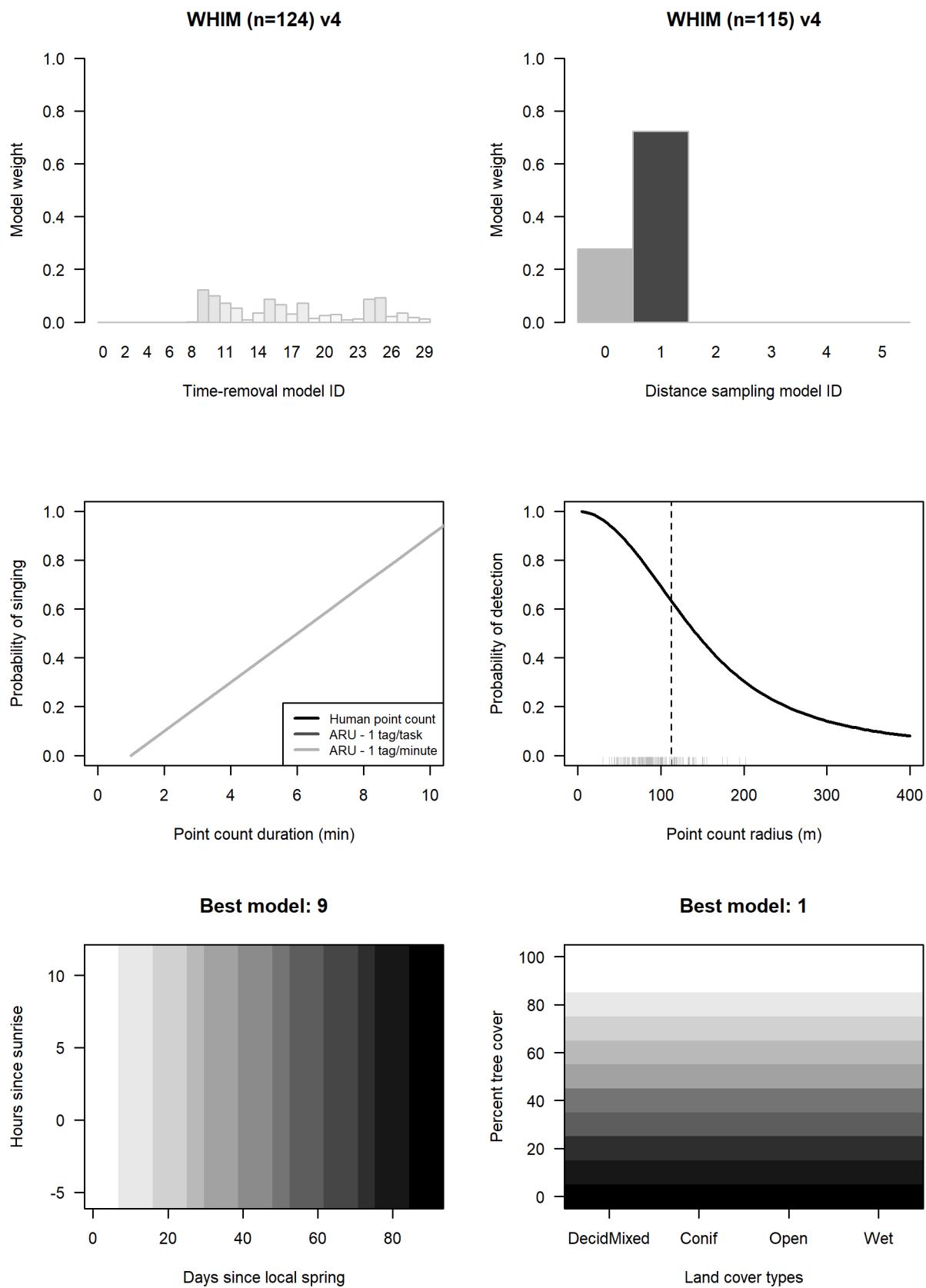
Best model: 12

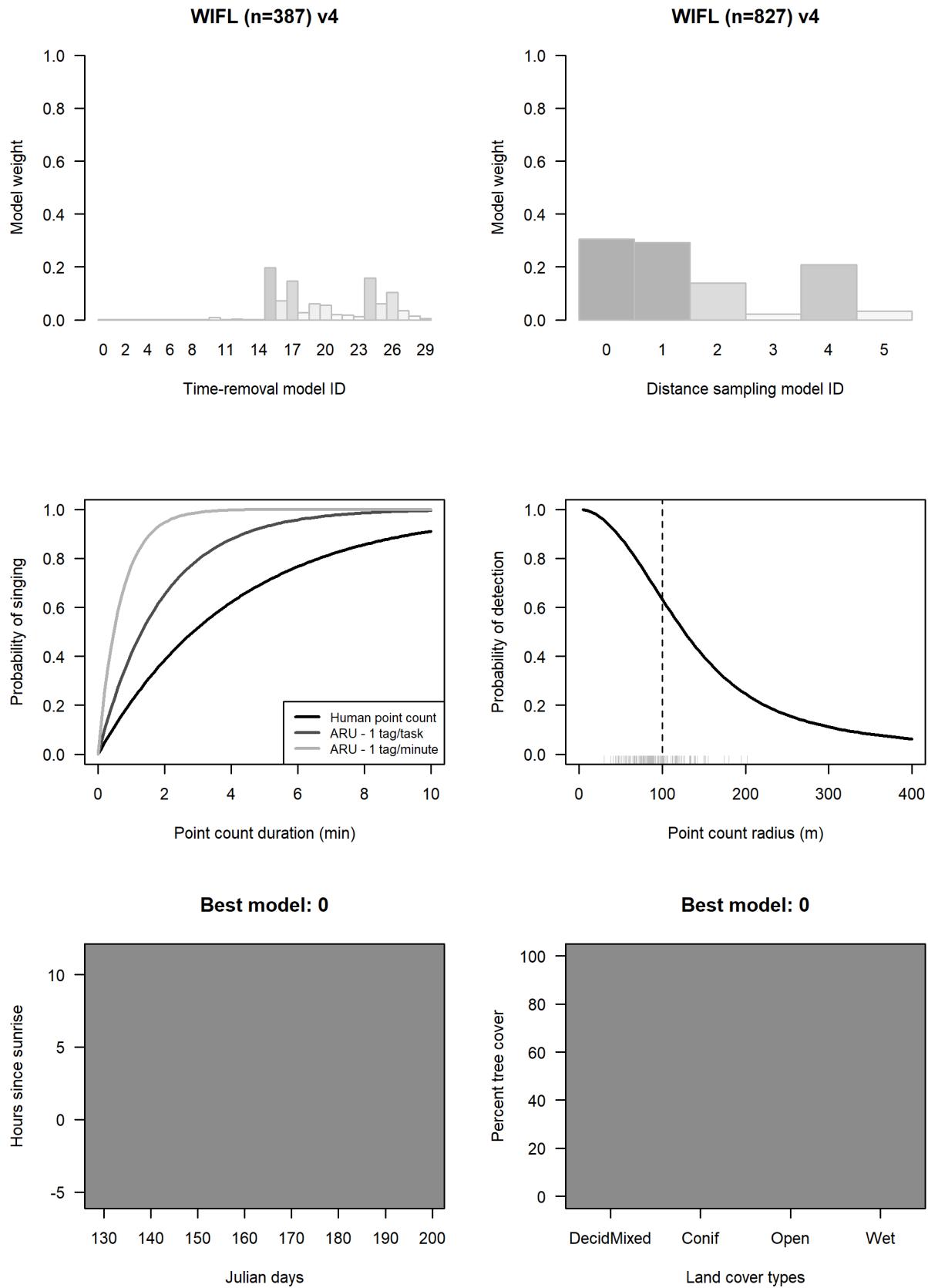


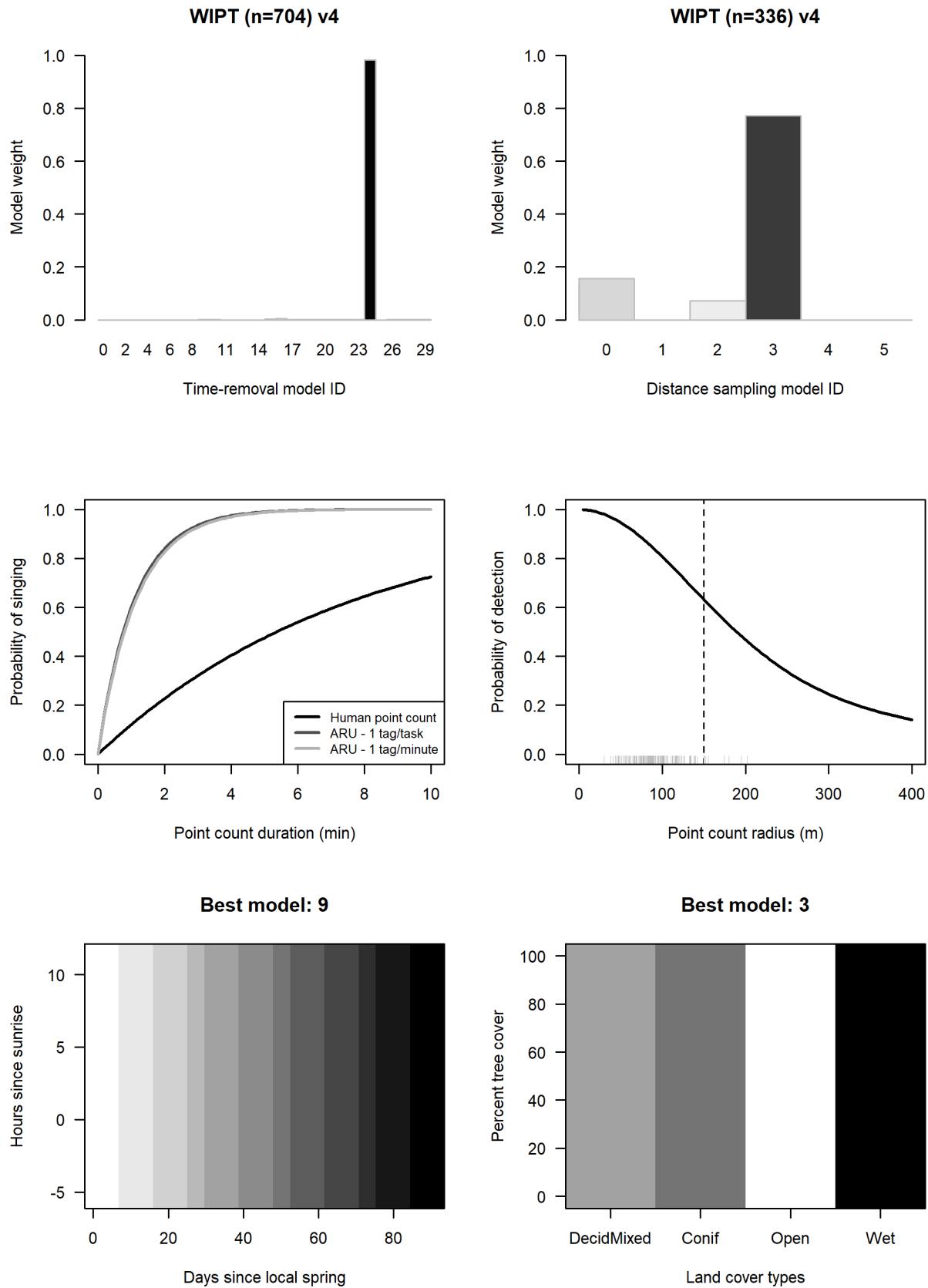
Best model: 3

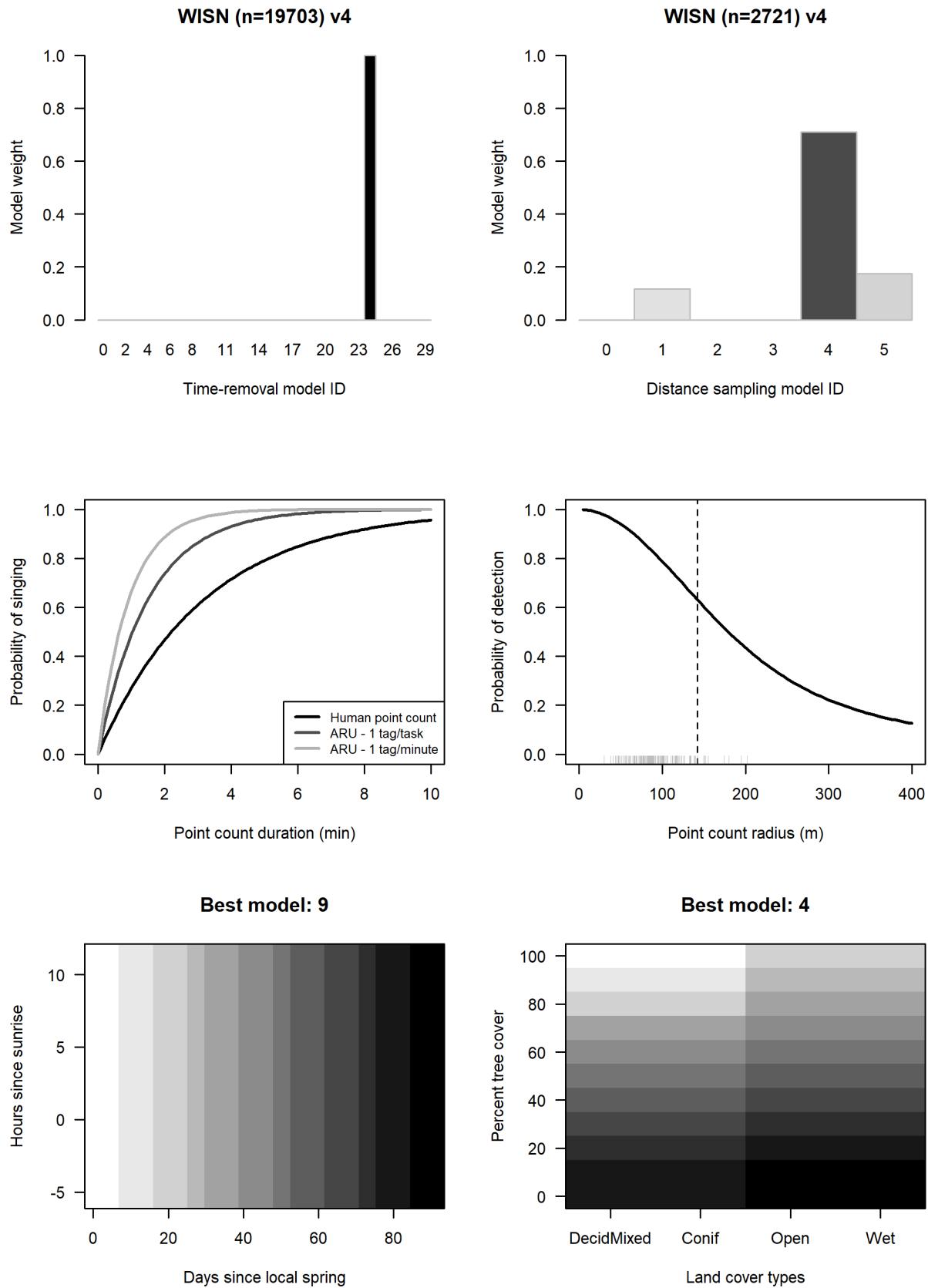


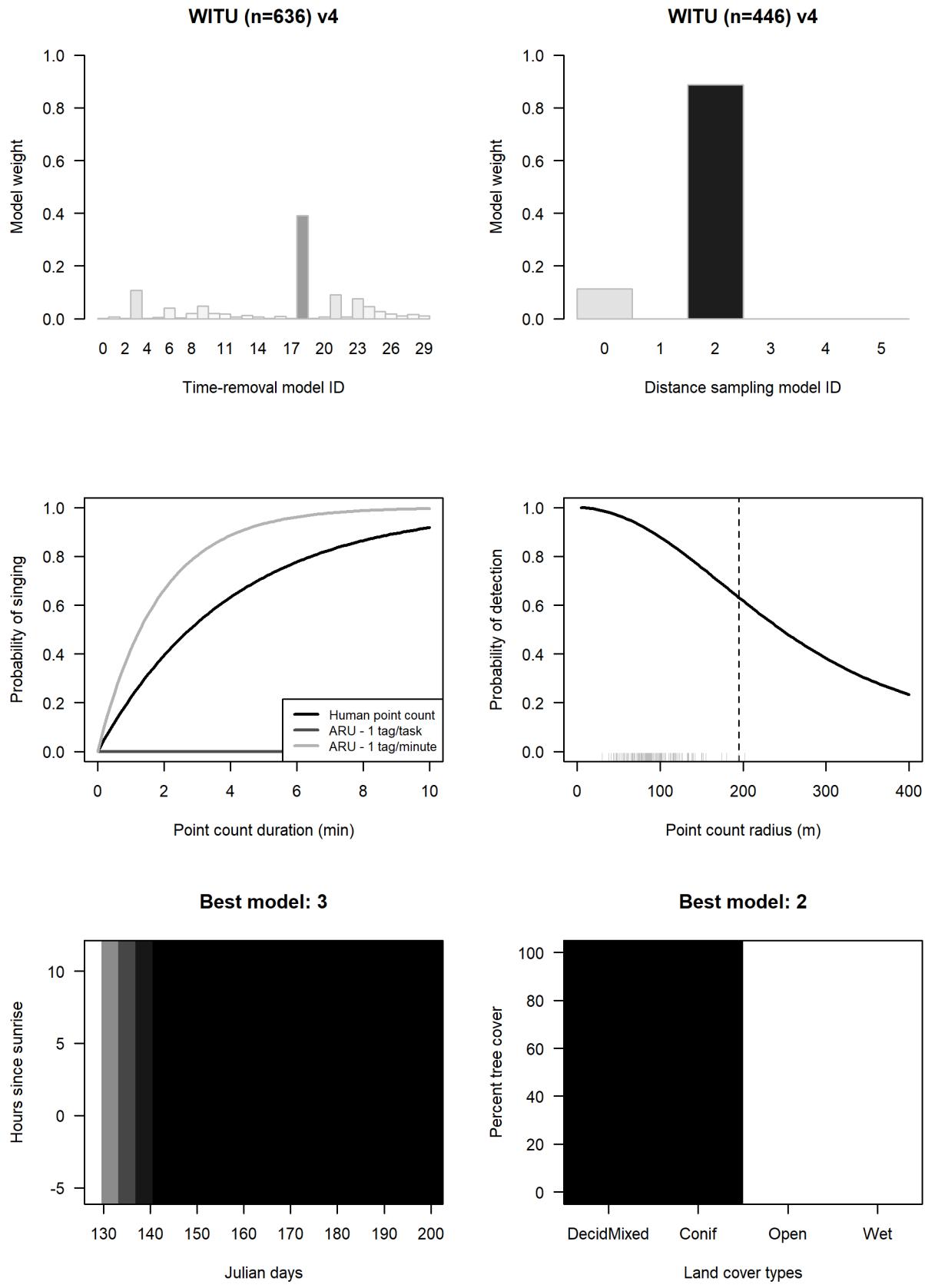




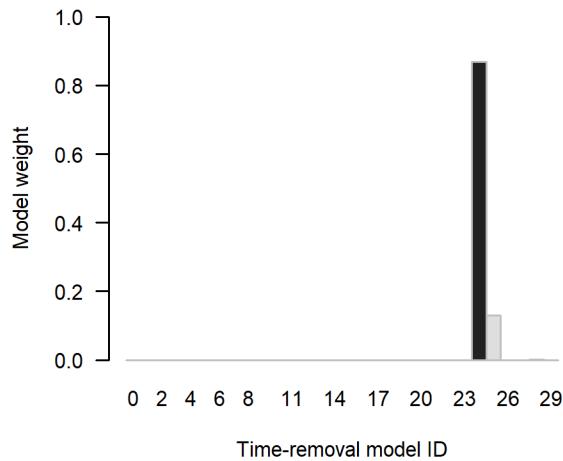




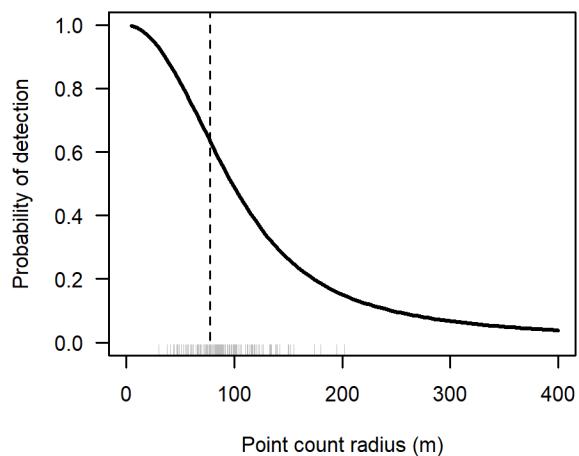
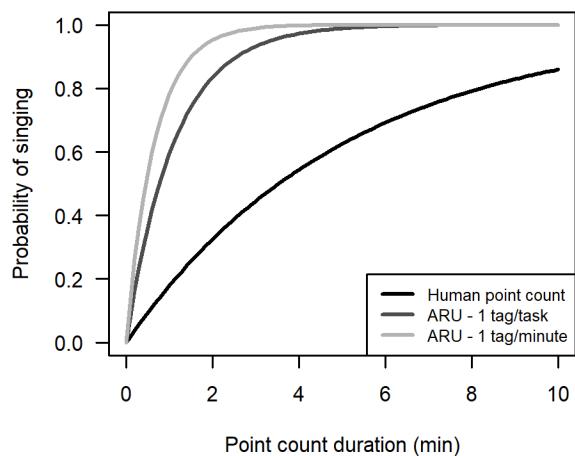
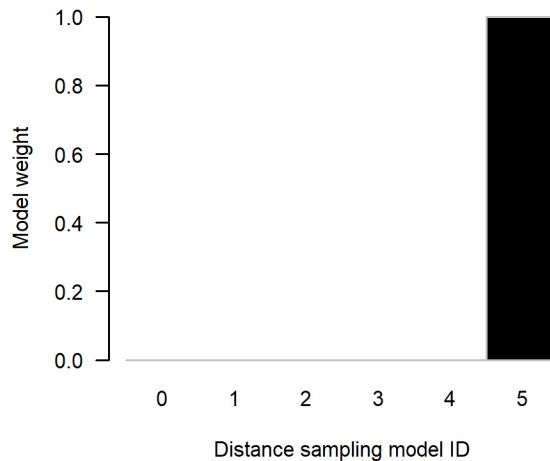




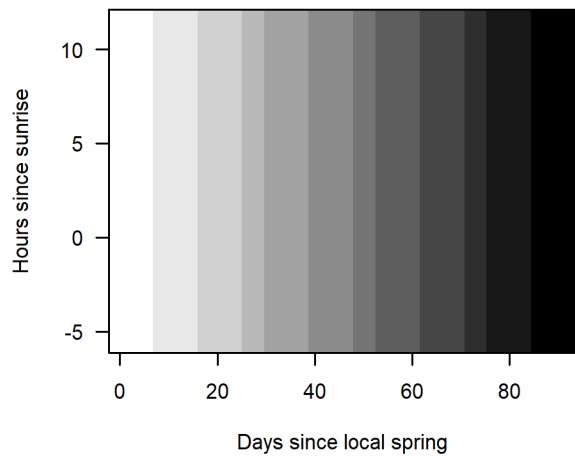
WIWA (n=4850) v4



WIWA (n=3798) v4



Best model: 9



Best model: 5

