

QPAD version 4 documentation - Species Plots

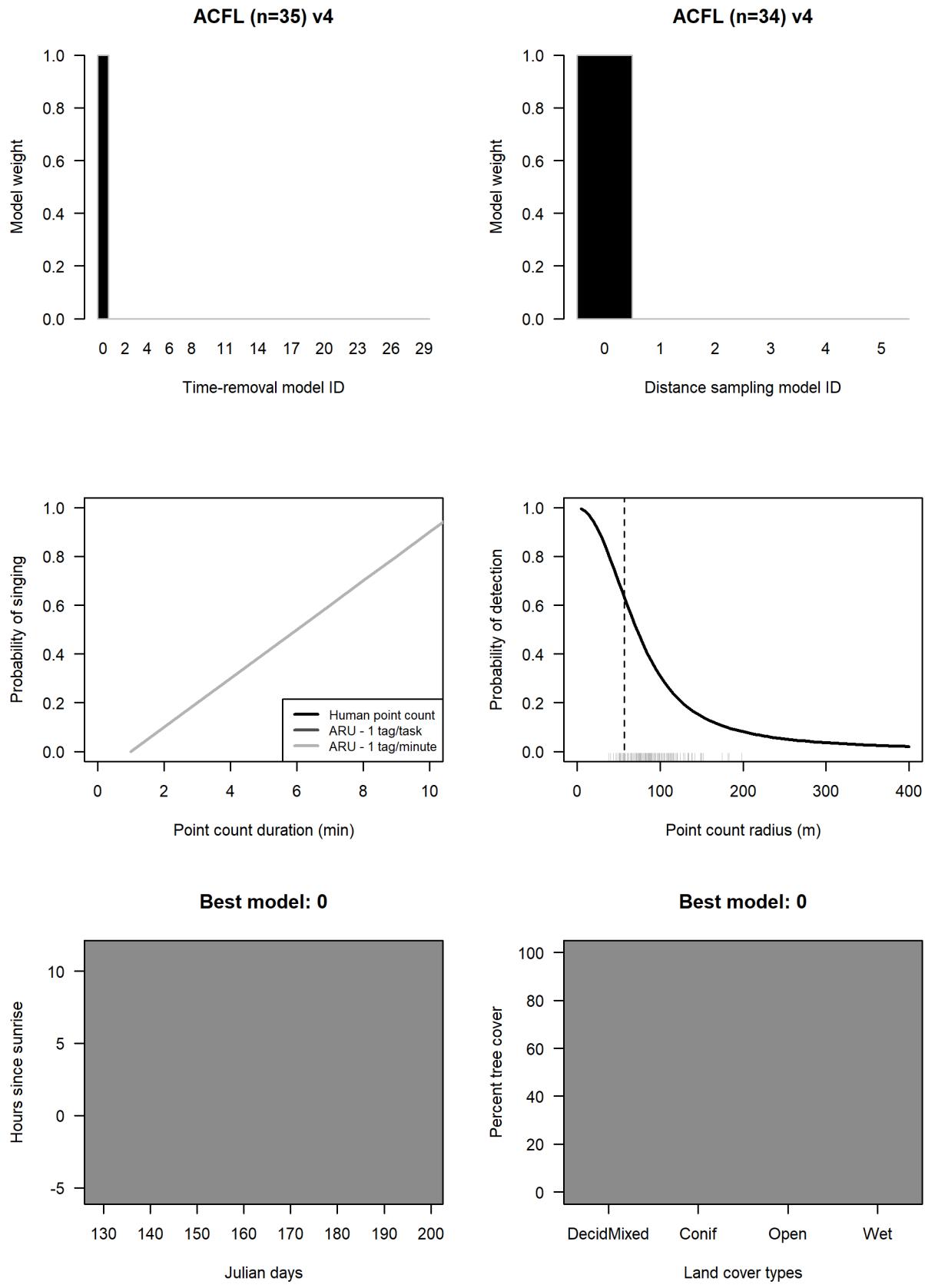
Elly Knight

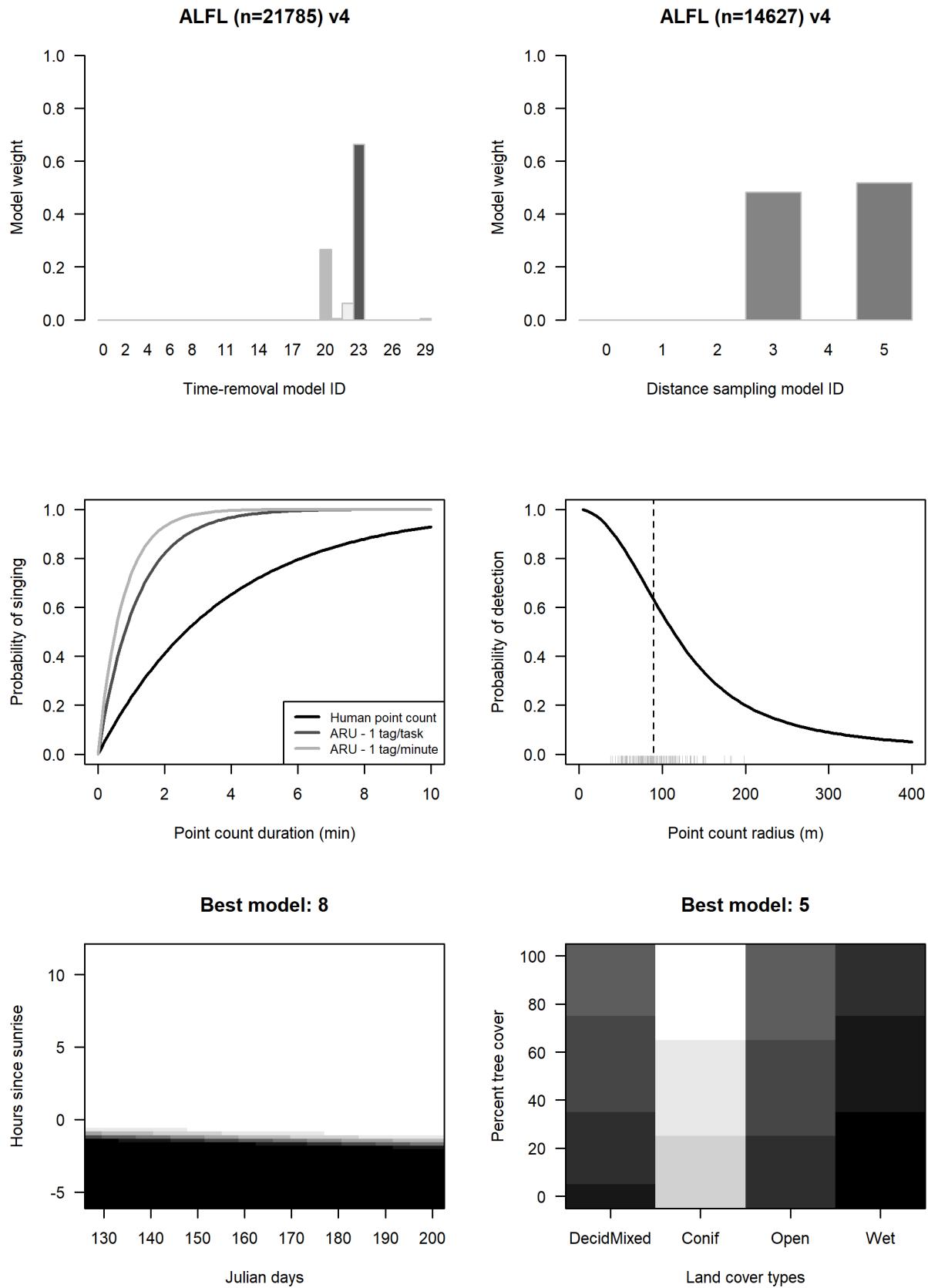
February 02, 2023

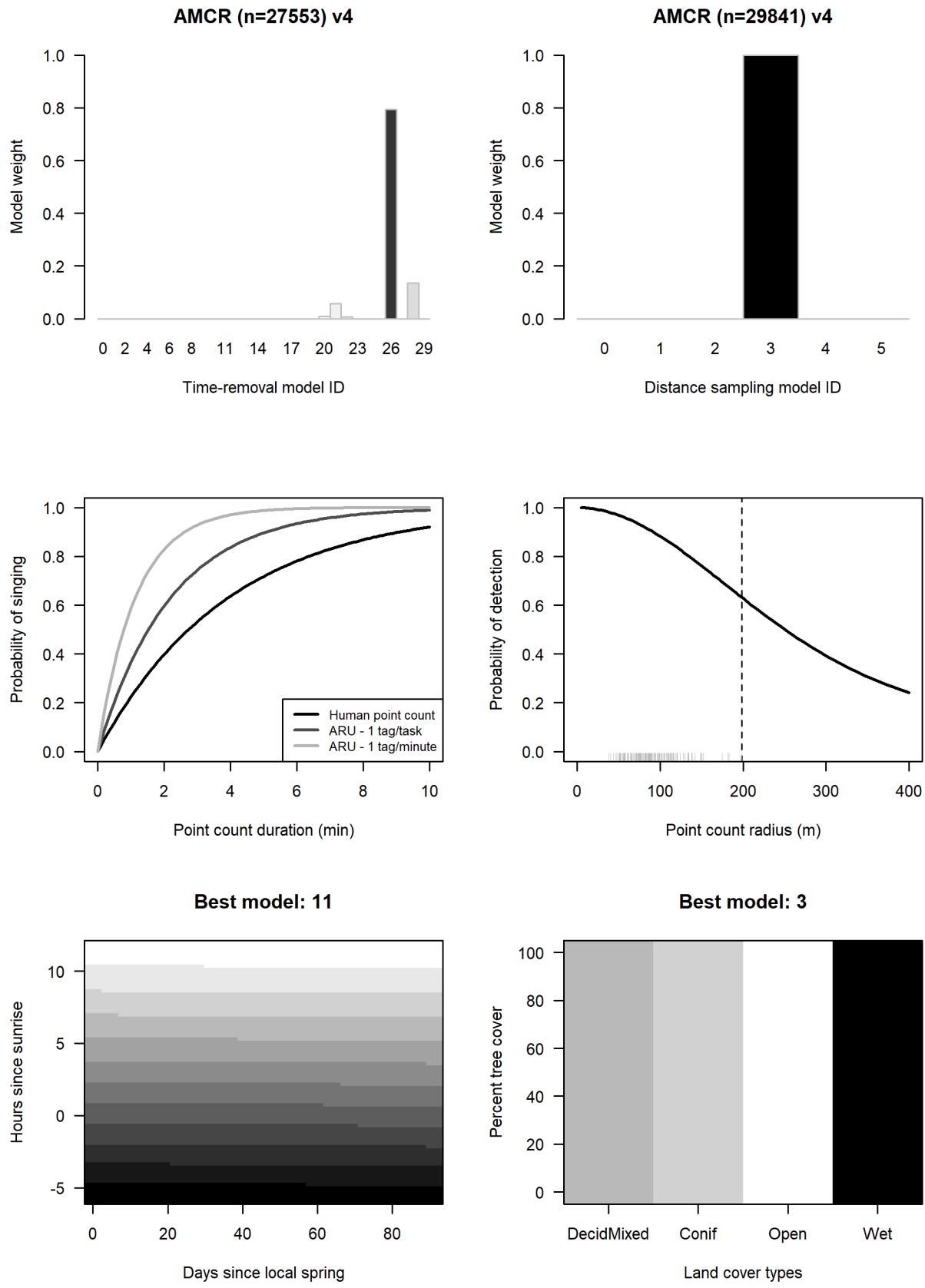
Background

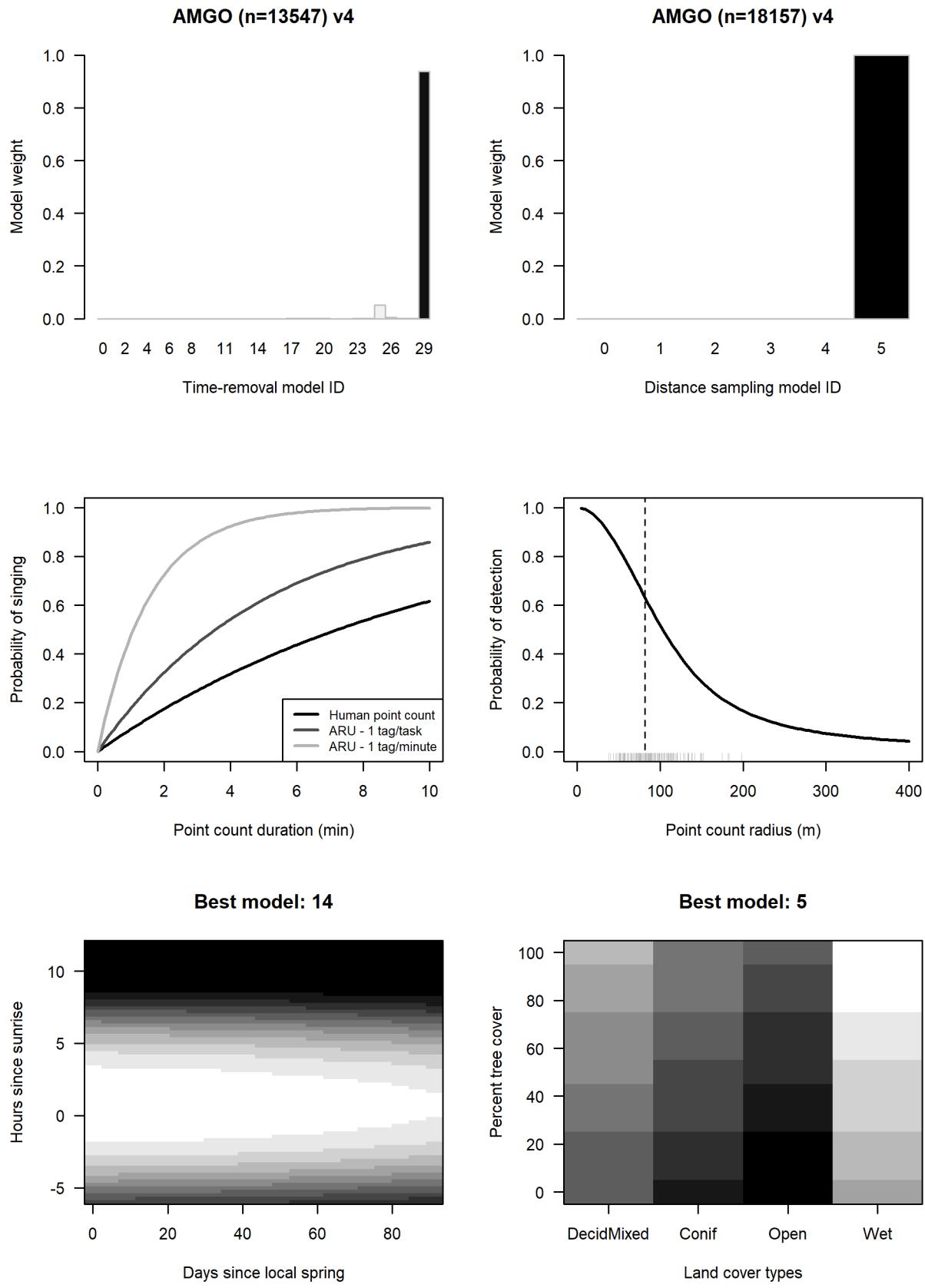
The following report contains output from the ‘plot_BAM_QPAD()’ function in the **QPAD** package and can be used to visualize the results from the time-removal and distance sampling models available in the **QPAD** package version 4.

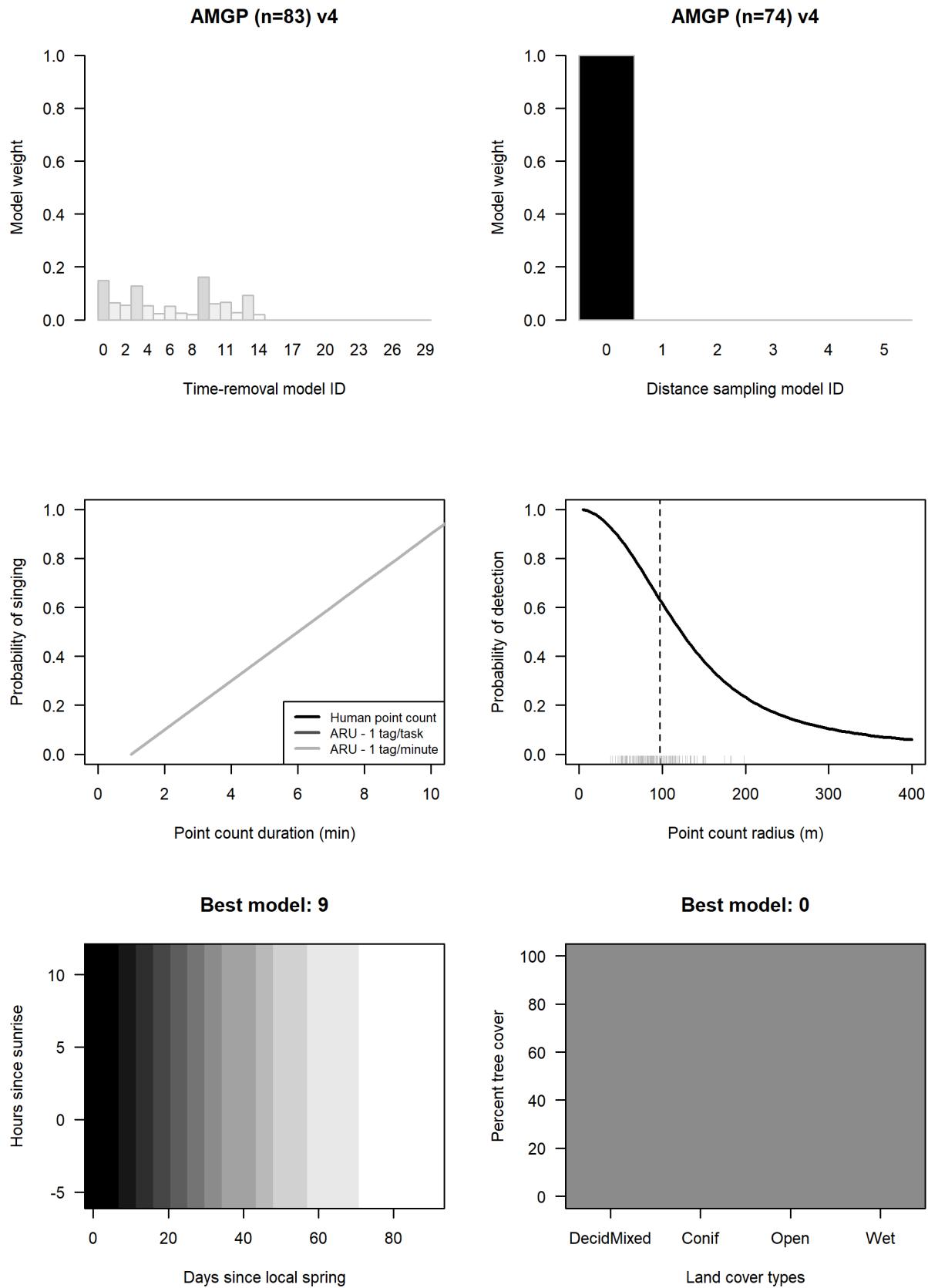
The plots show result summaries for time-removal models (left) and distance sampling (right). The top row shows model selection results for model candidates. The middle row depicts constant singing rate as a function of sampling duration (left) and constant detection distance based distance-decay function (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).

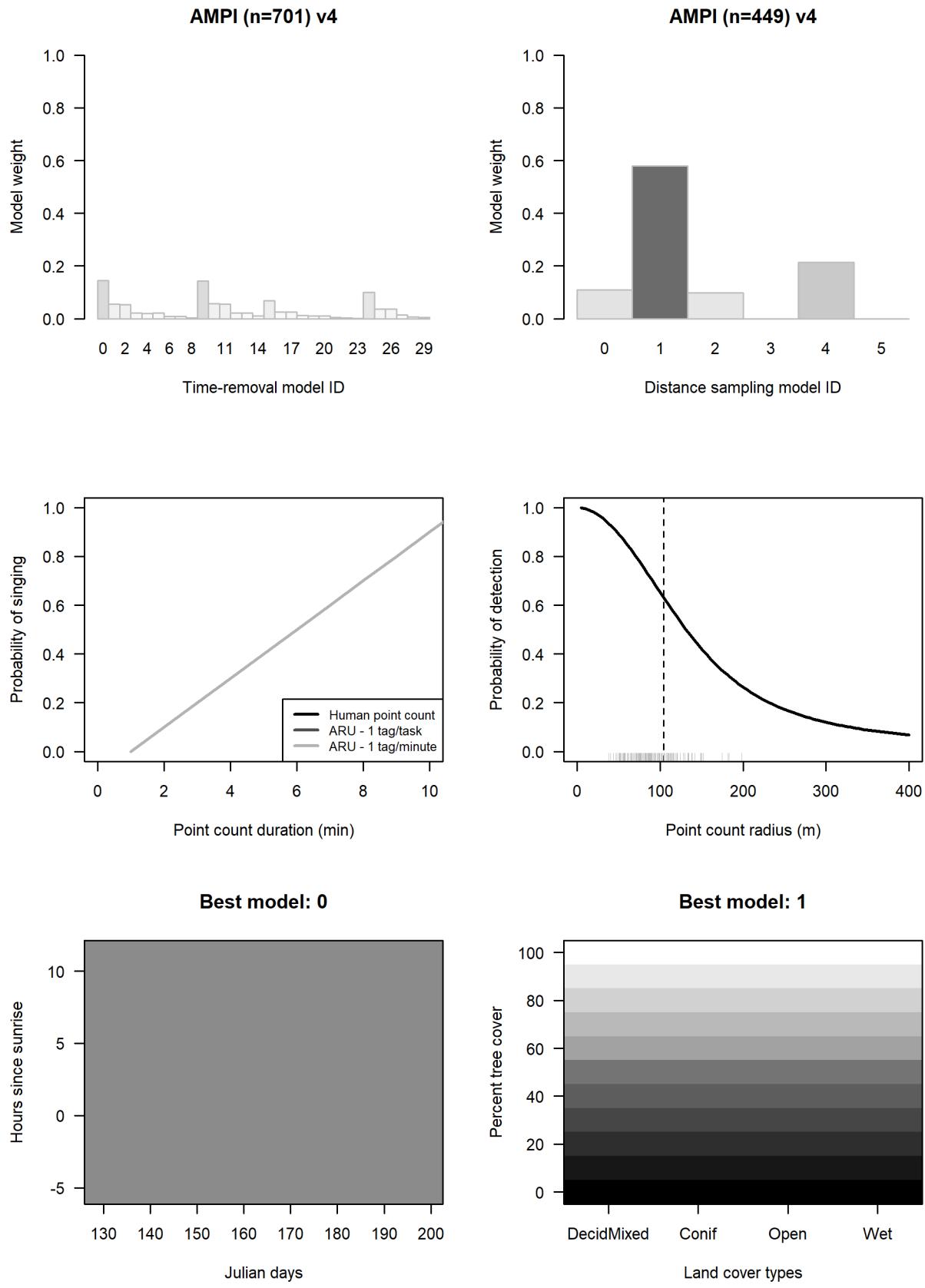


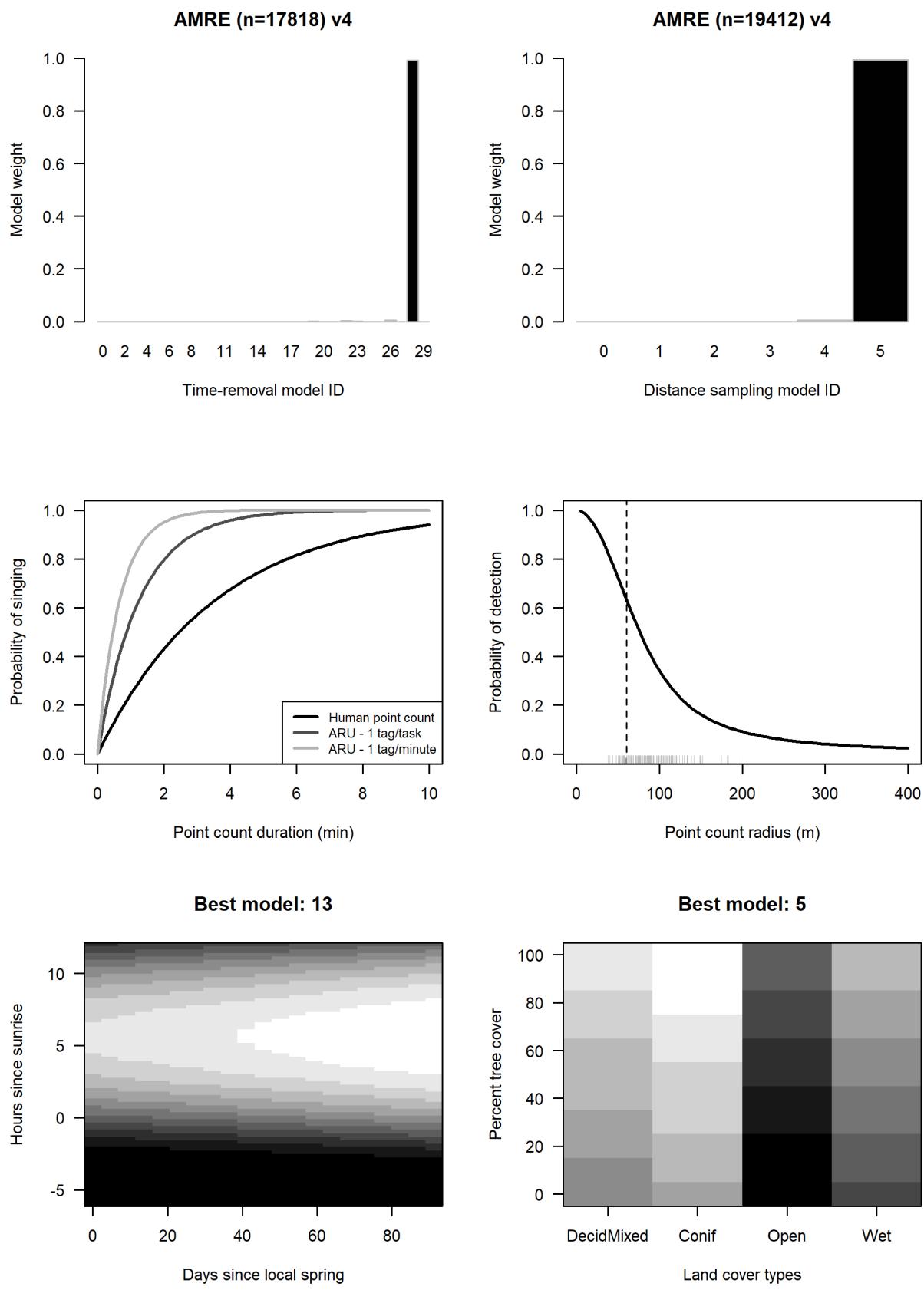


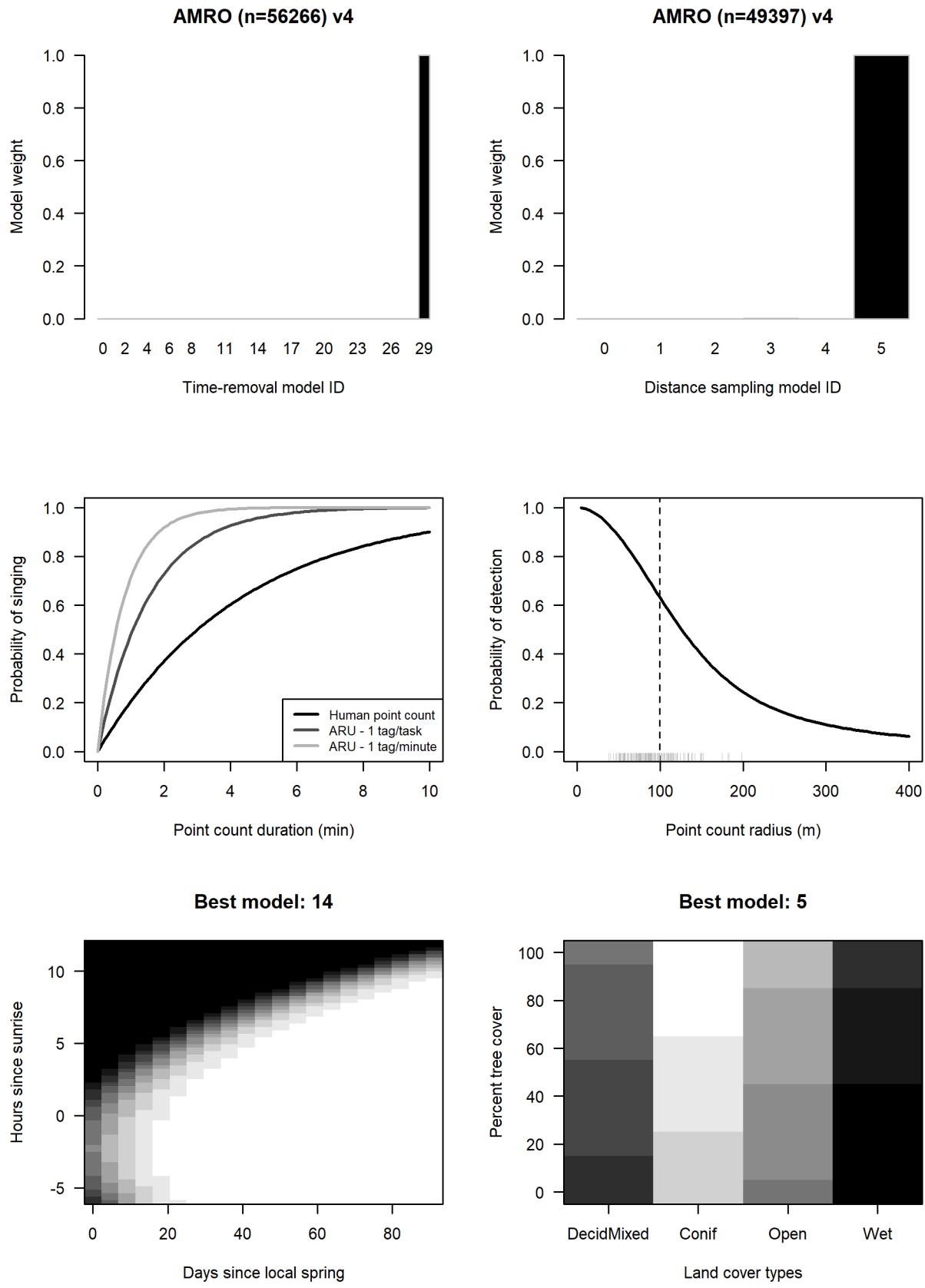


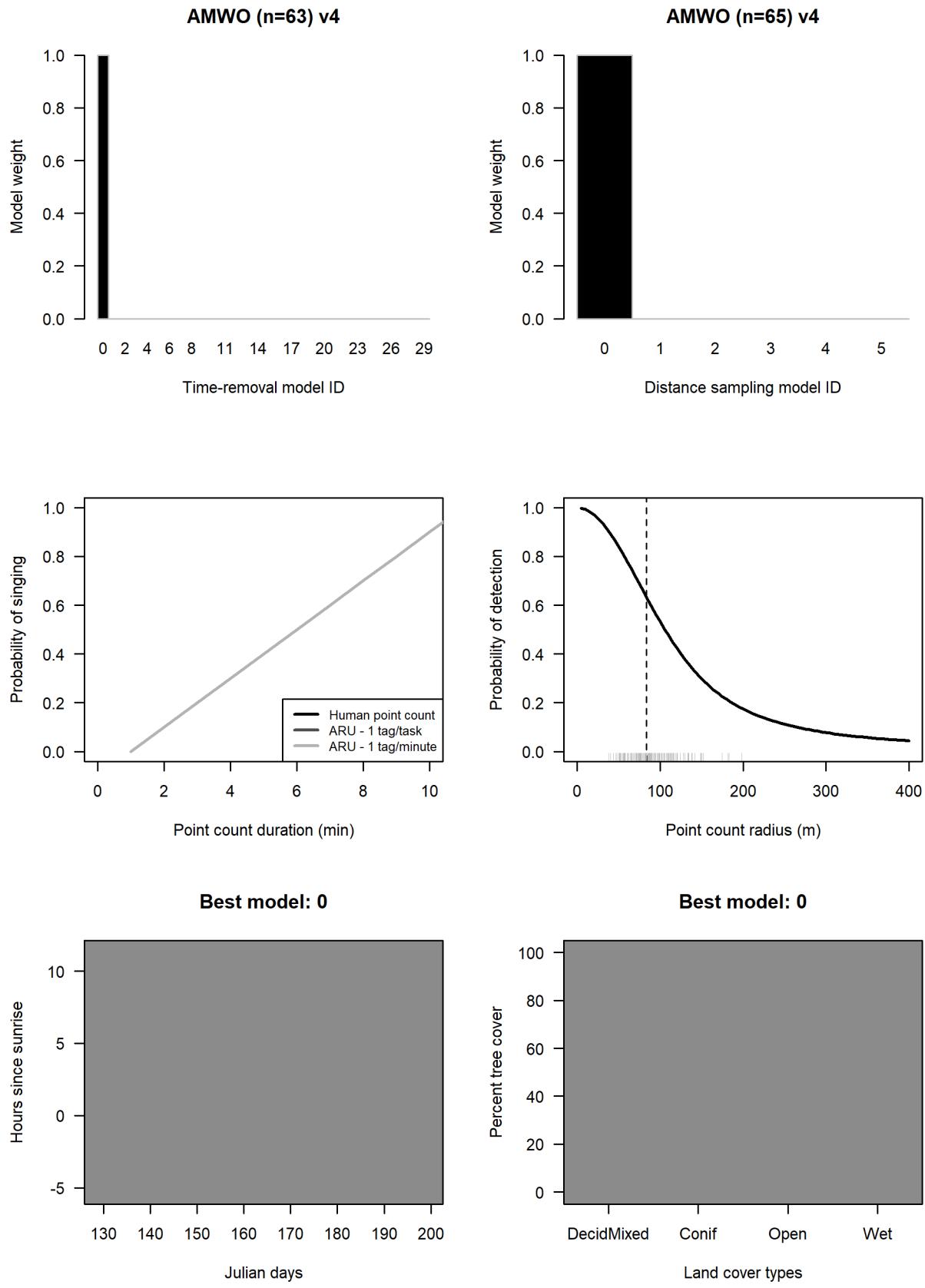


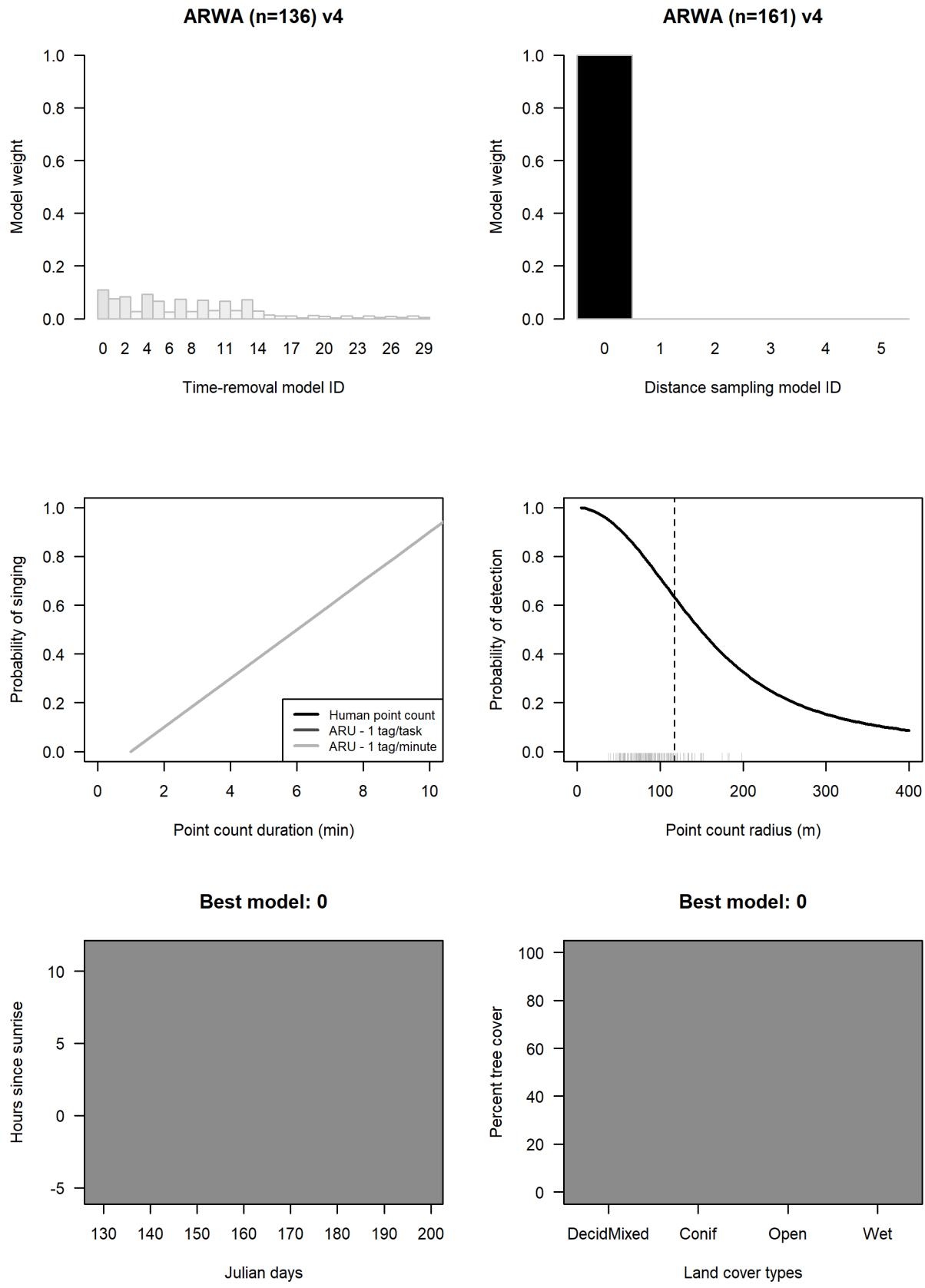


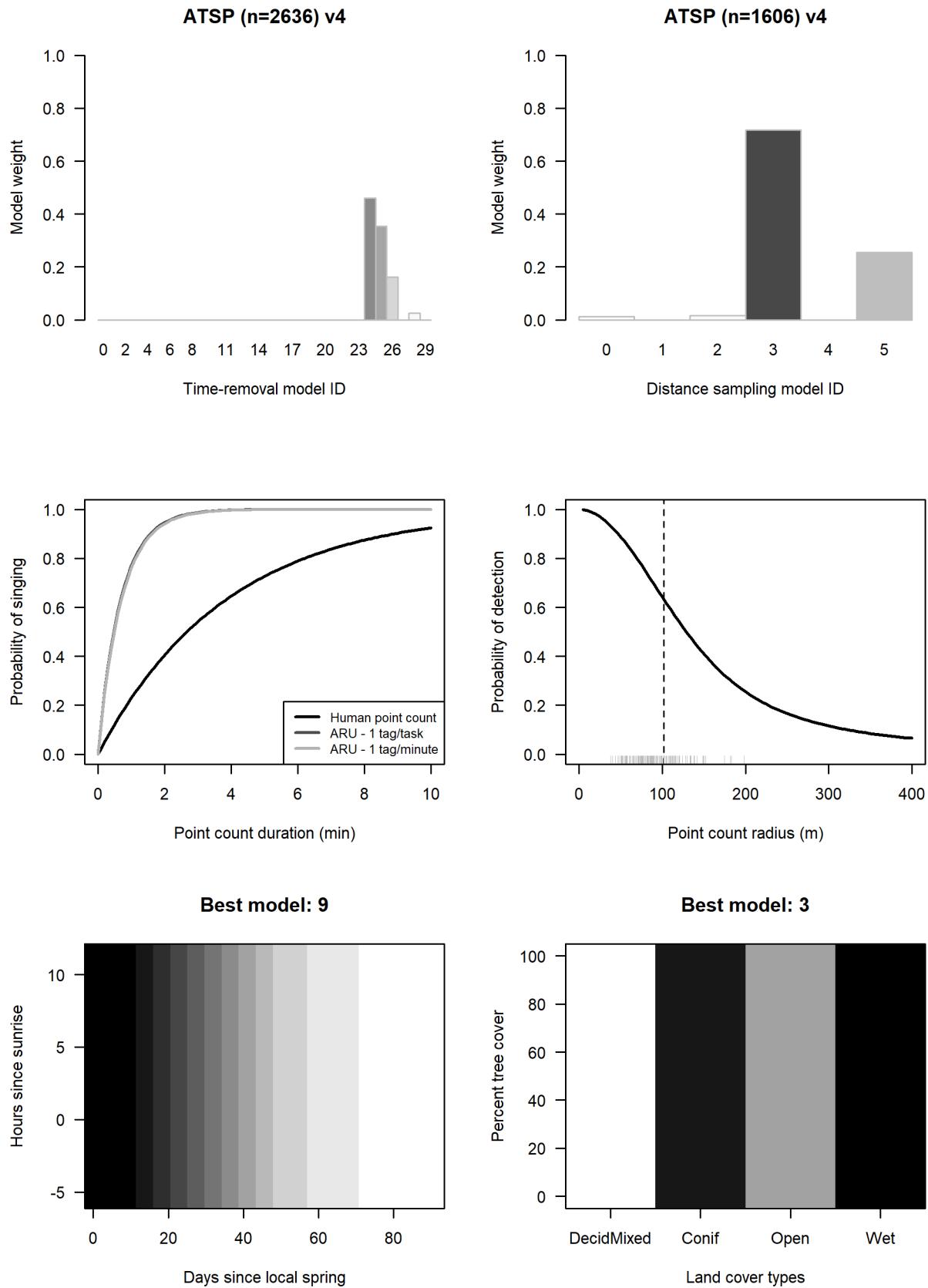


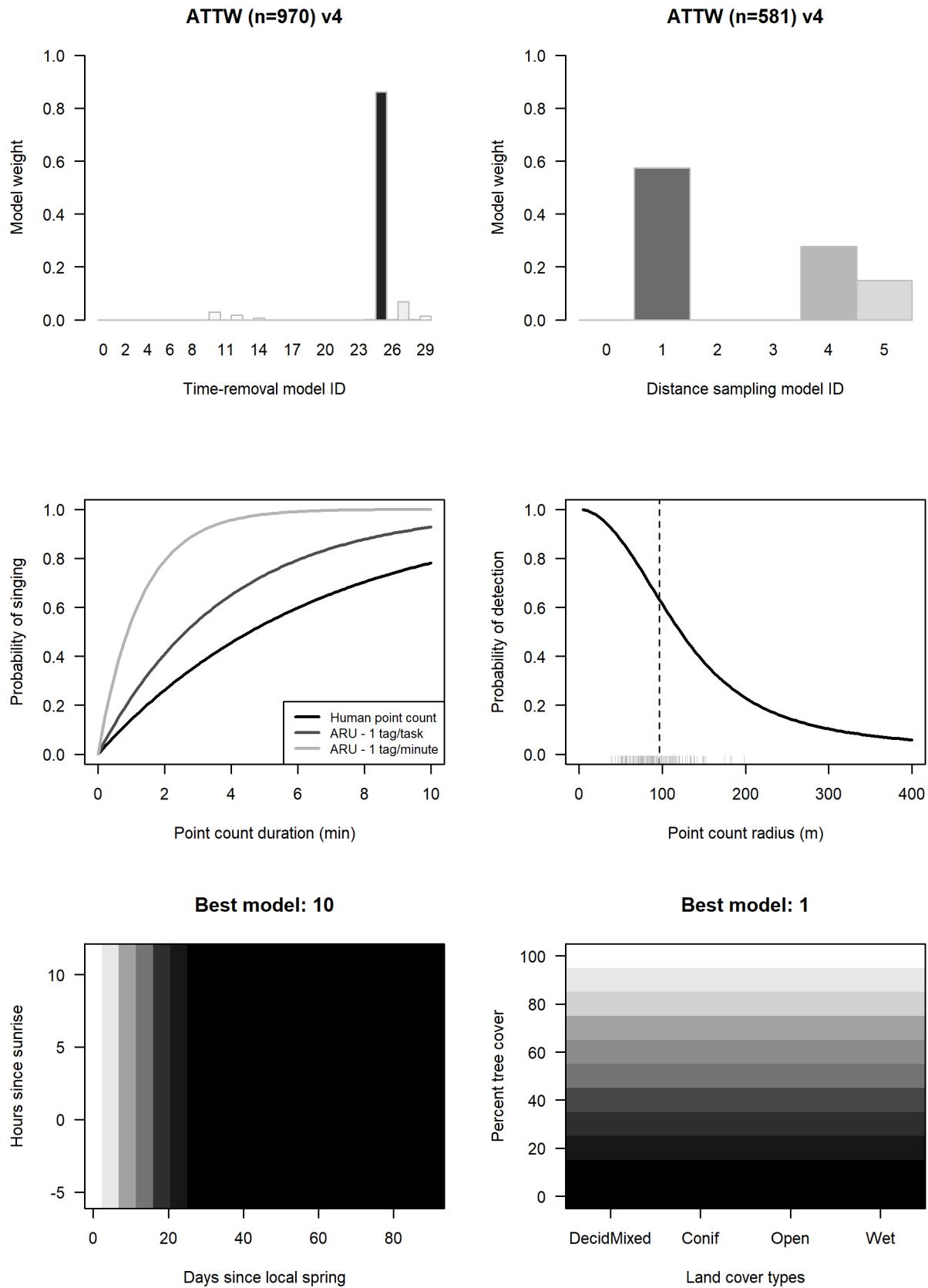


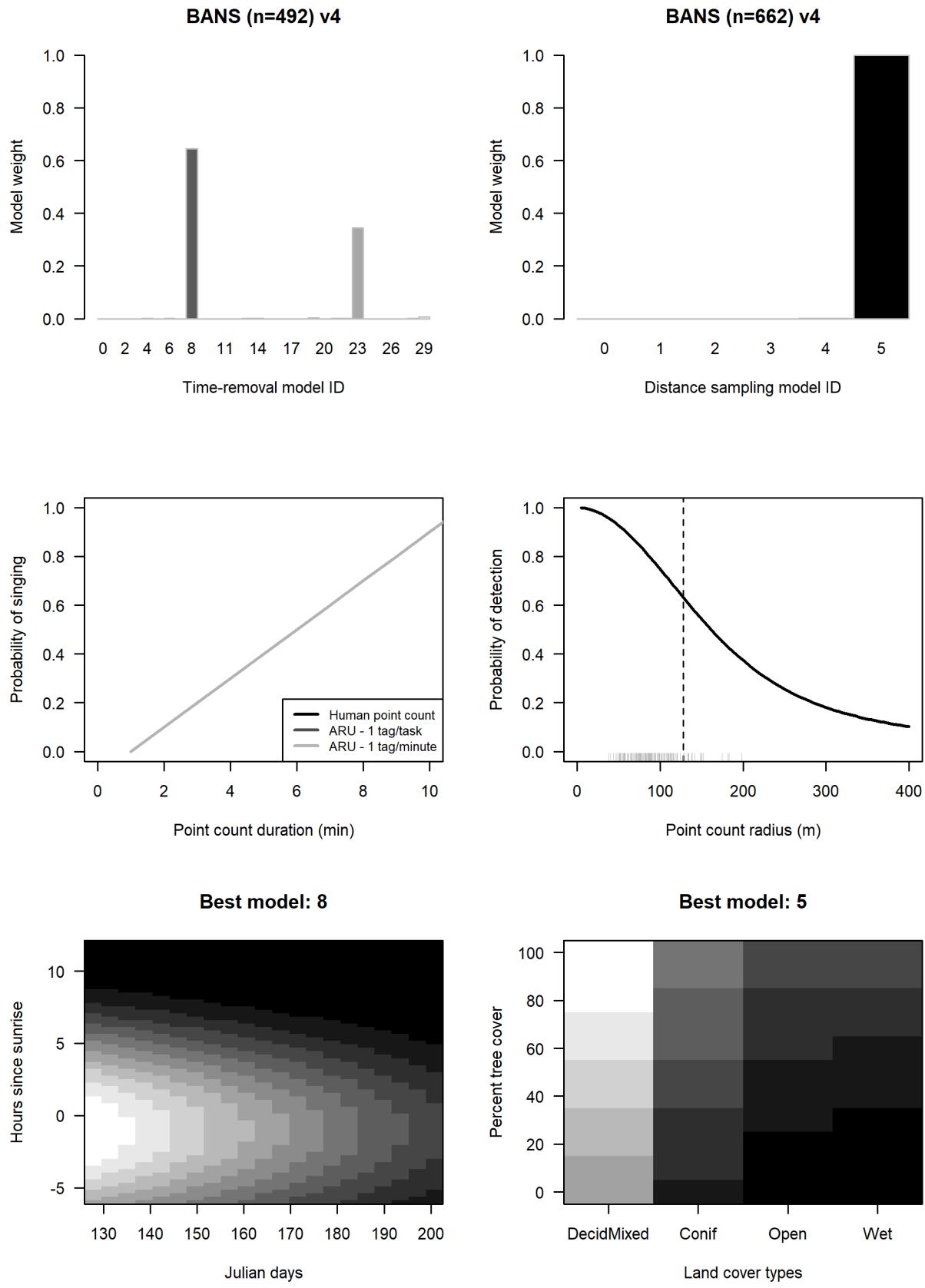


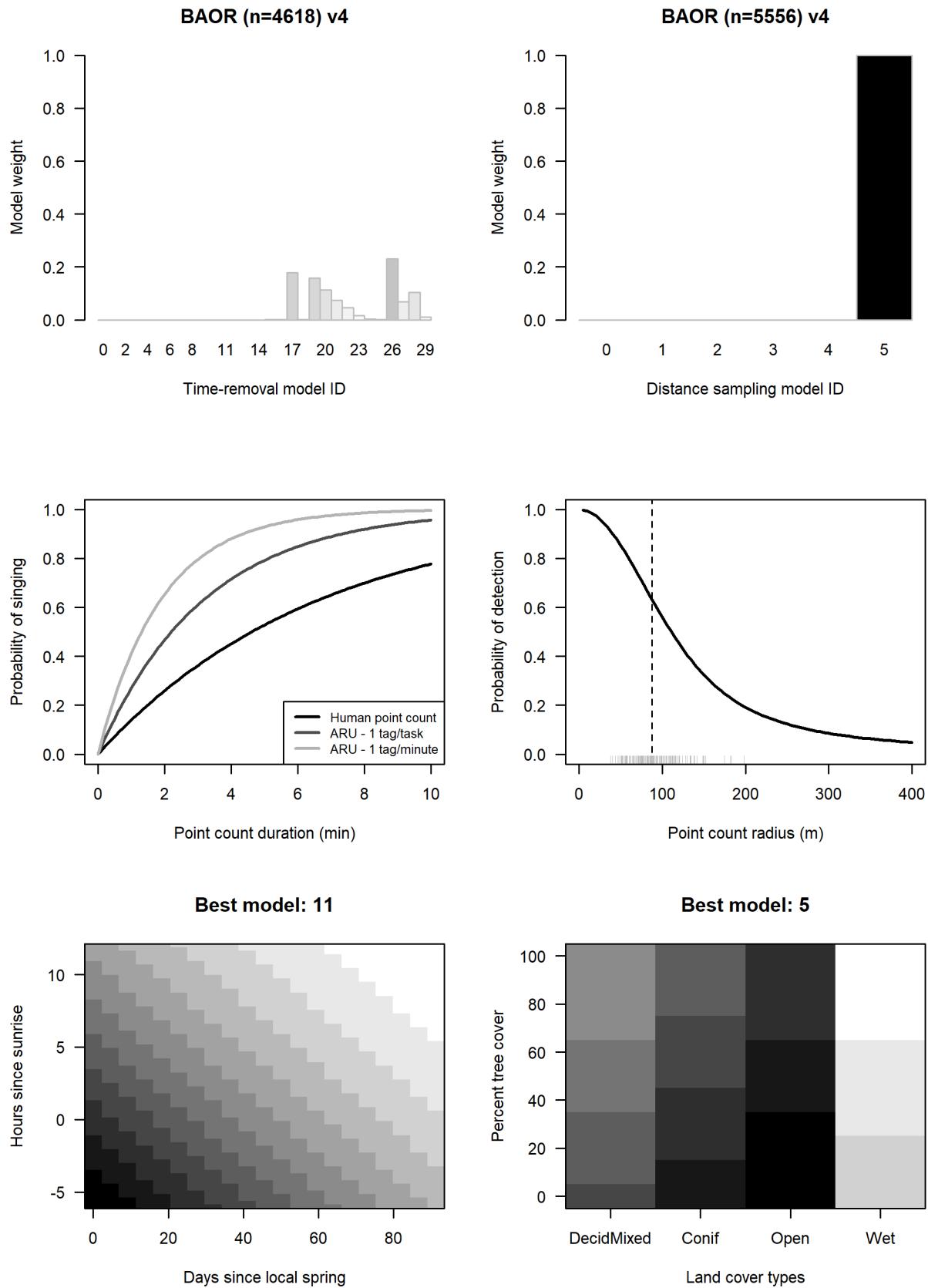


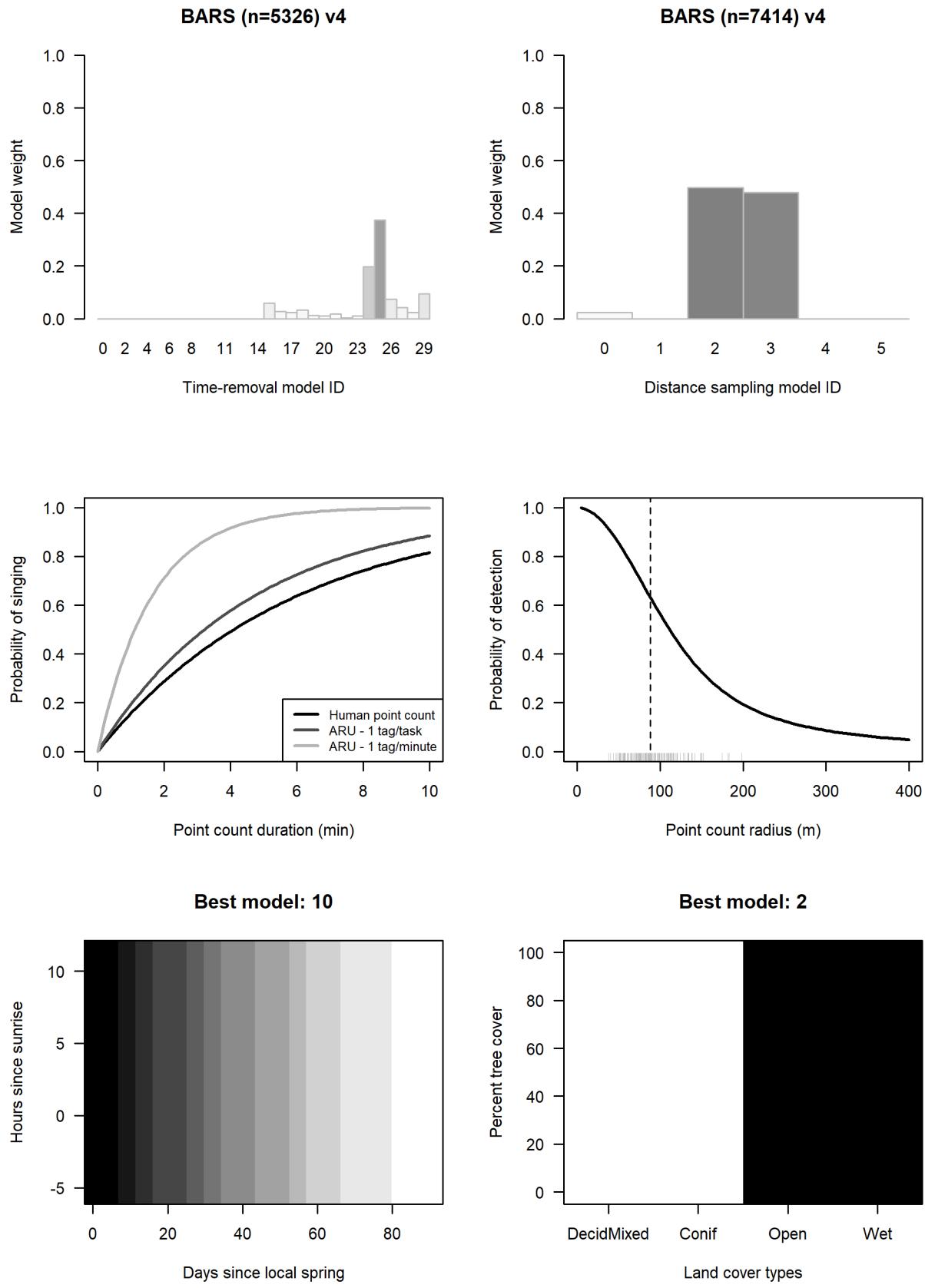


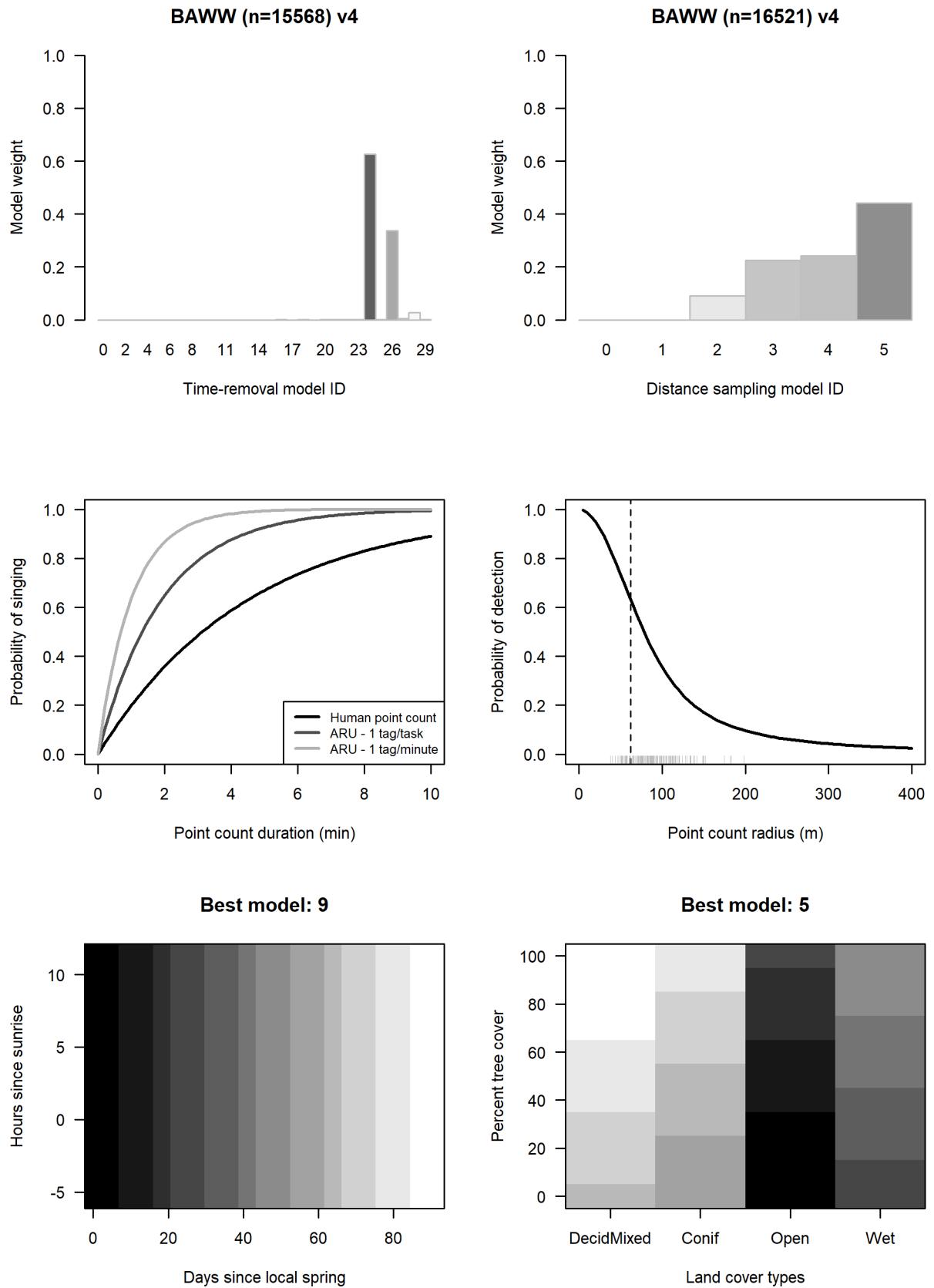


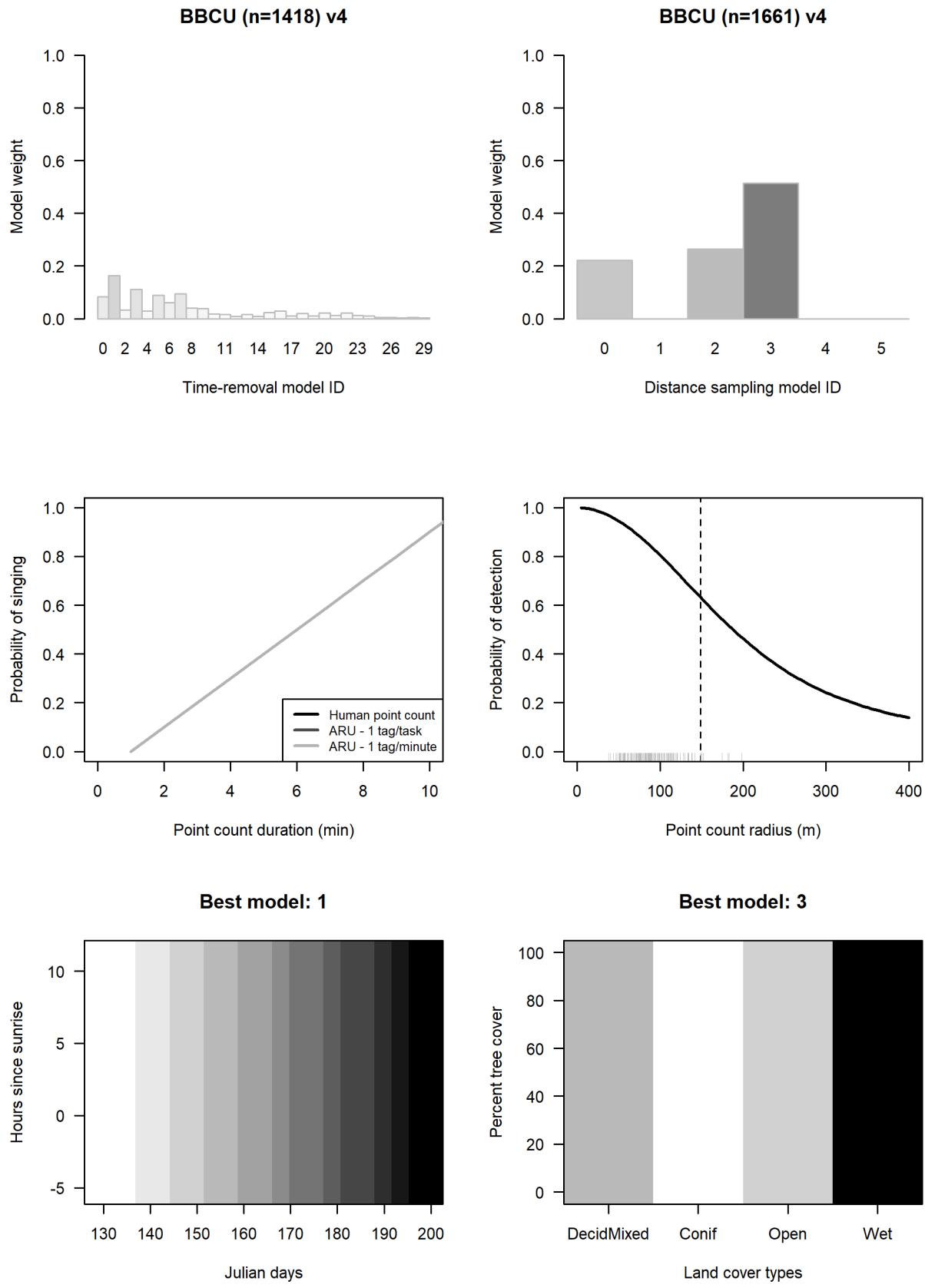


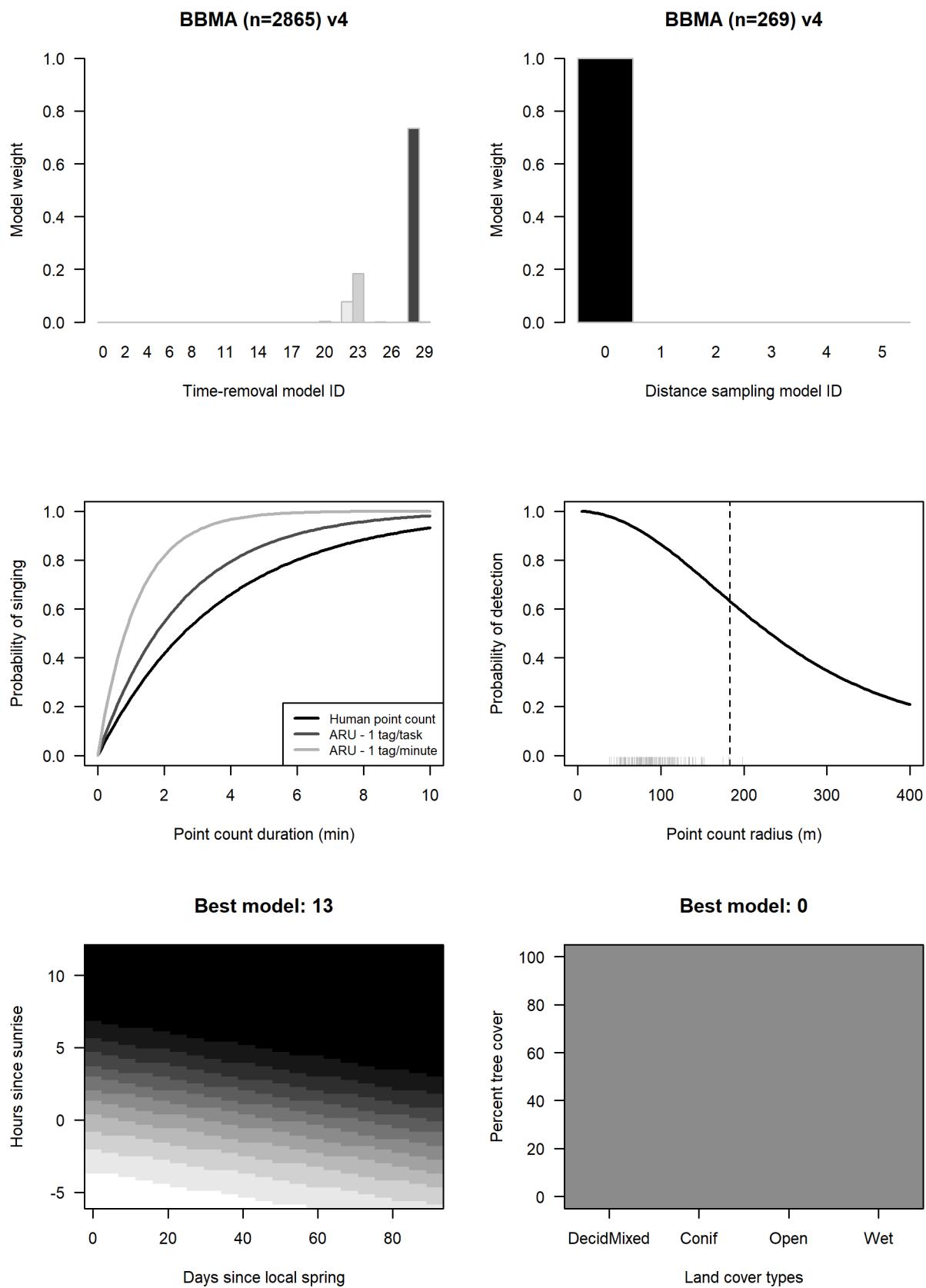


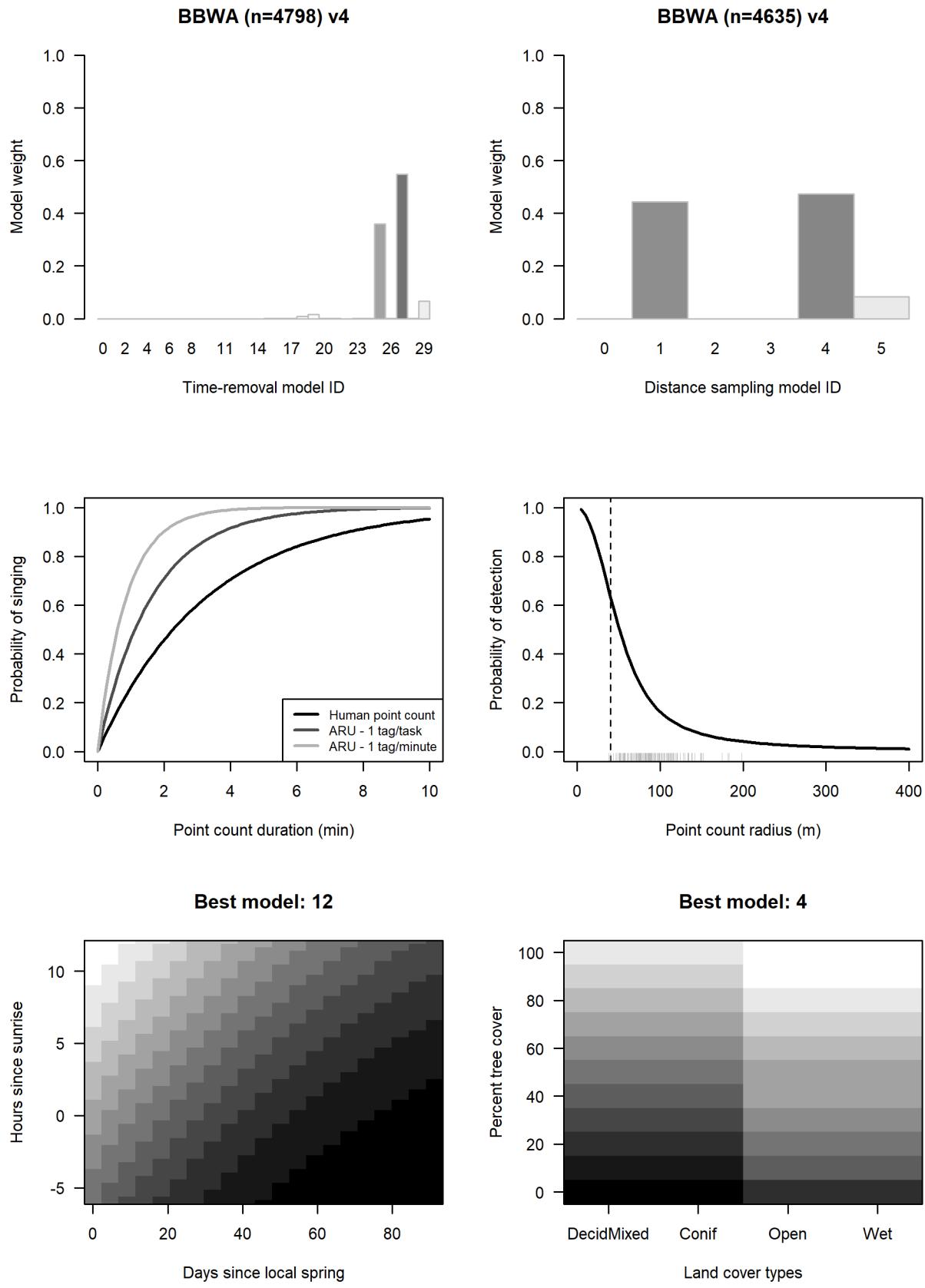


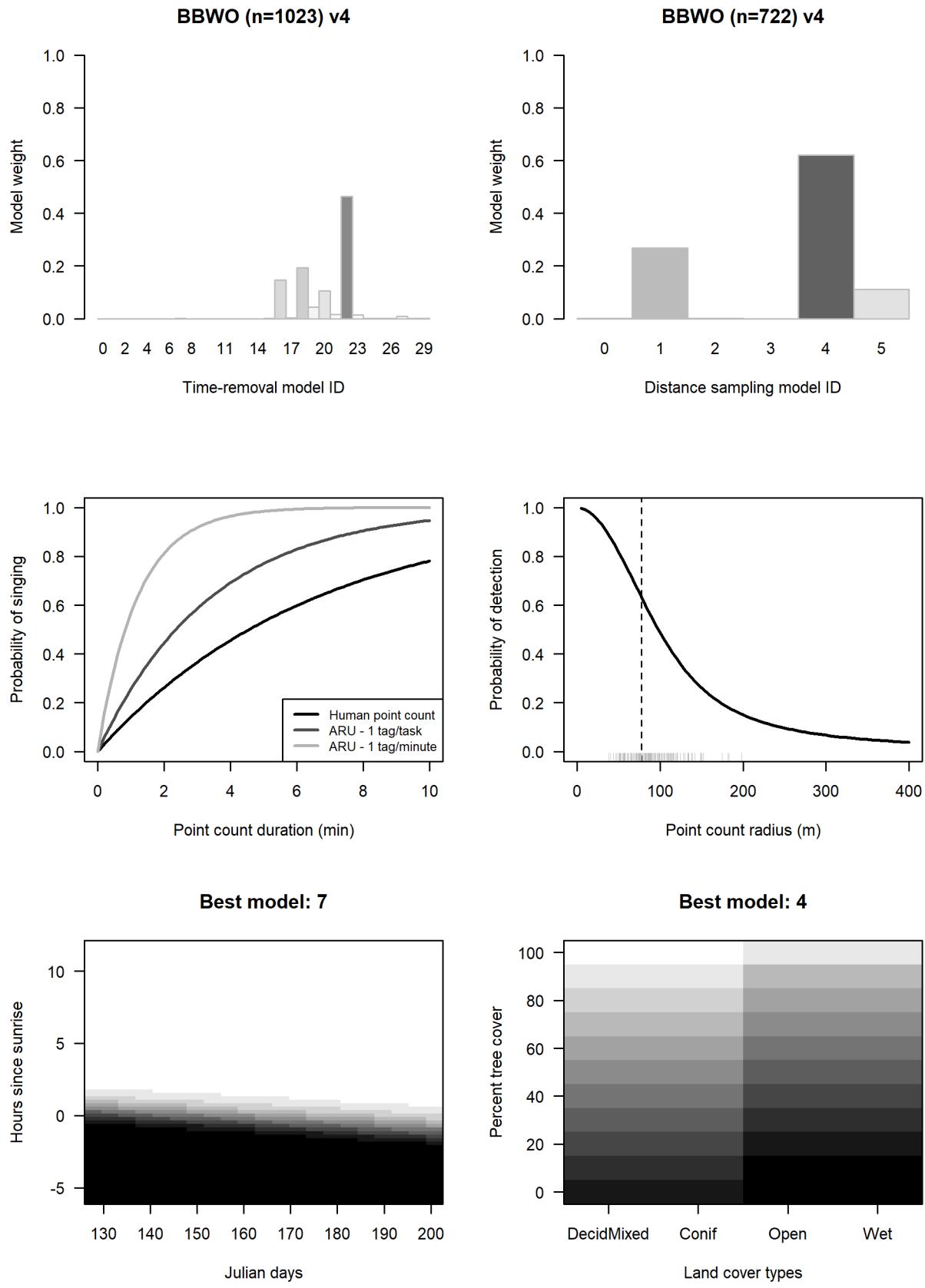


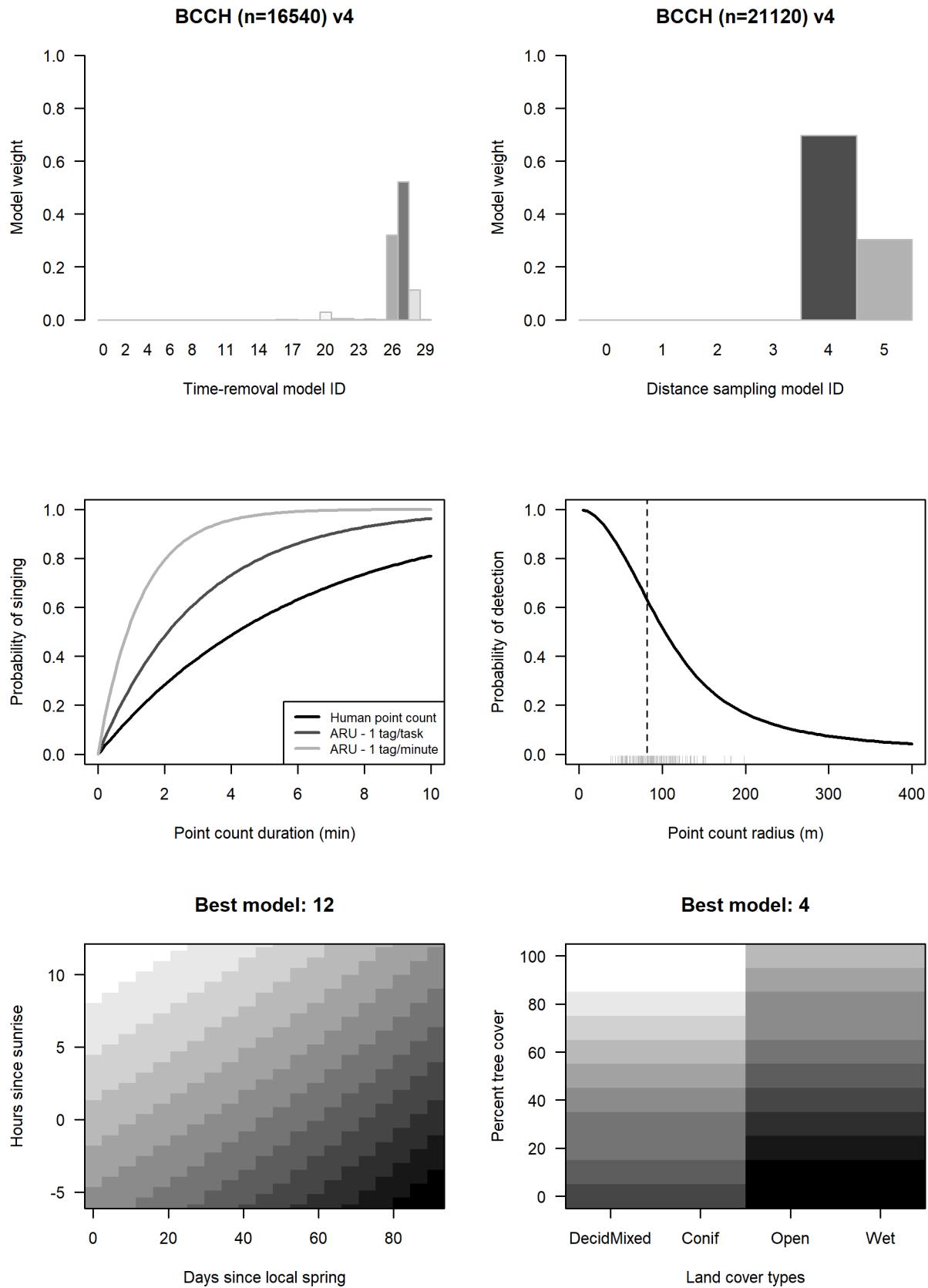


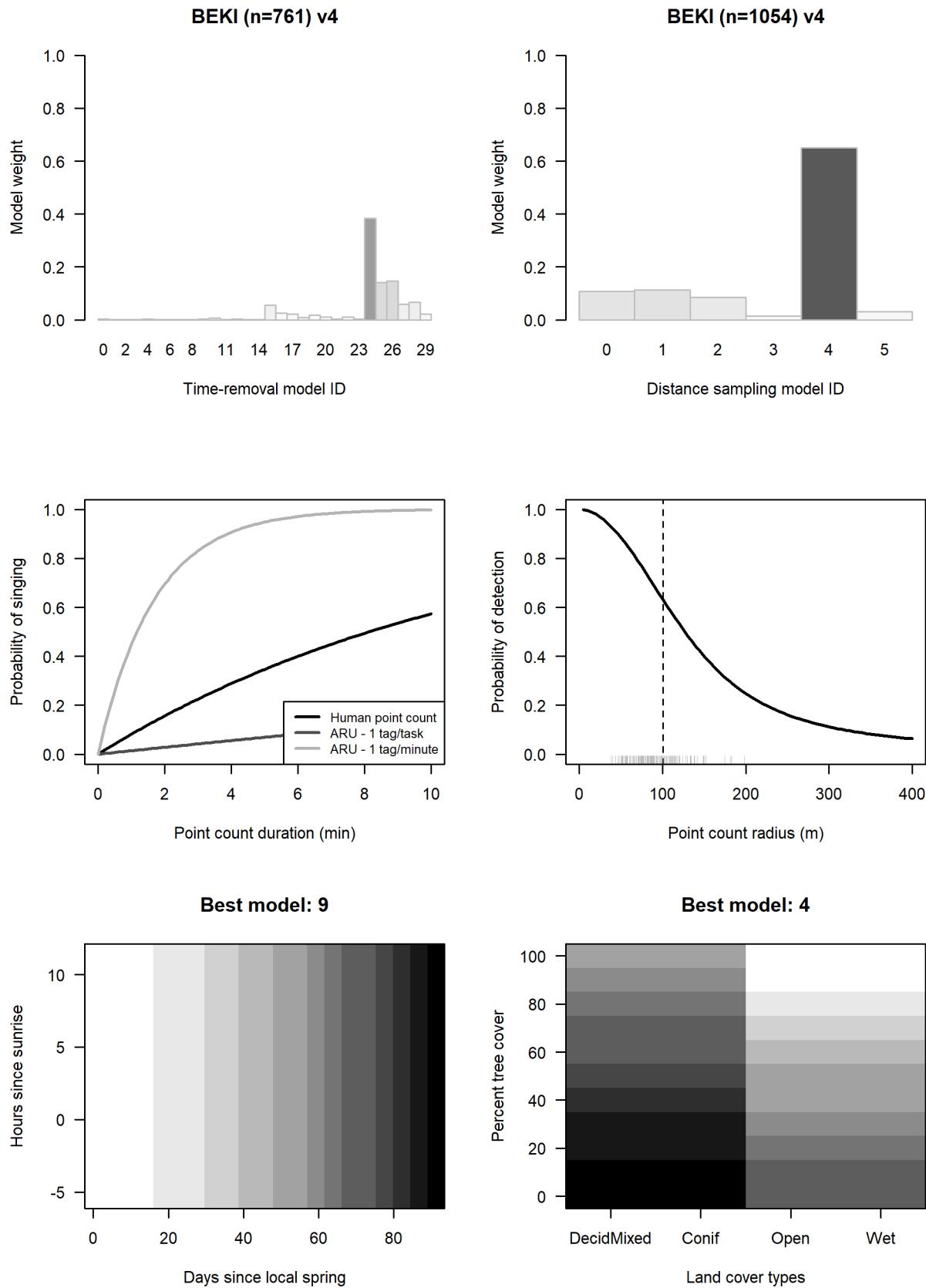


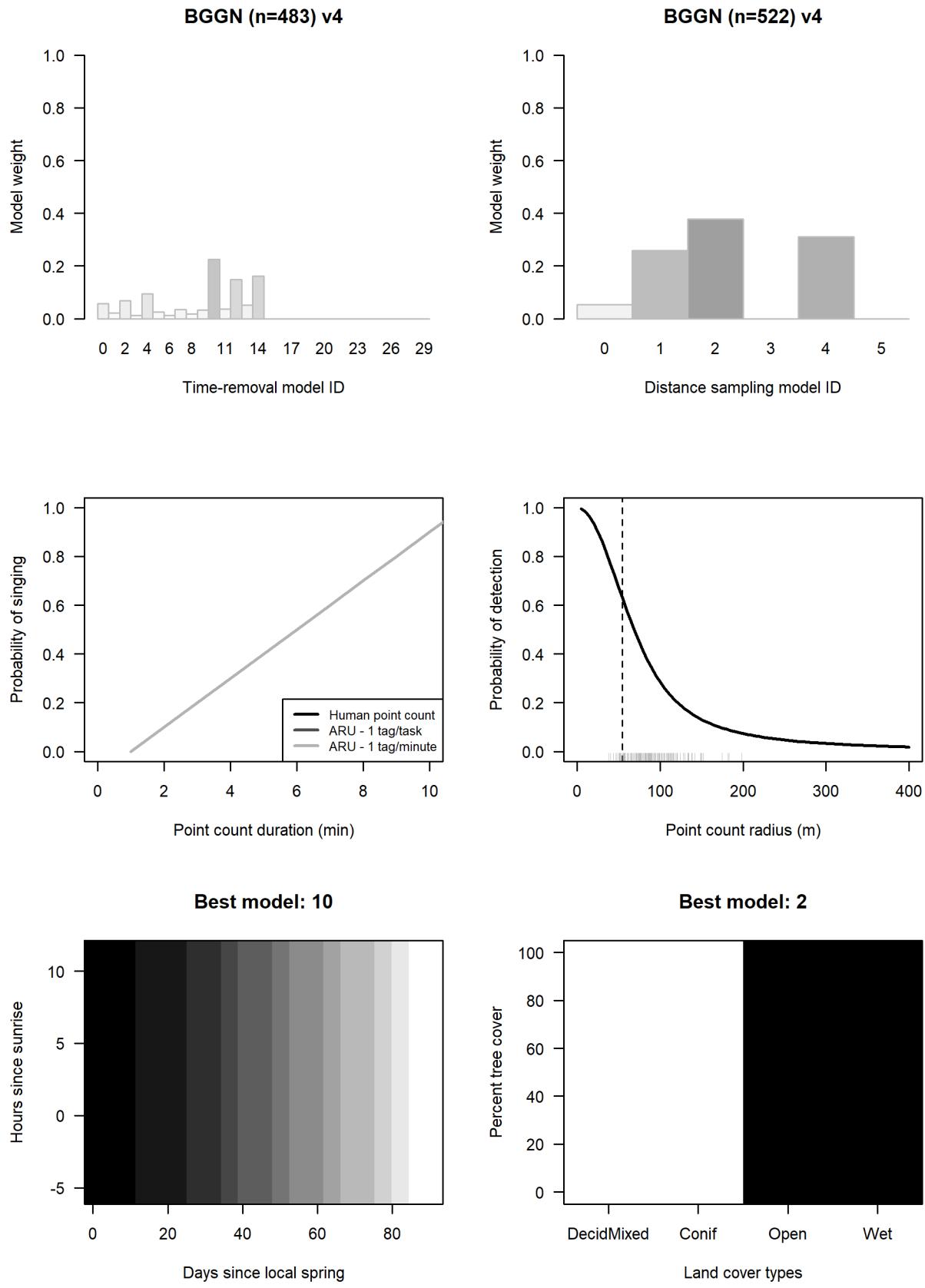


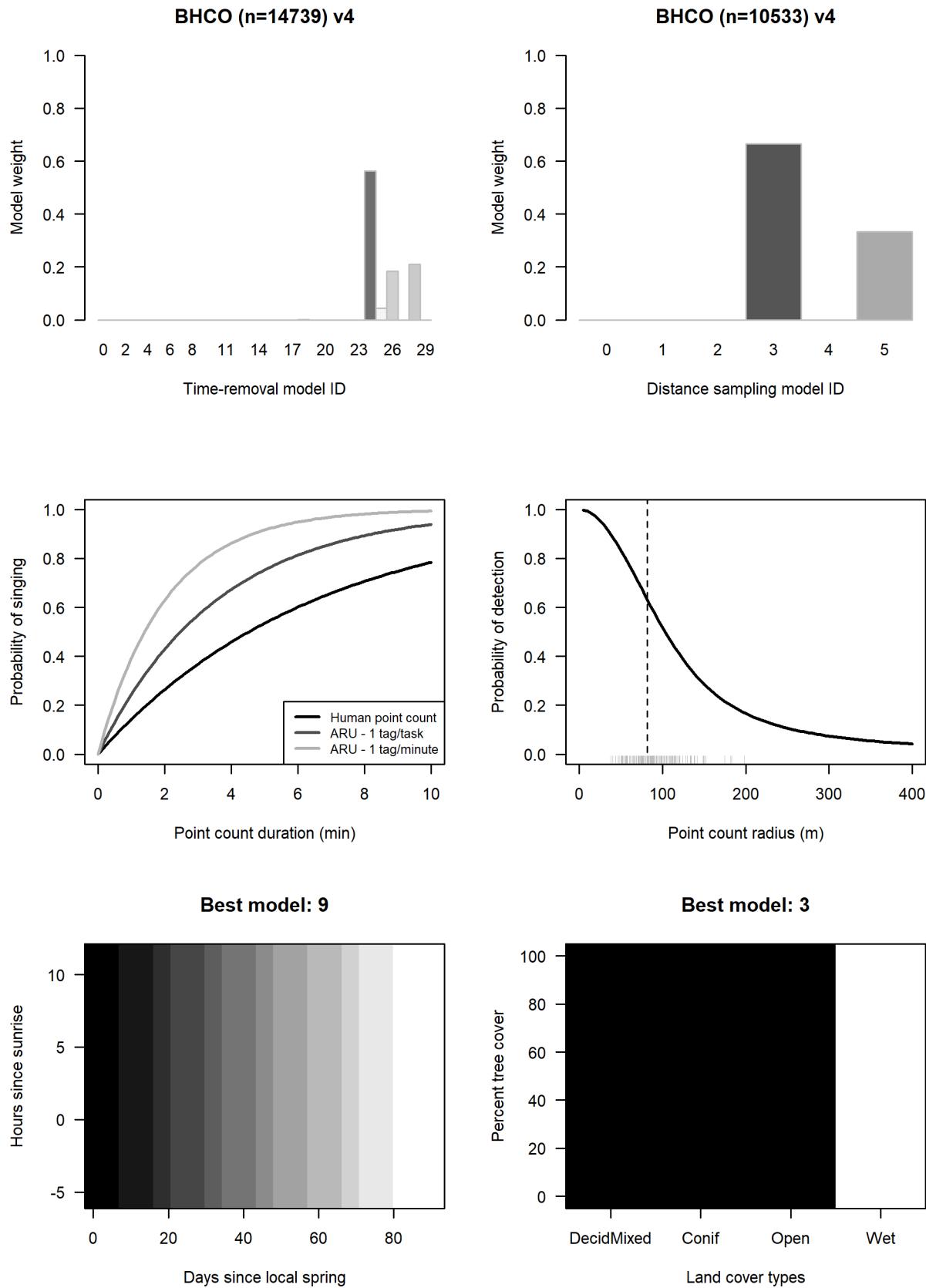


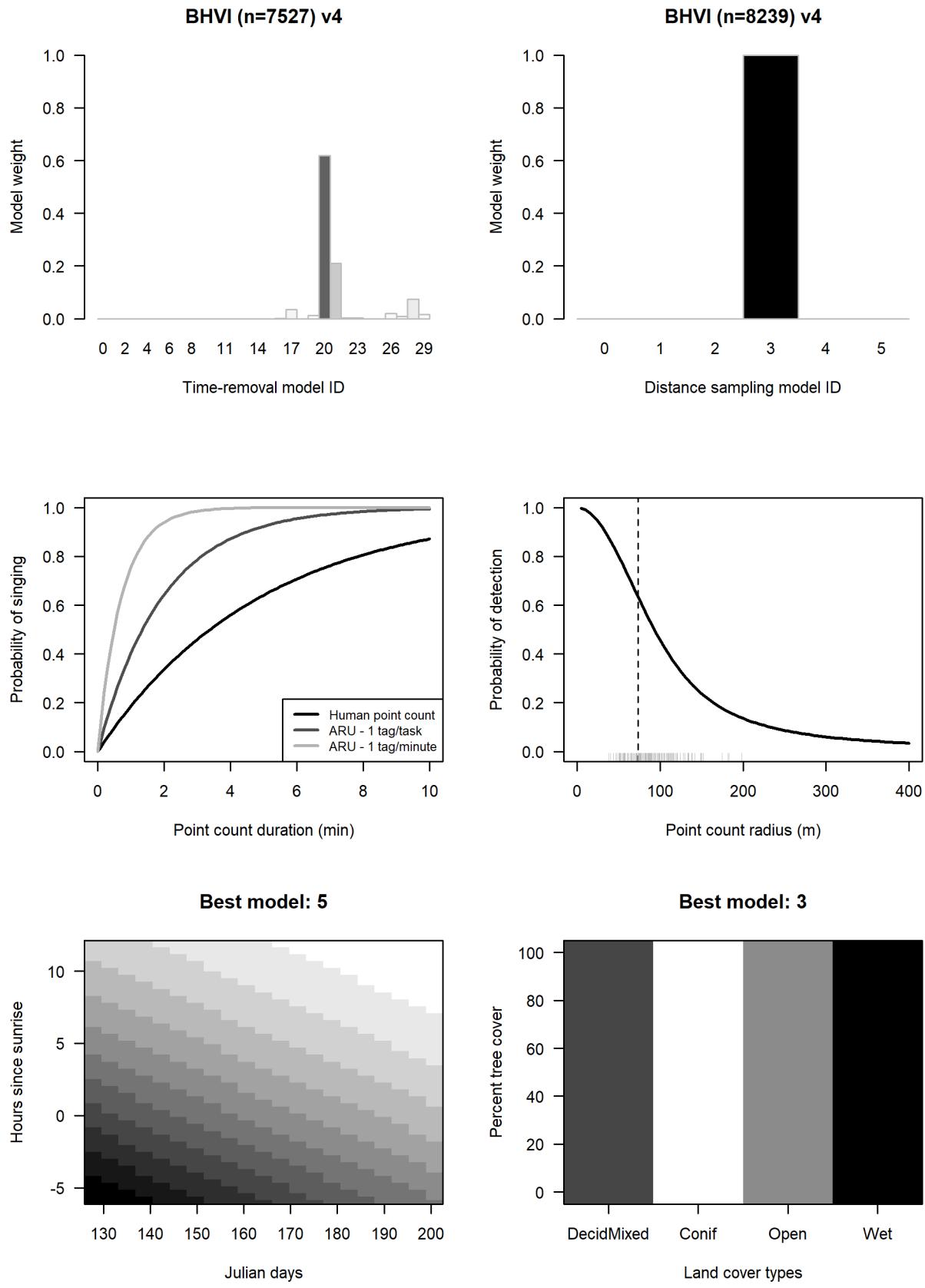


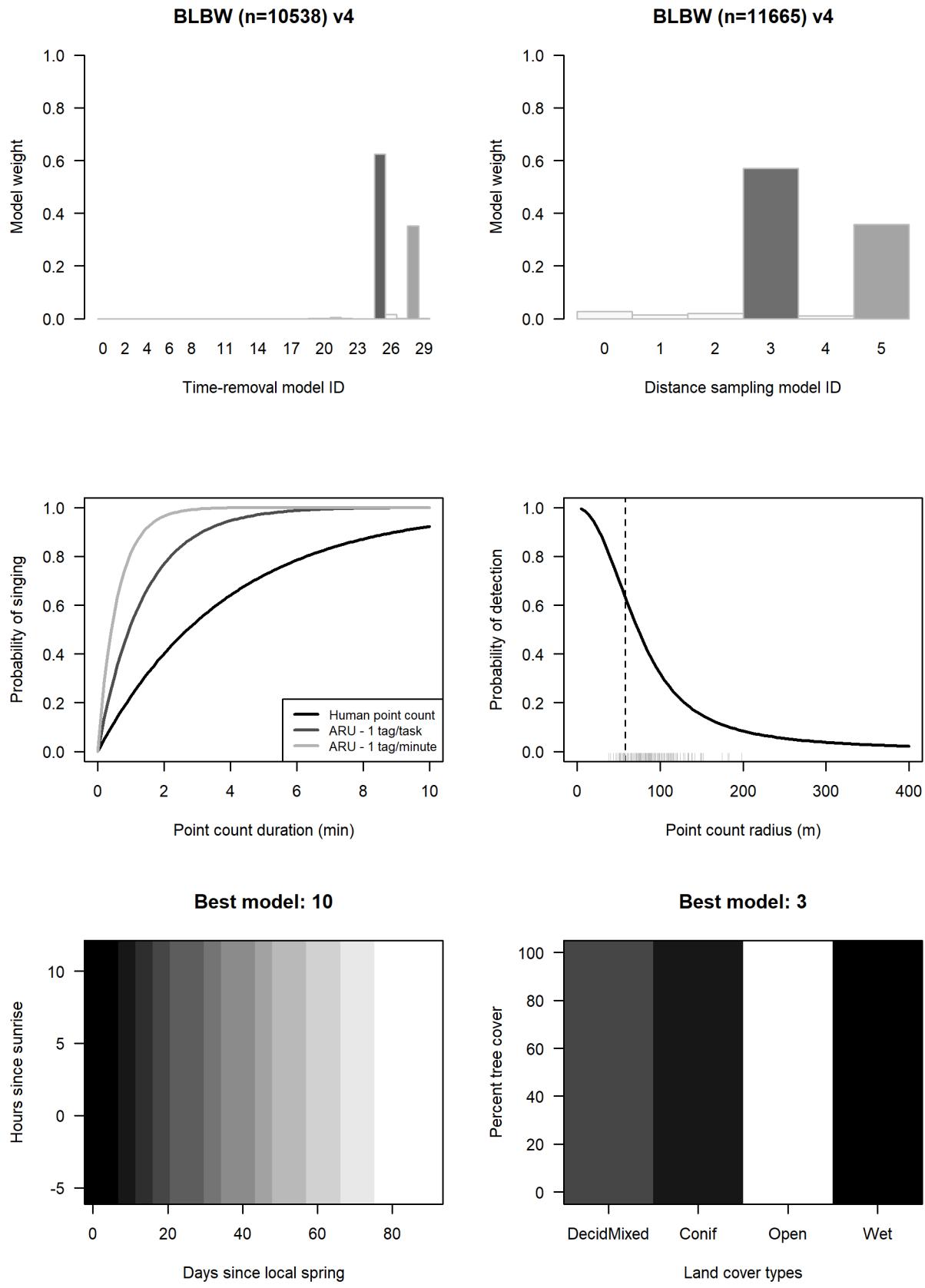




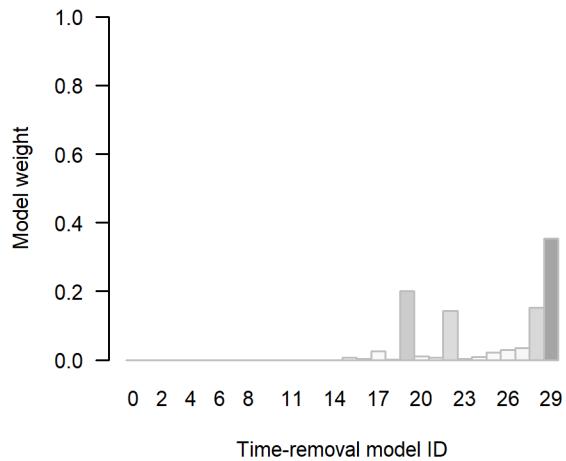




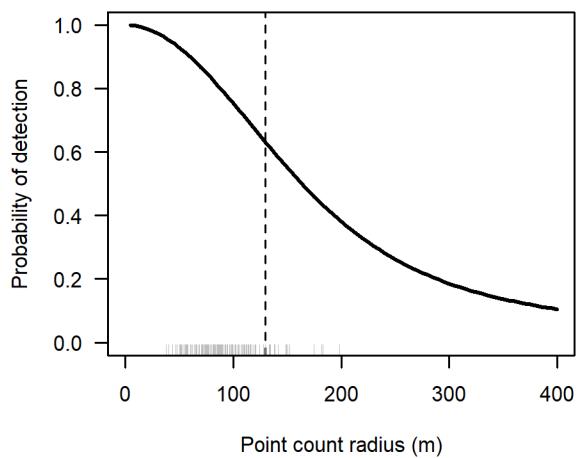
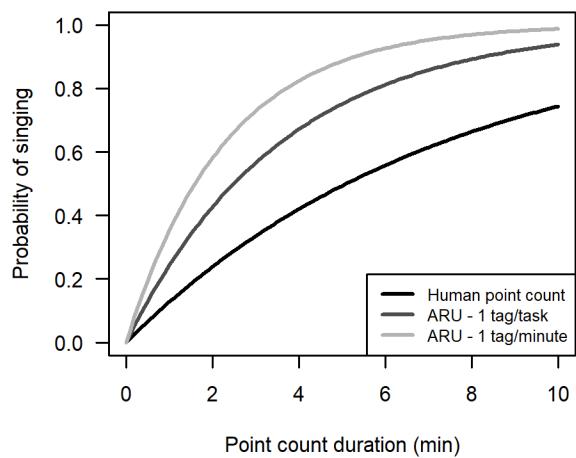
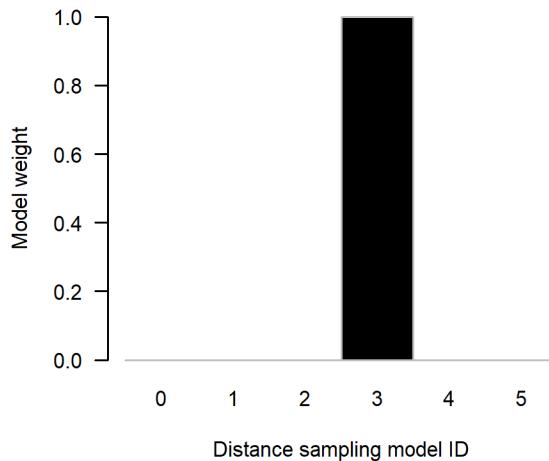




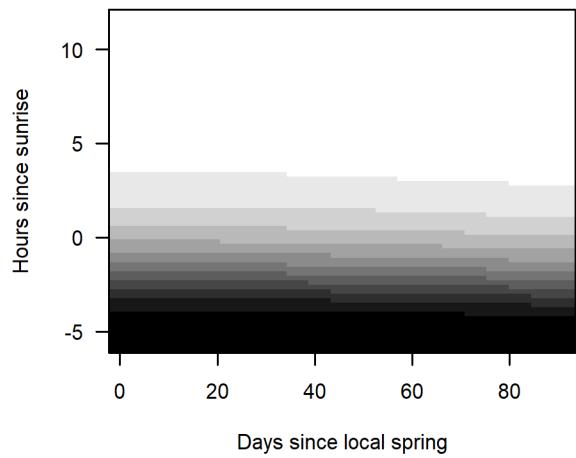
BLJA (n=22348) v4



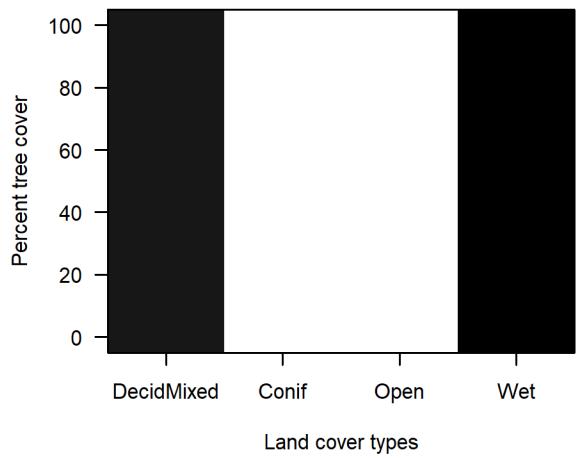
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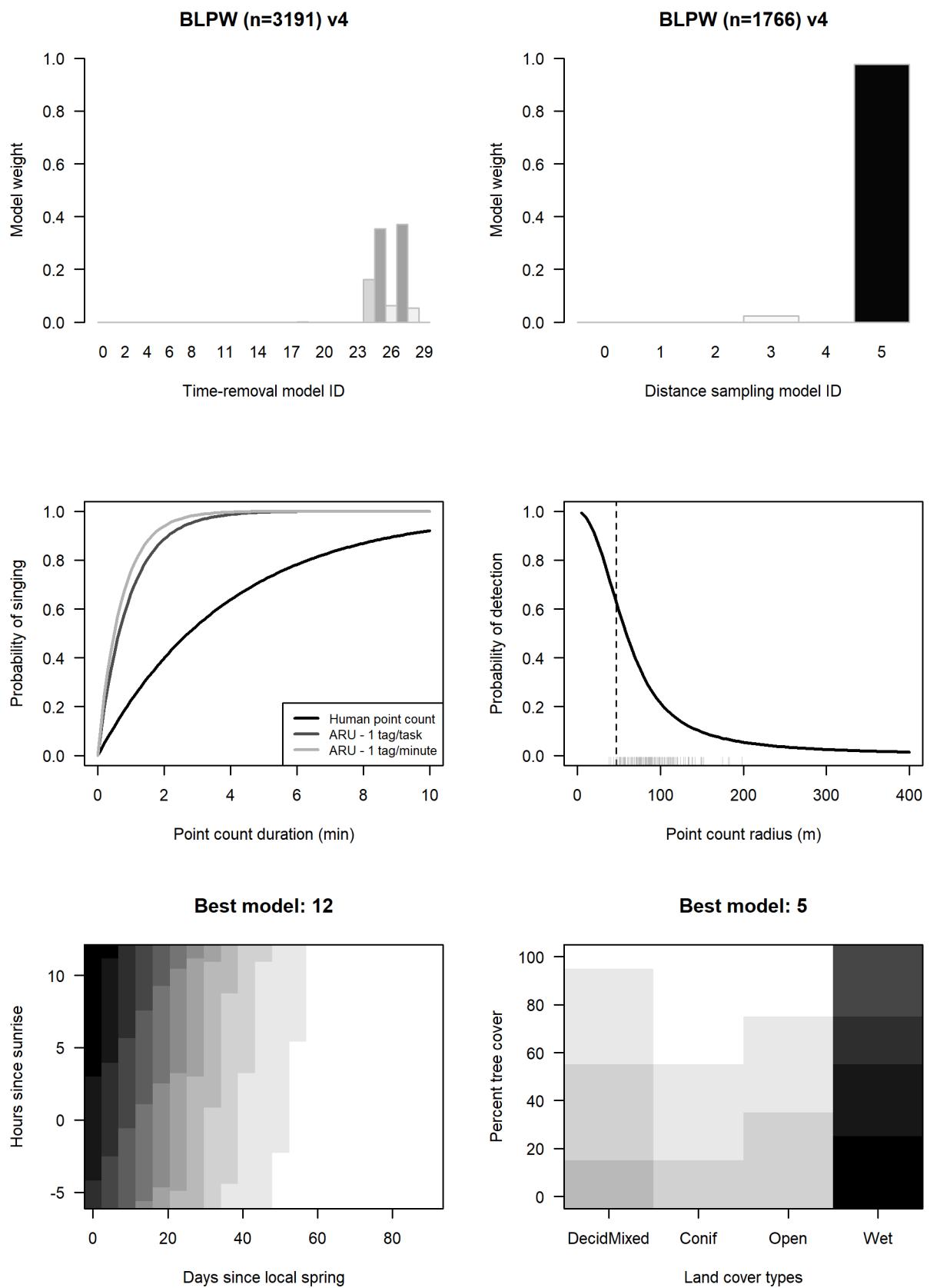


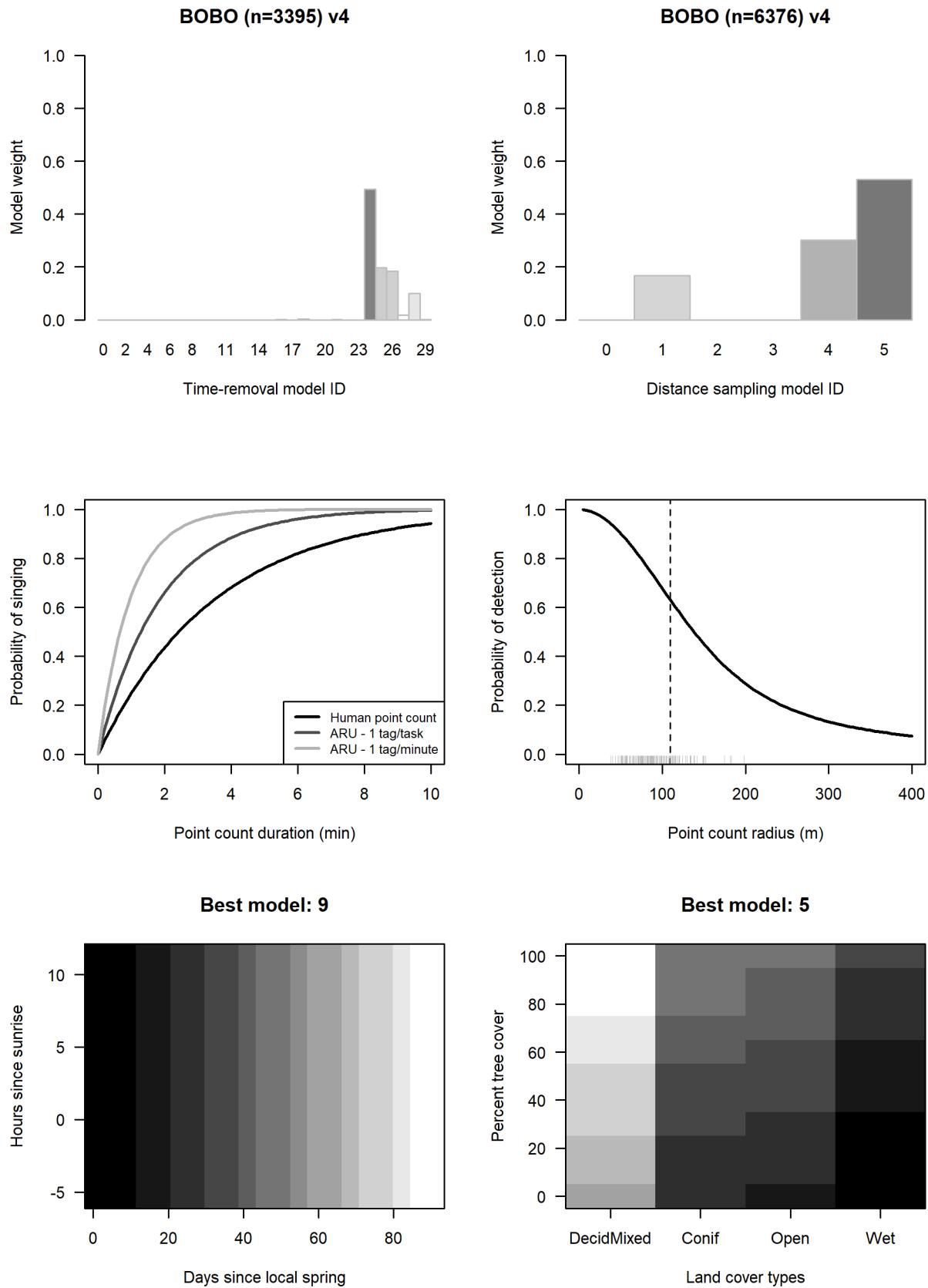
Best model: 14

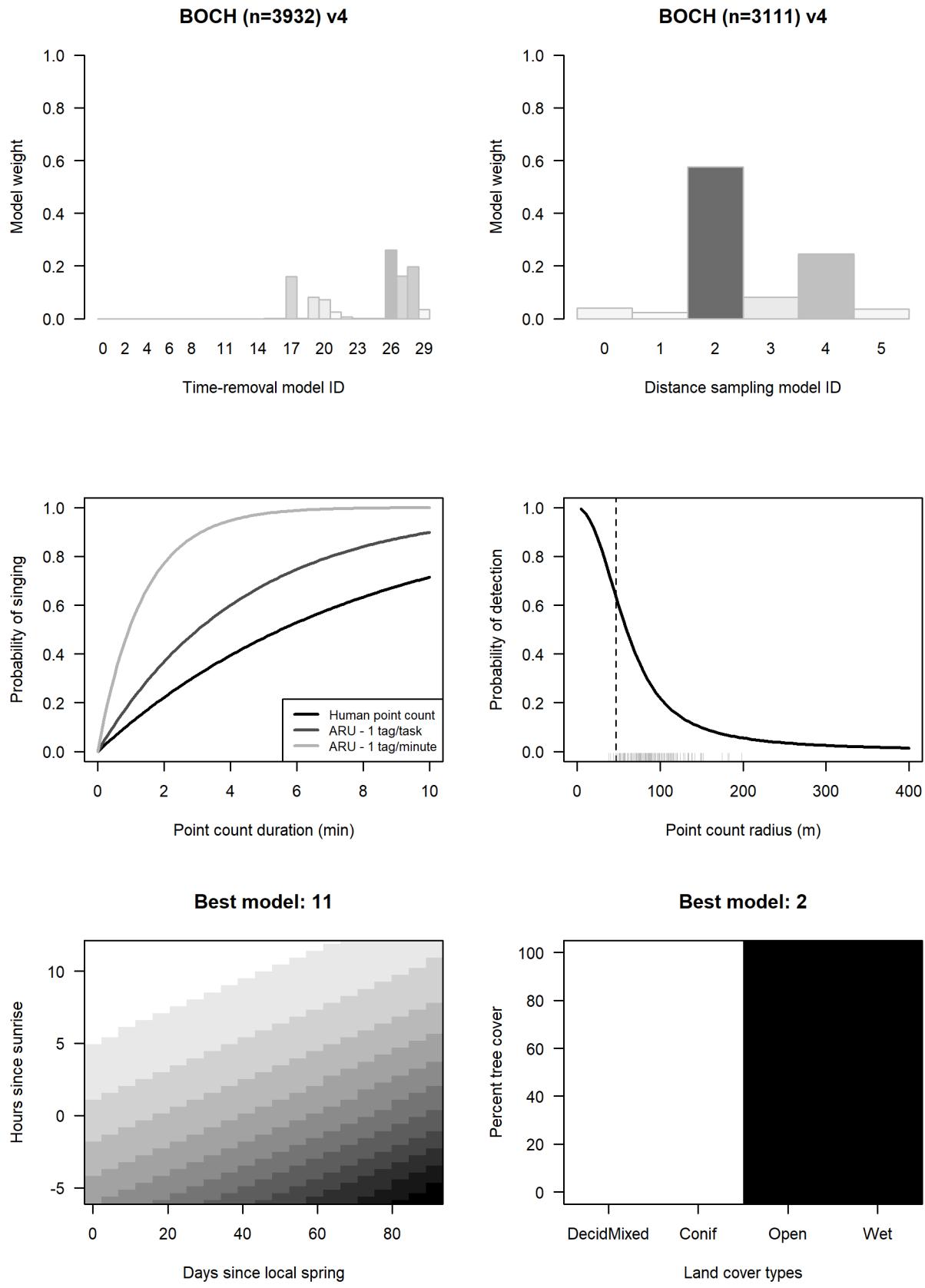


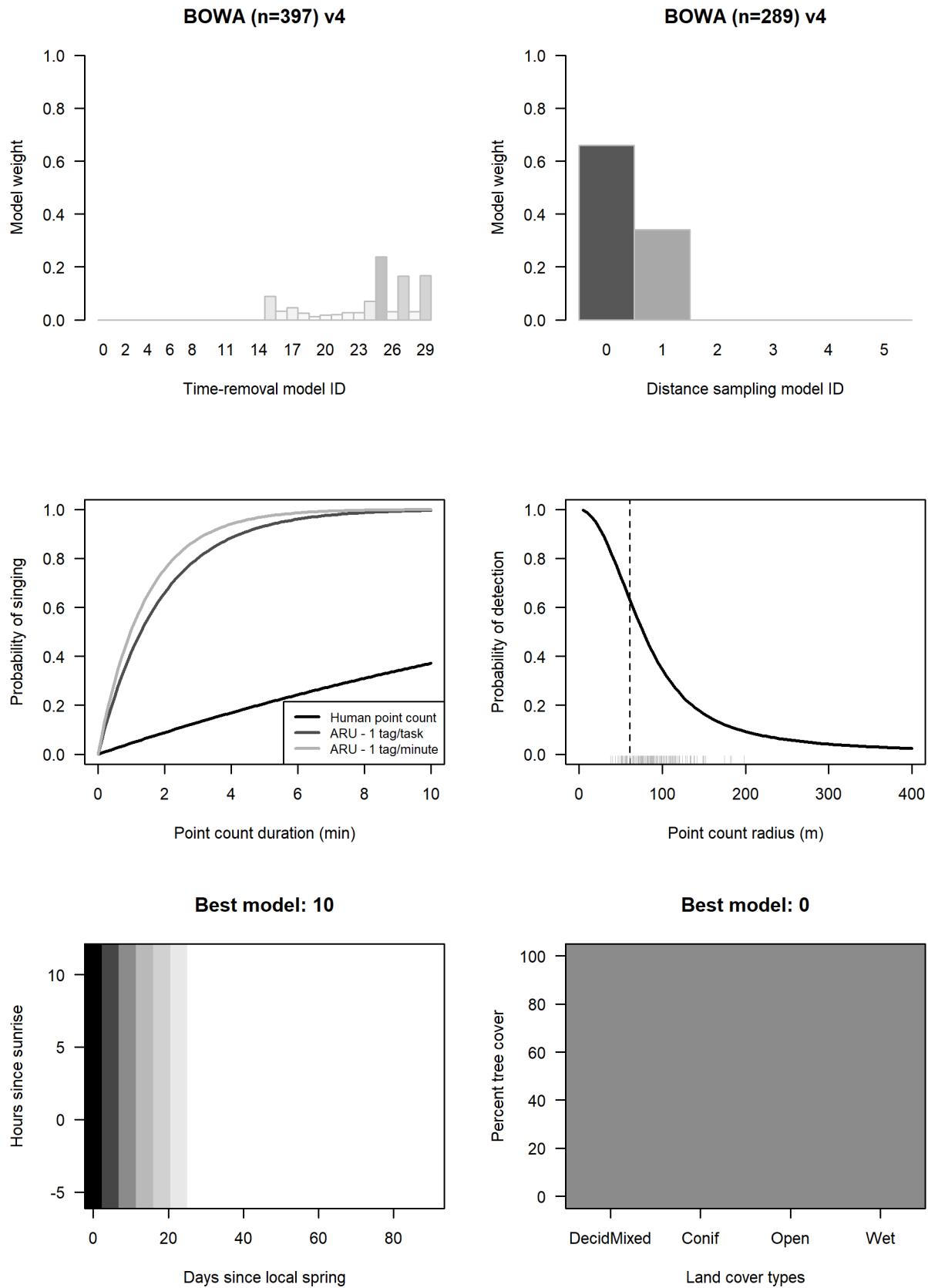
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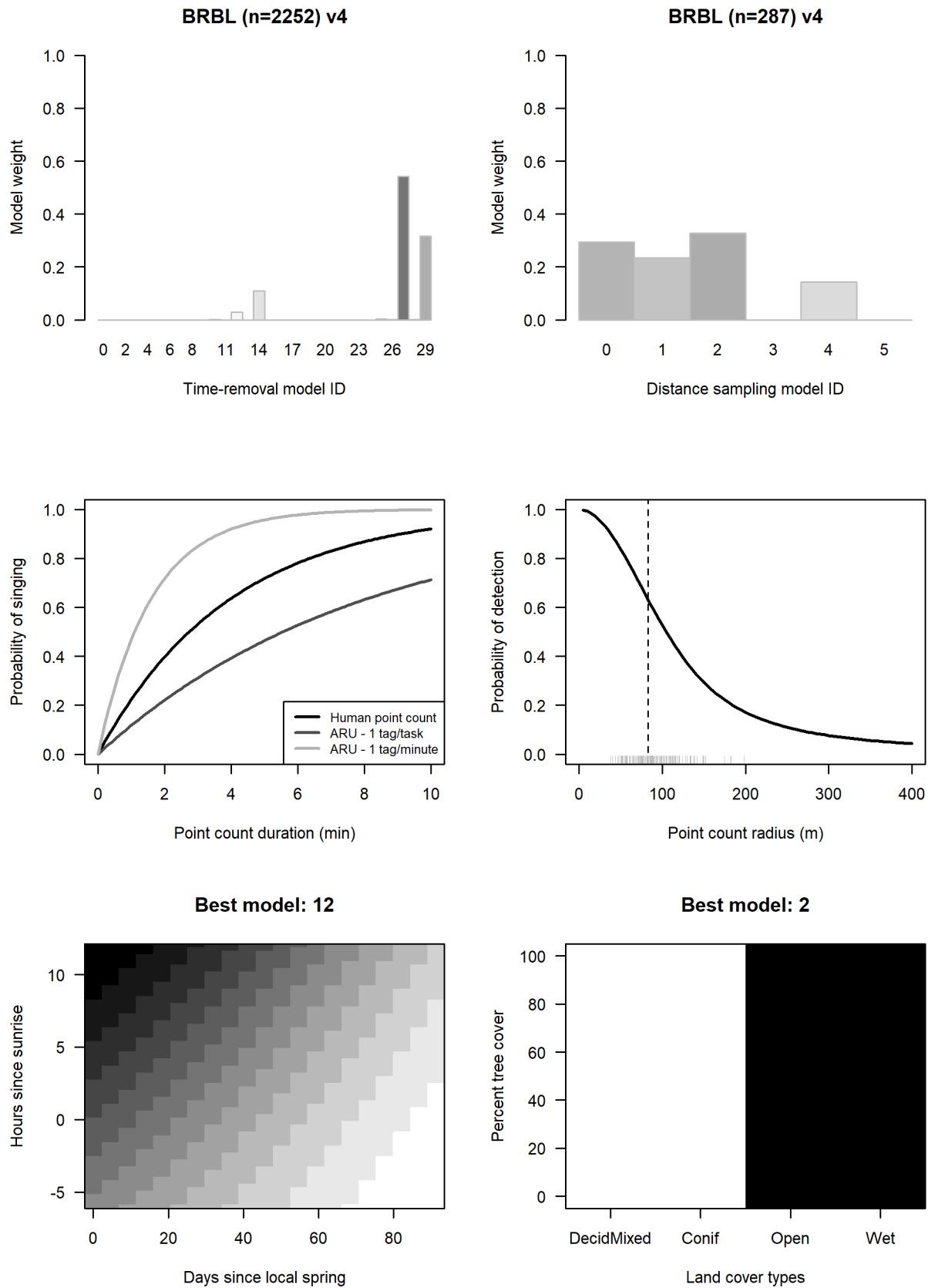


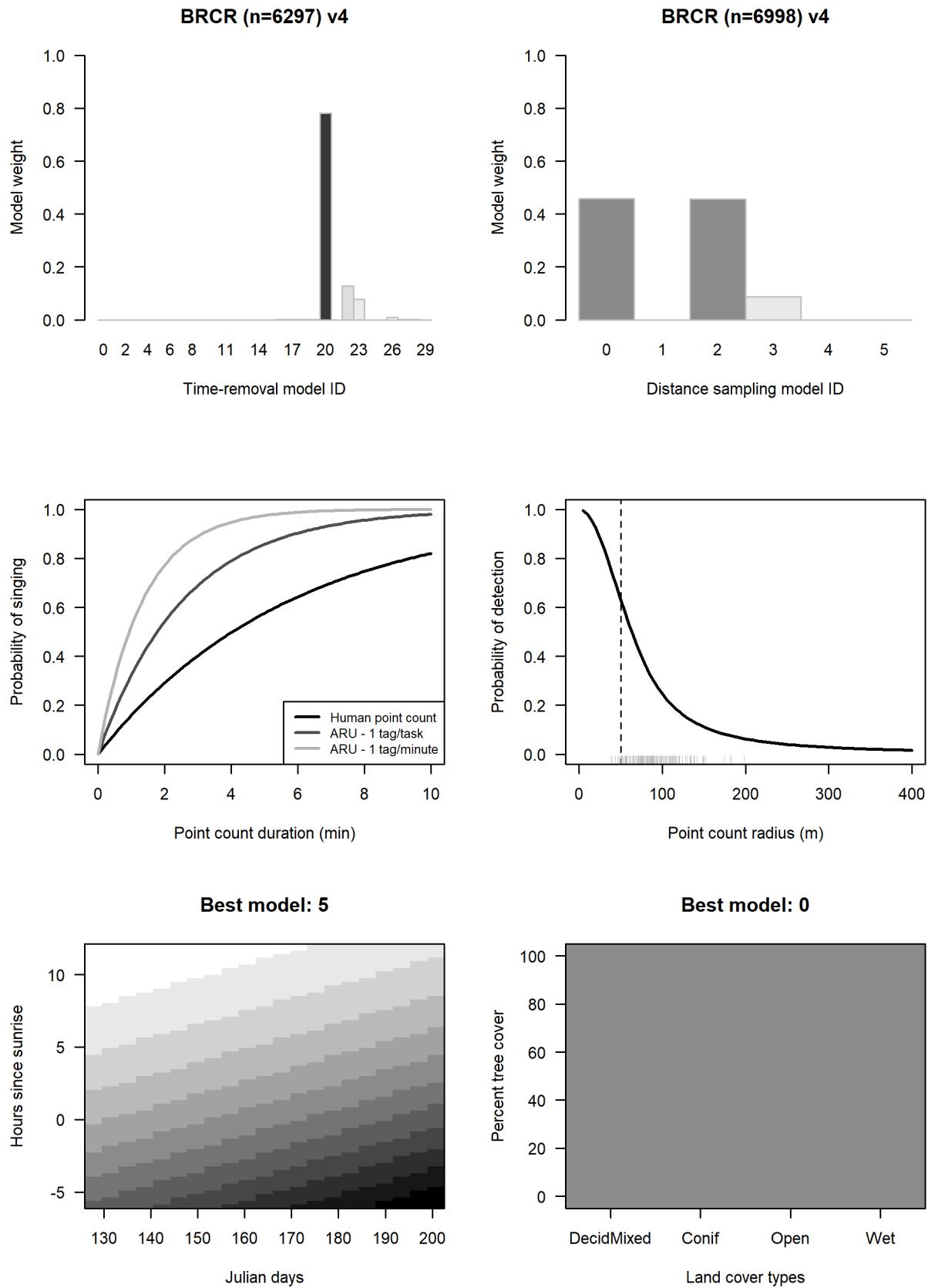


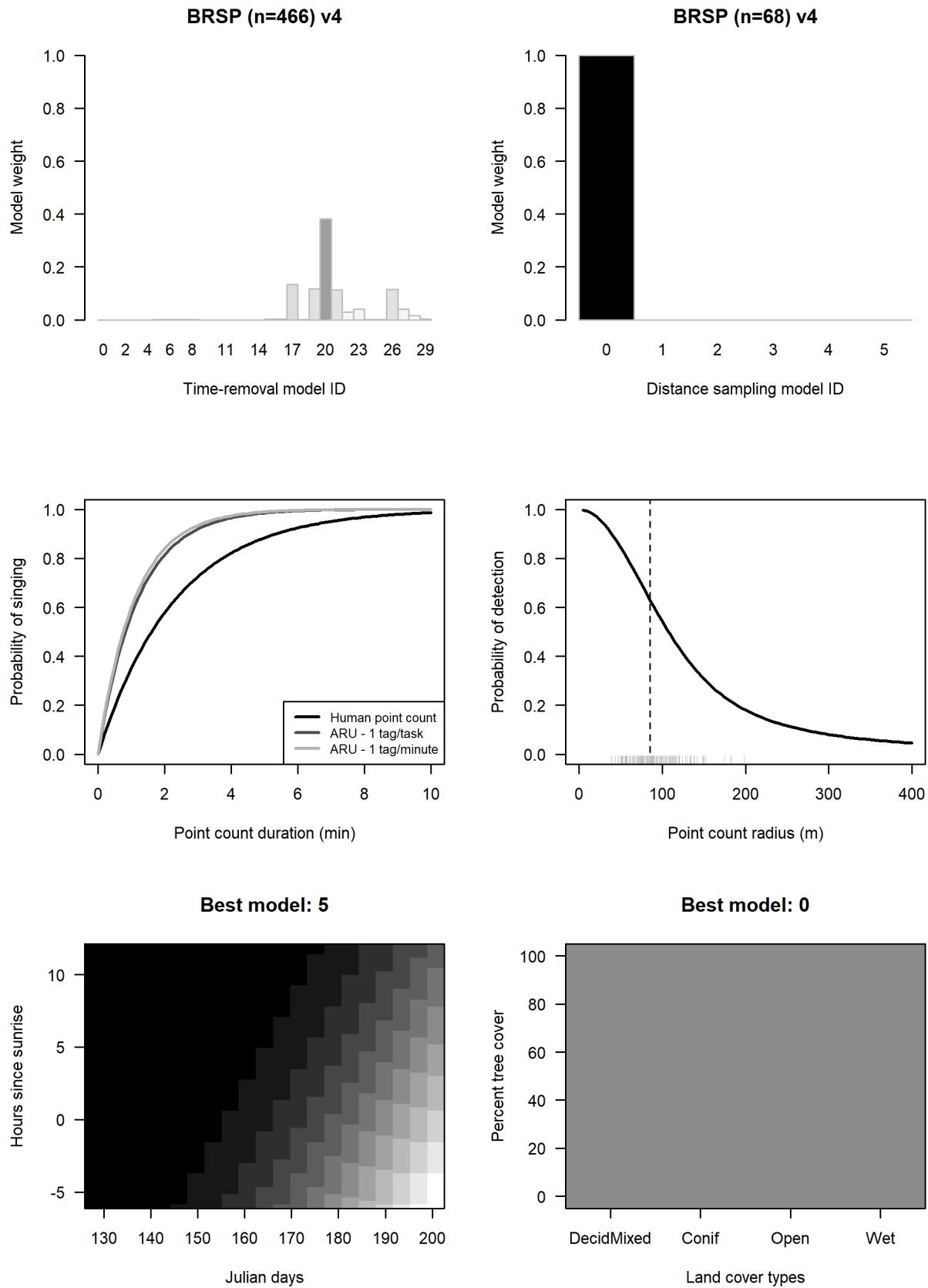


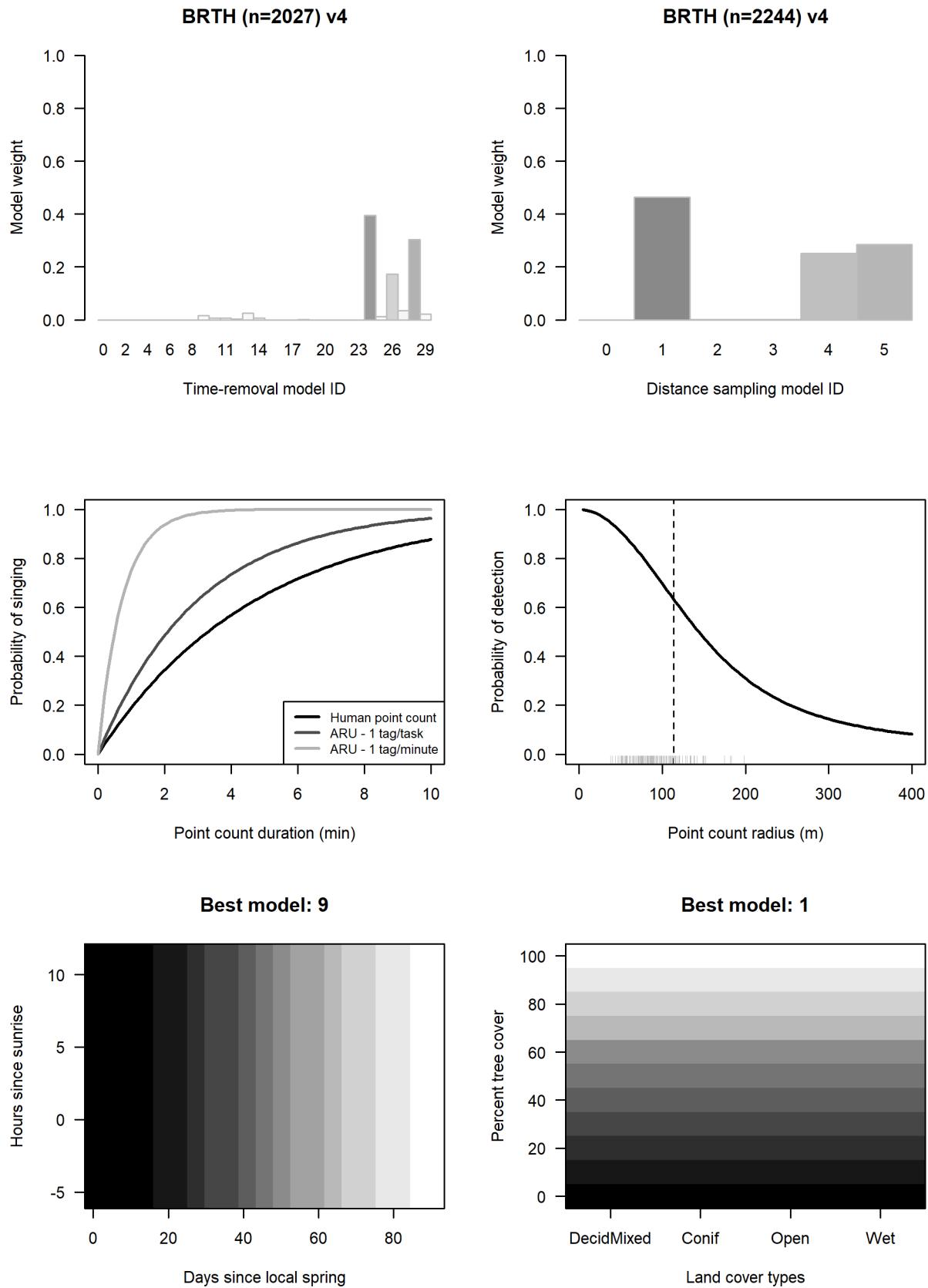


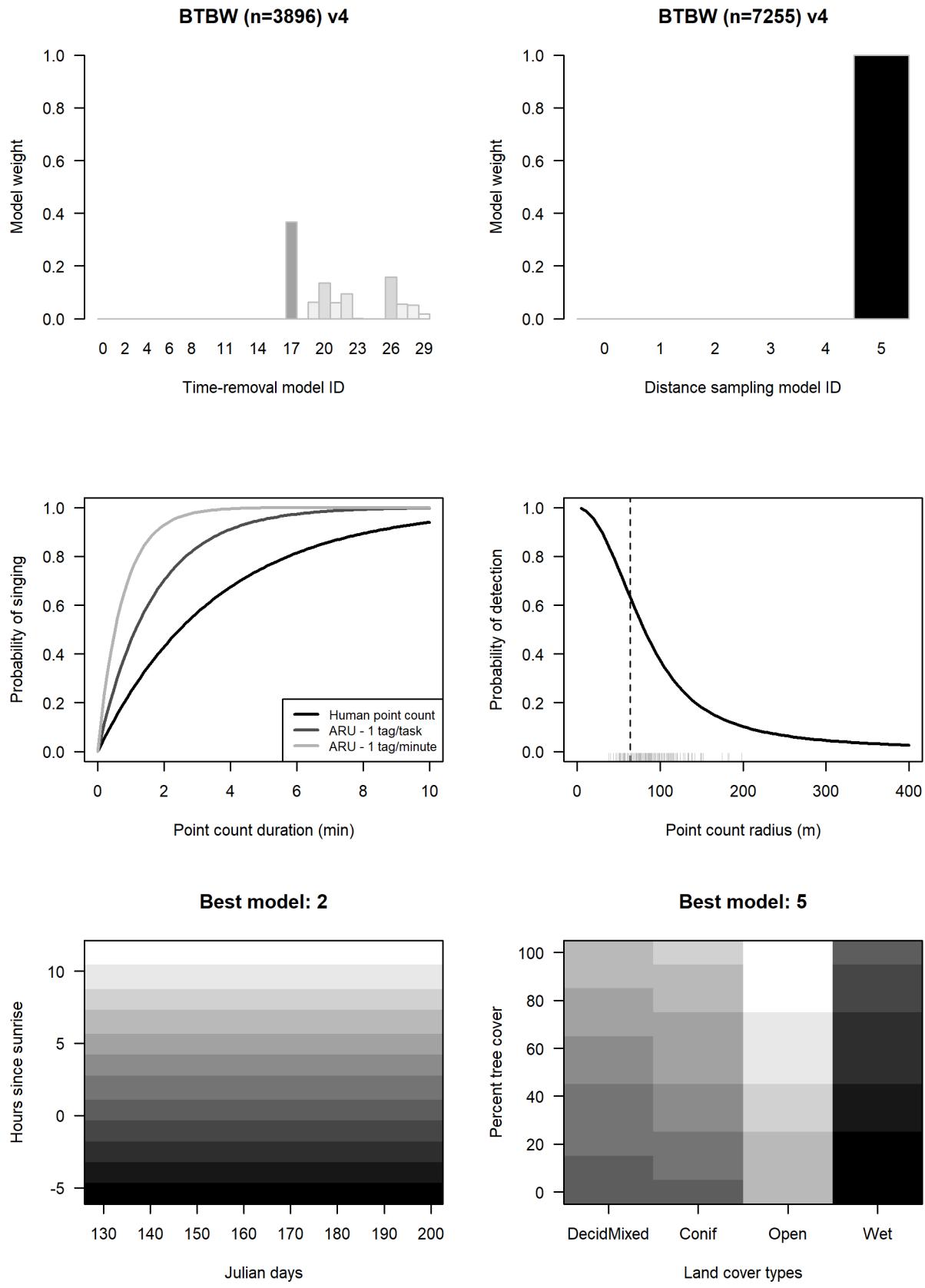


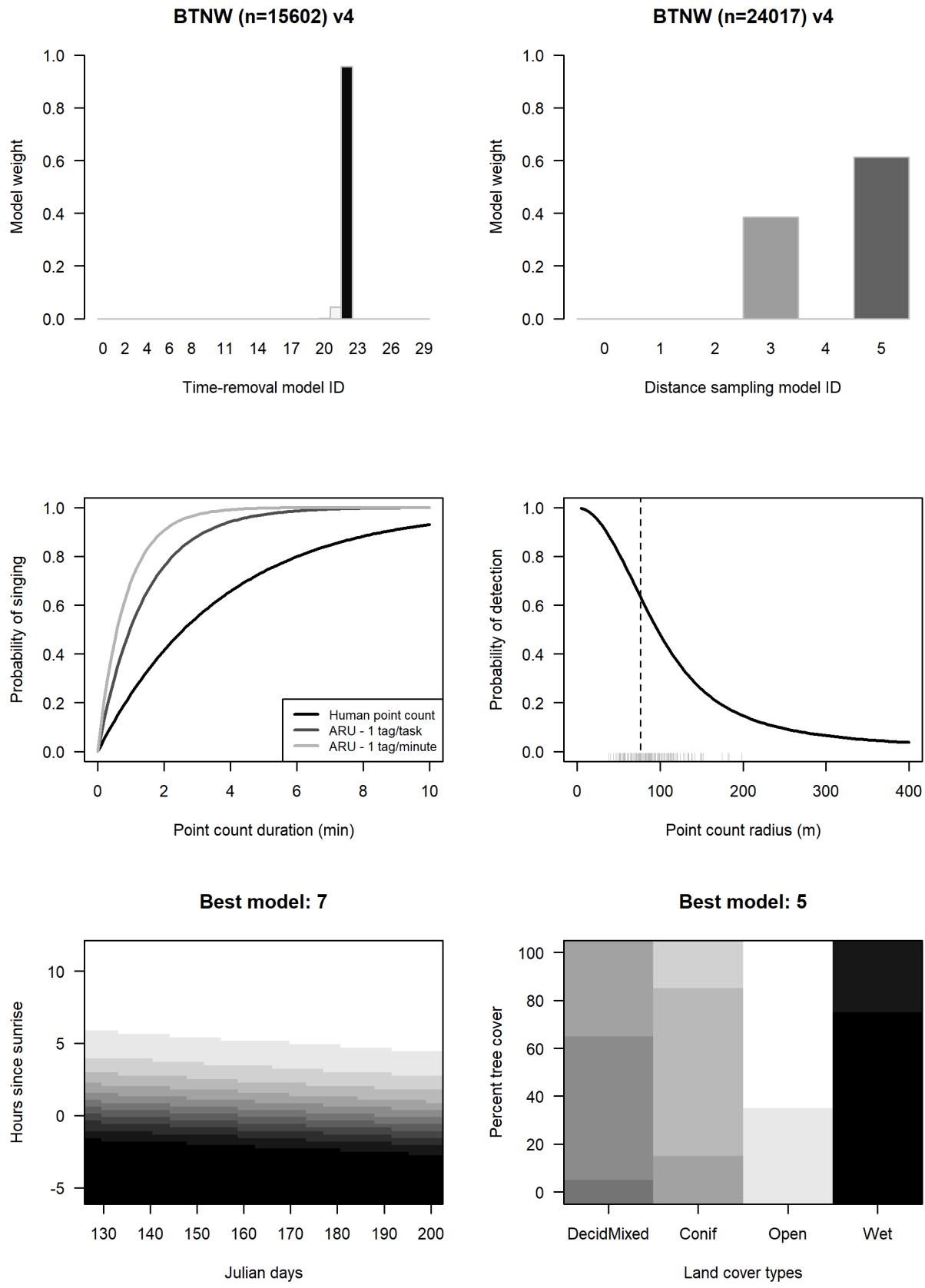


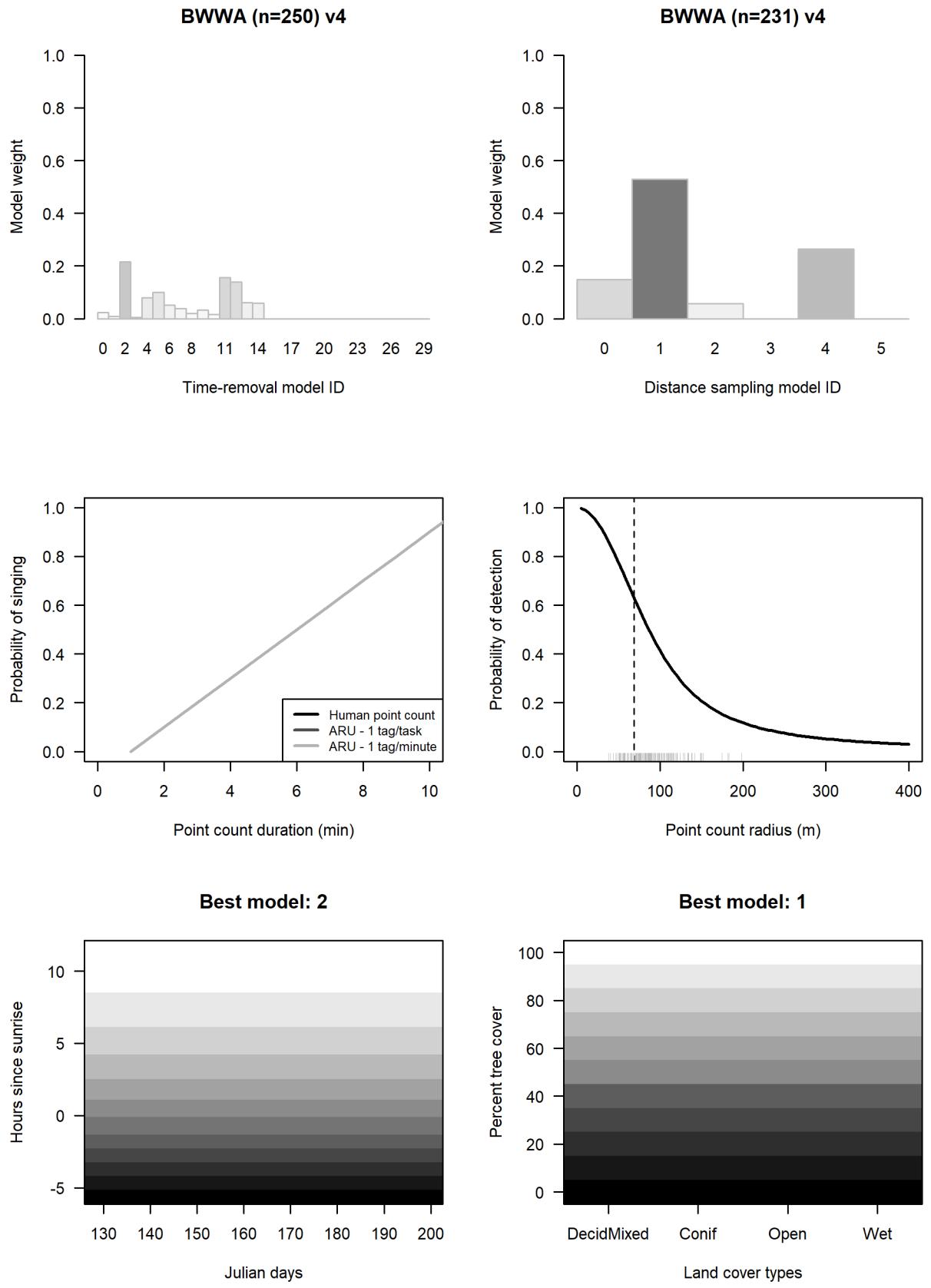




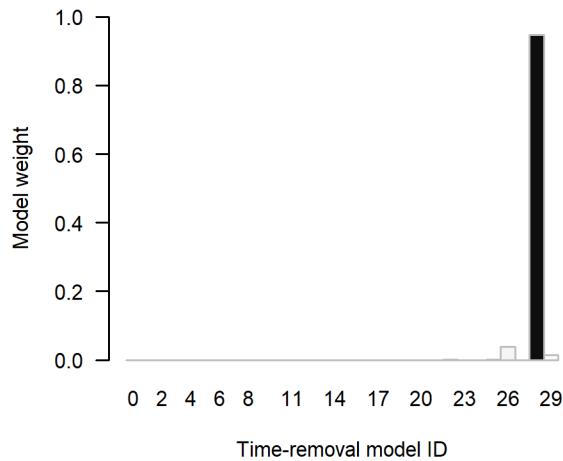




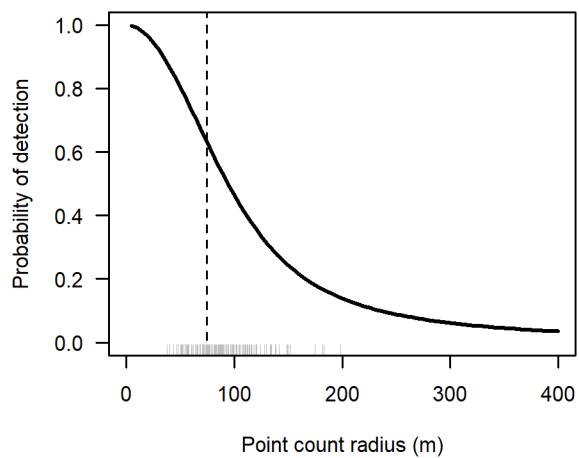
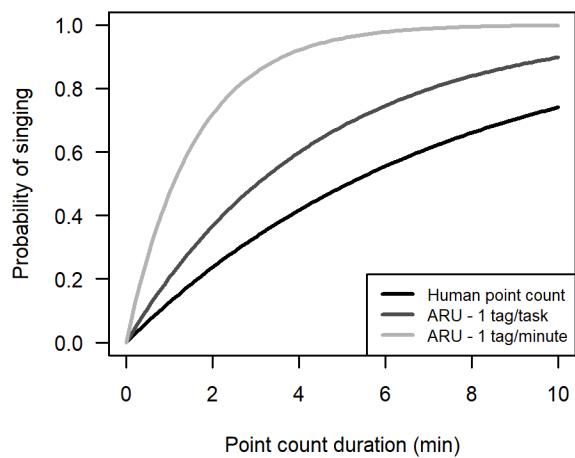
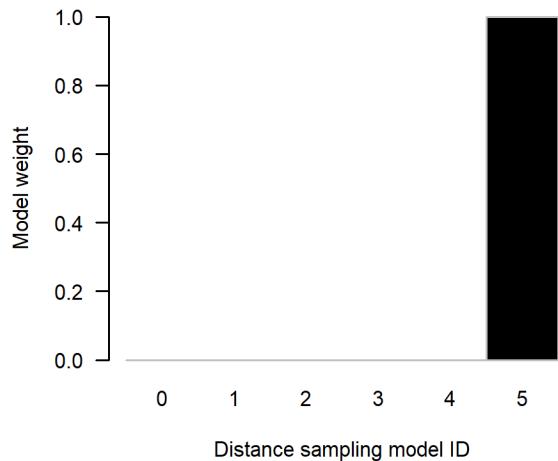




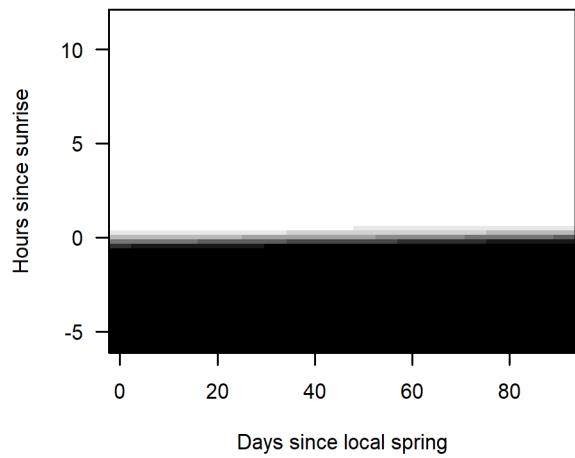
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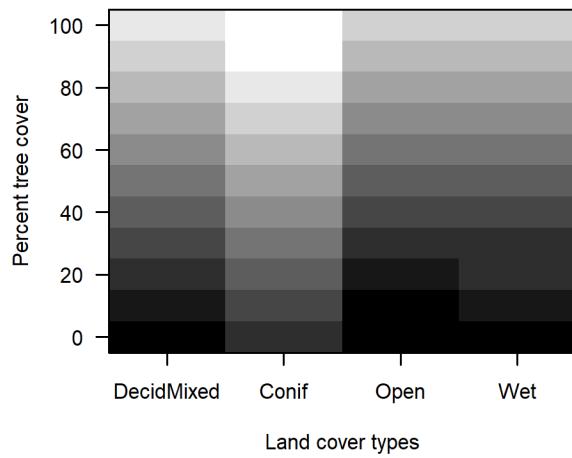
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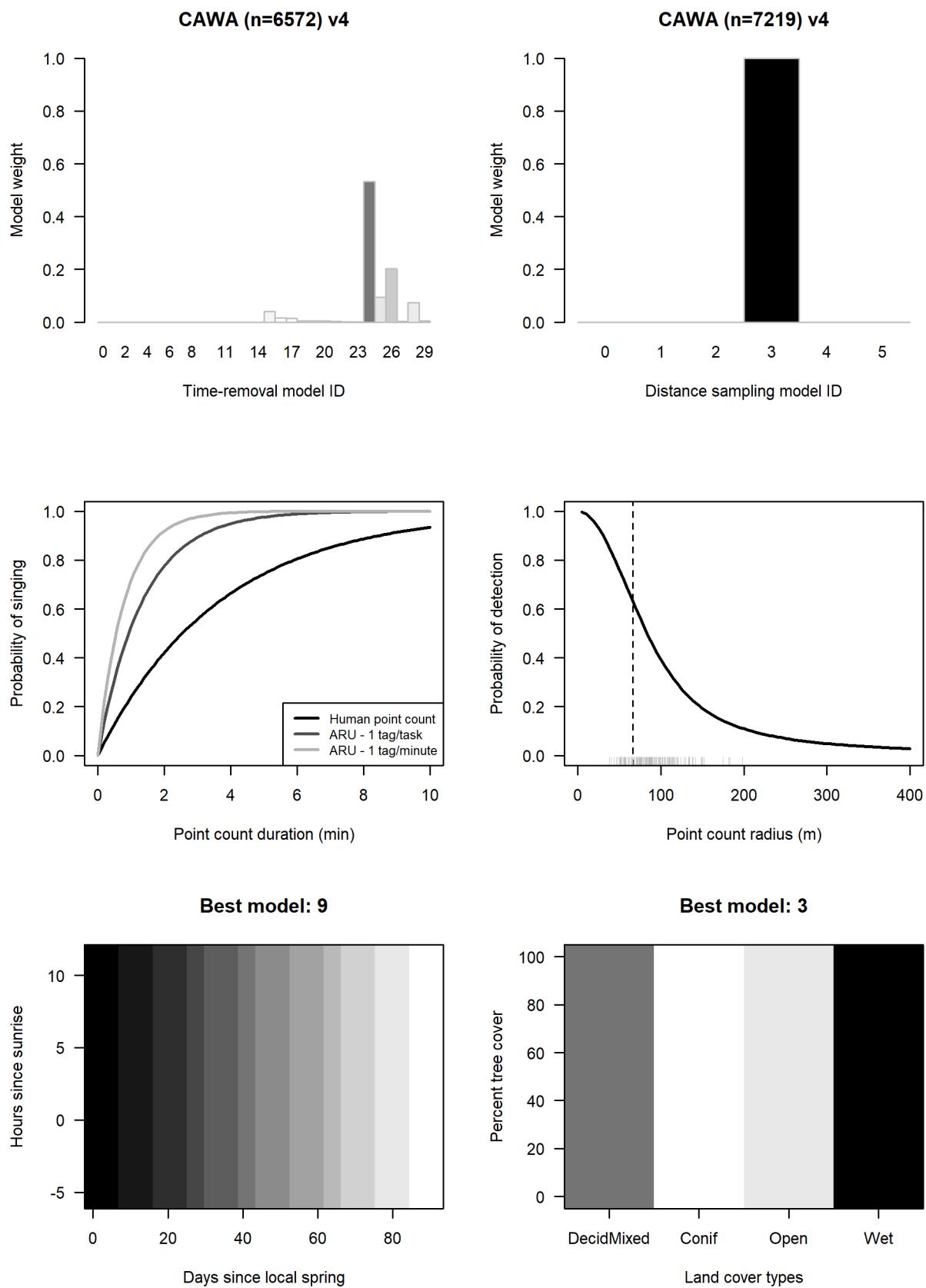


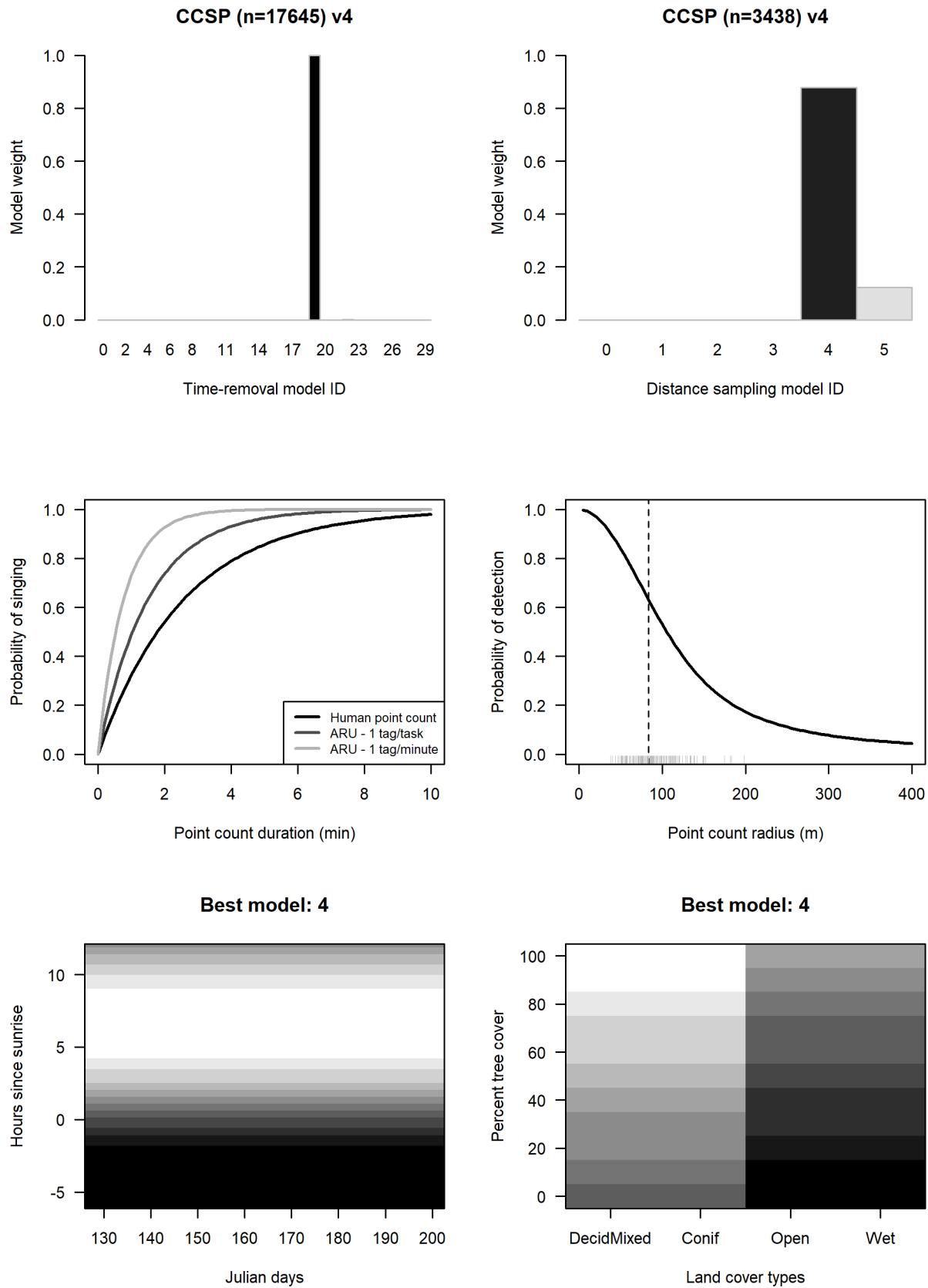
Best model: 13

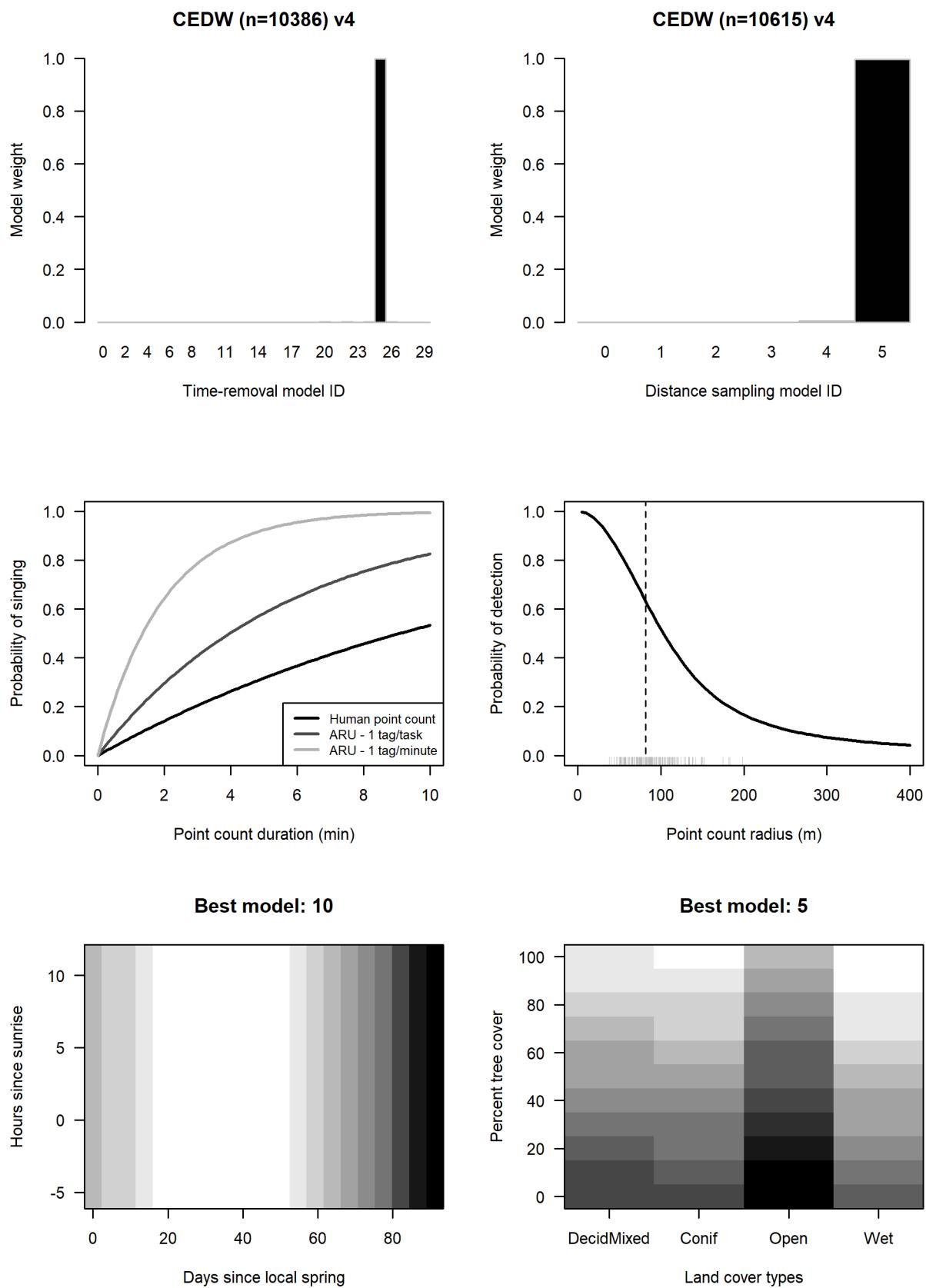


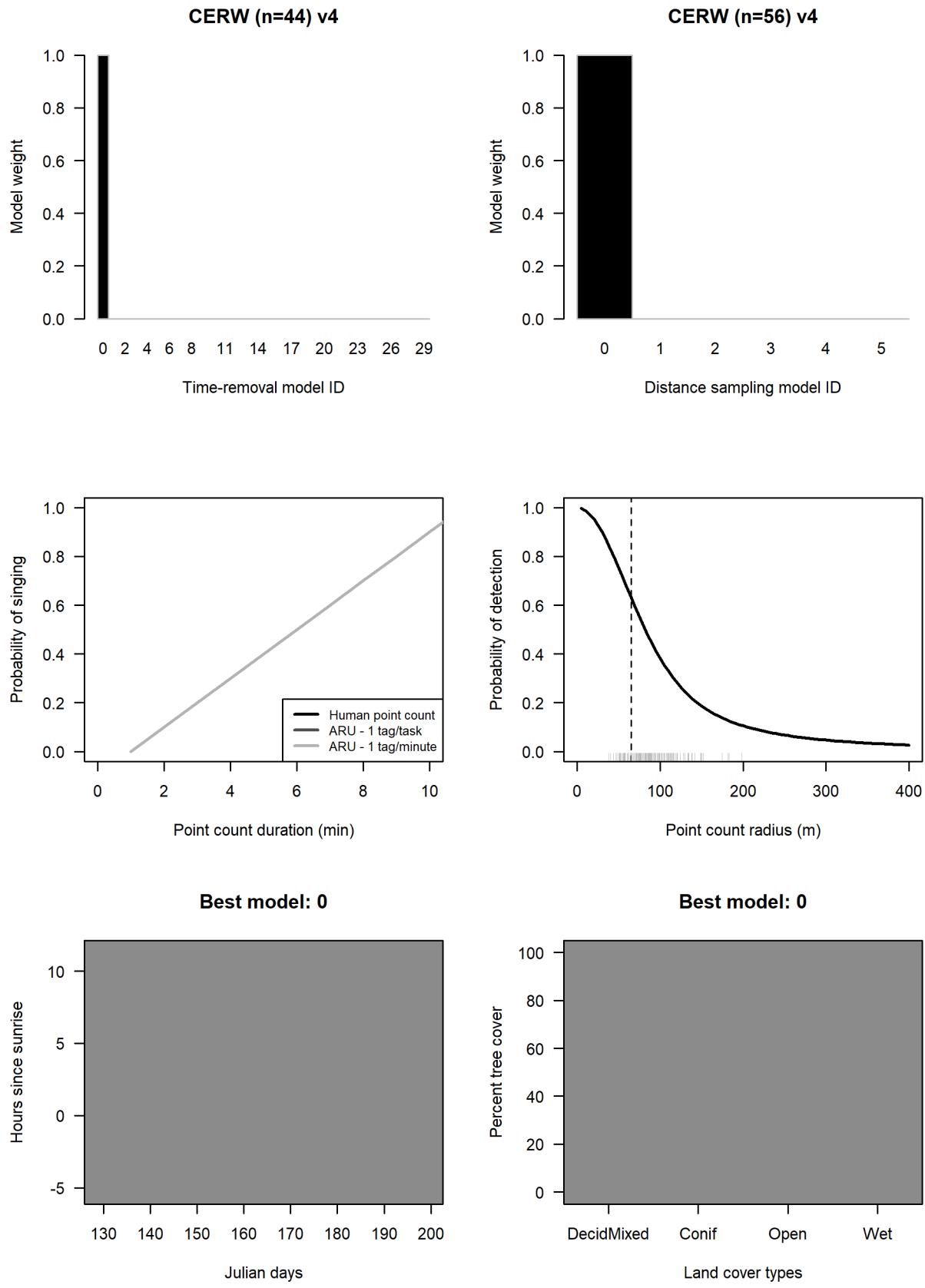
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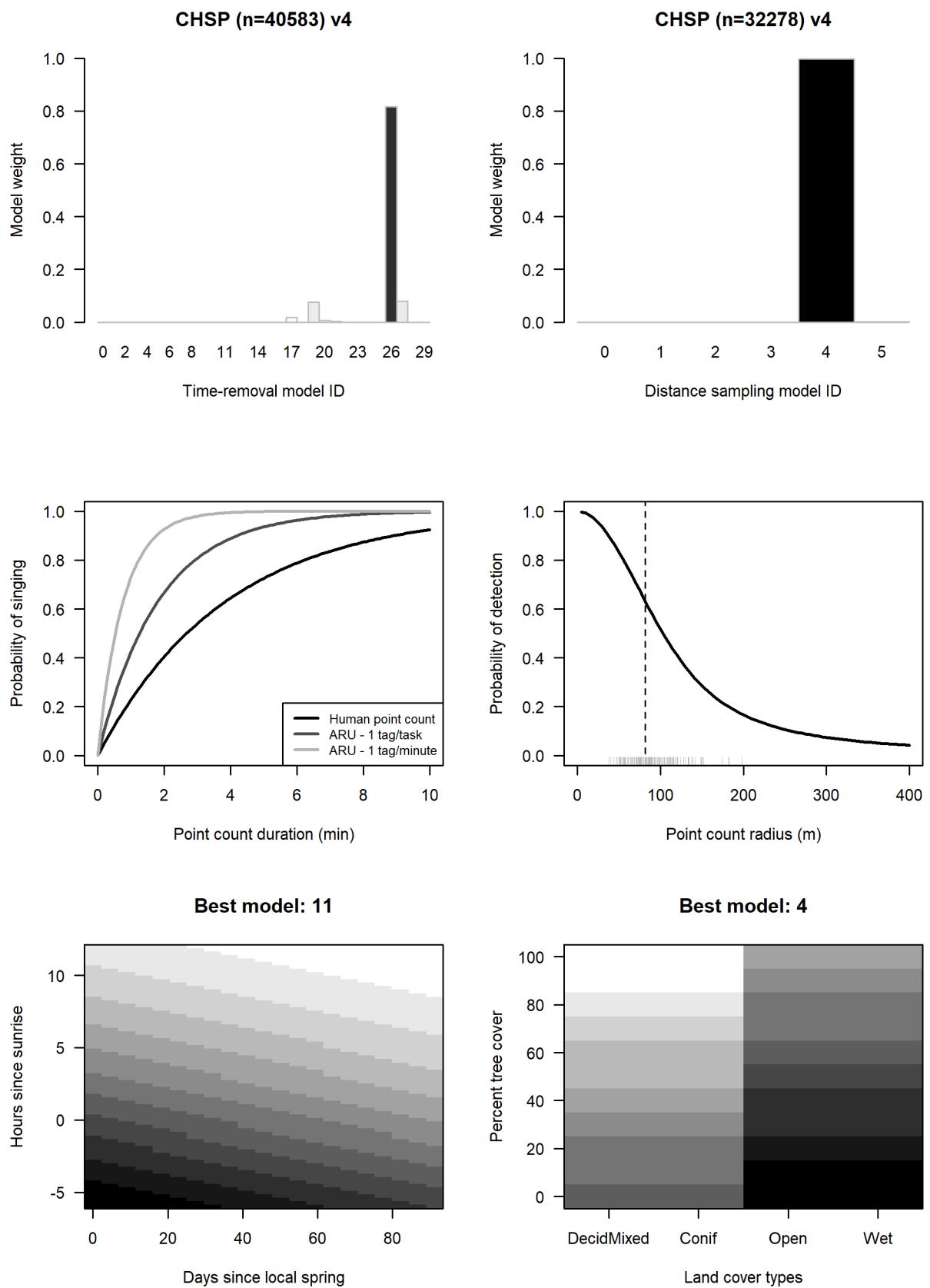


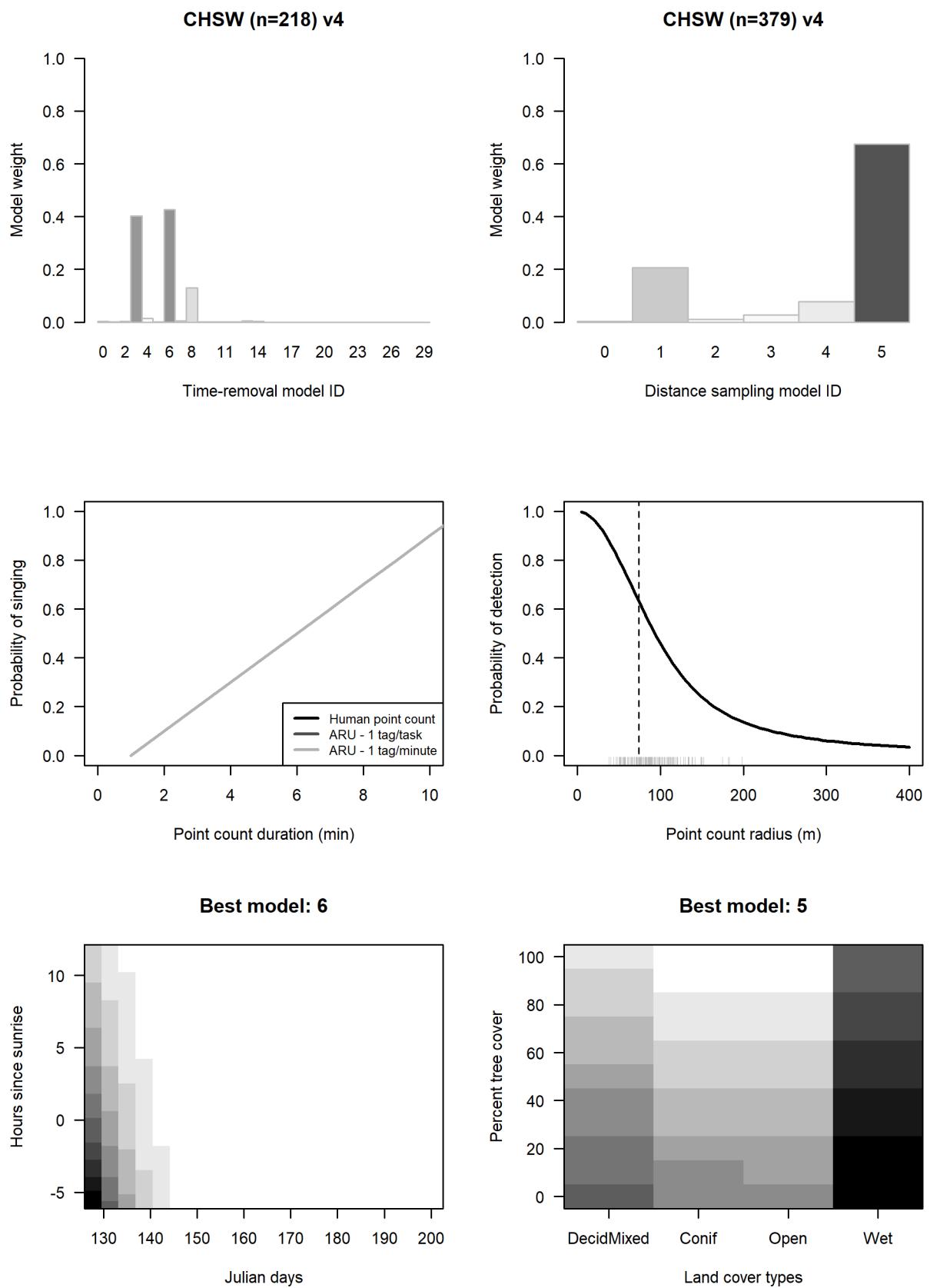


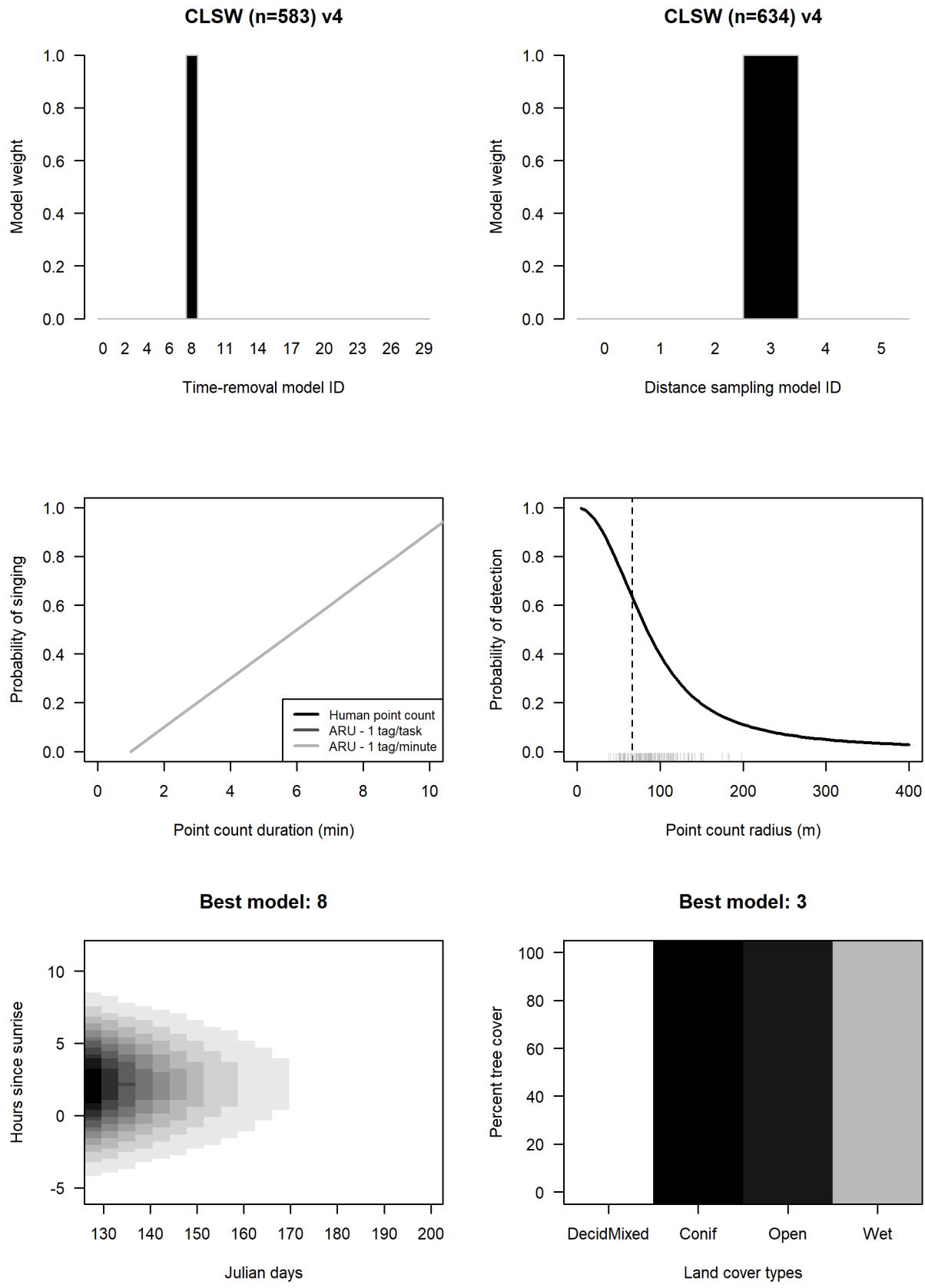




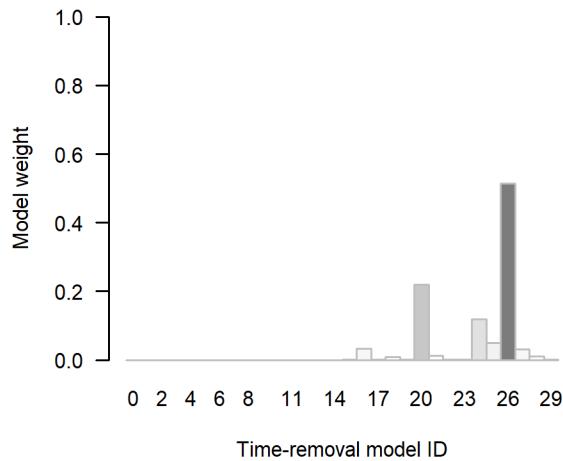




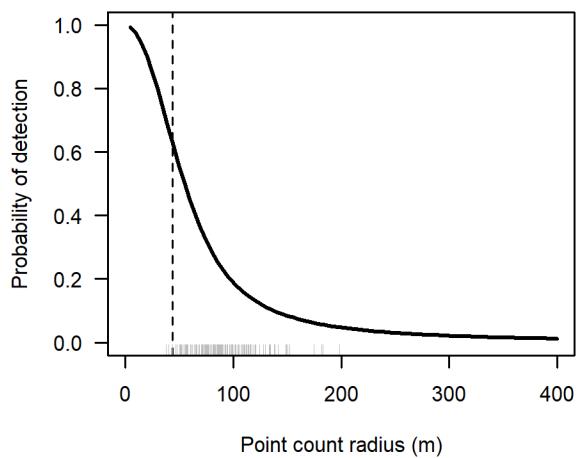
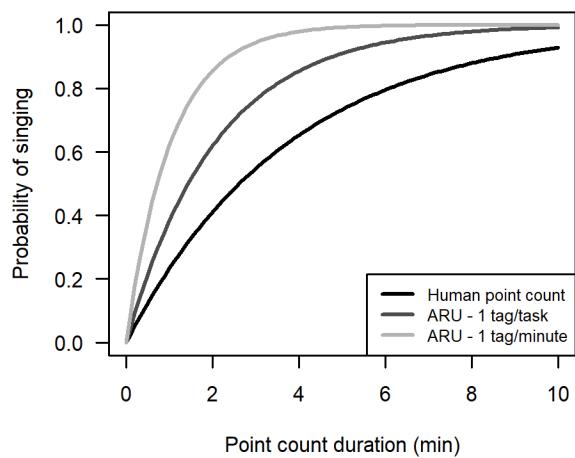
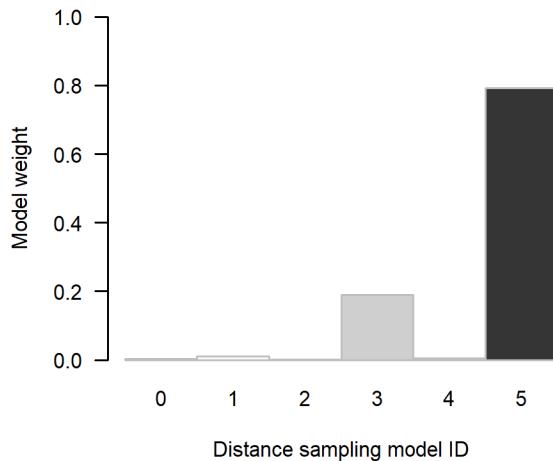




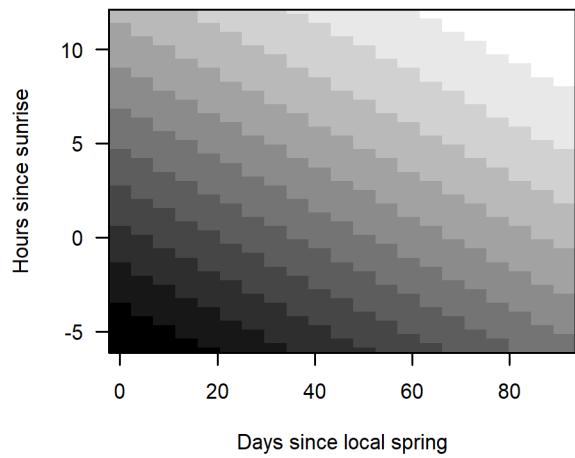
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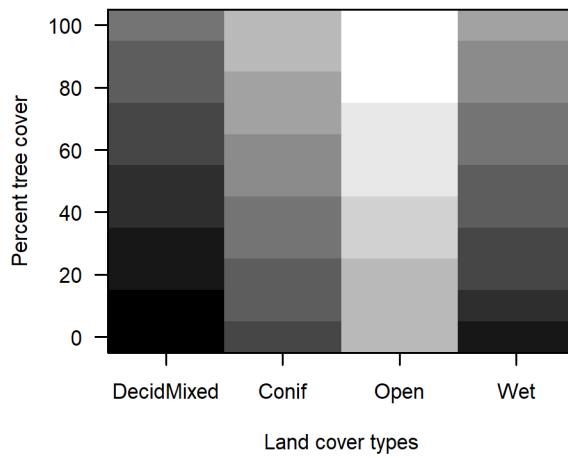
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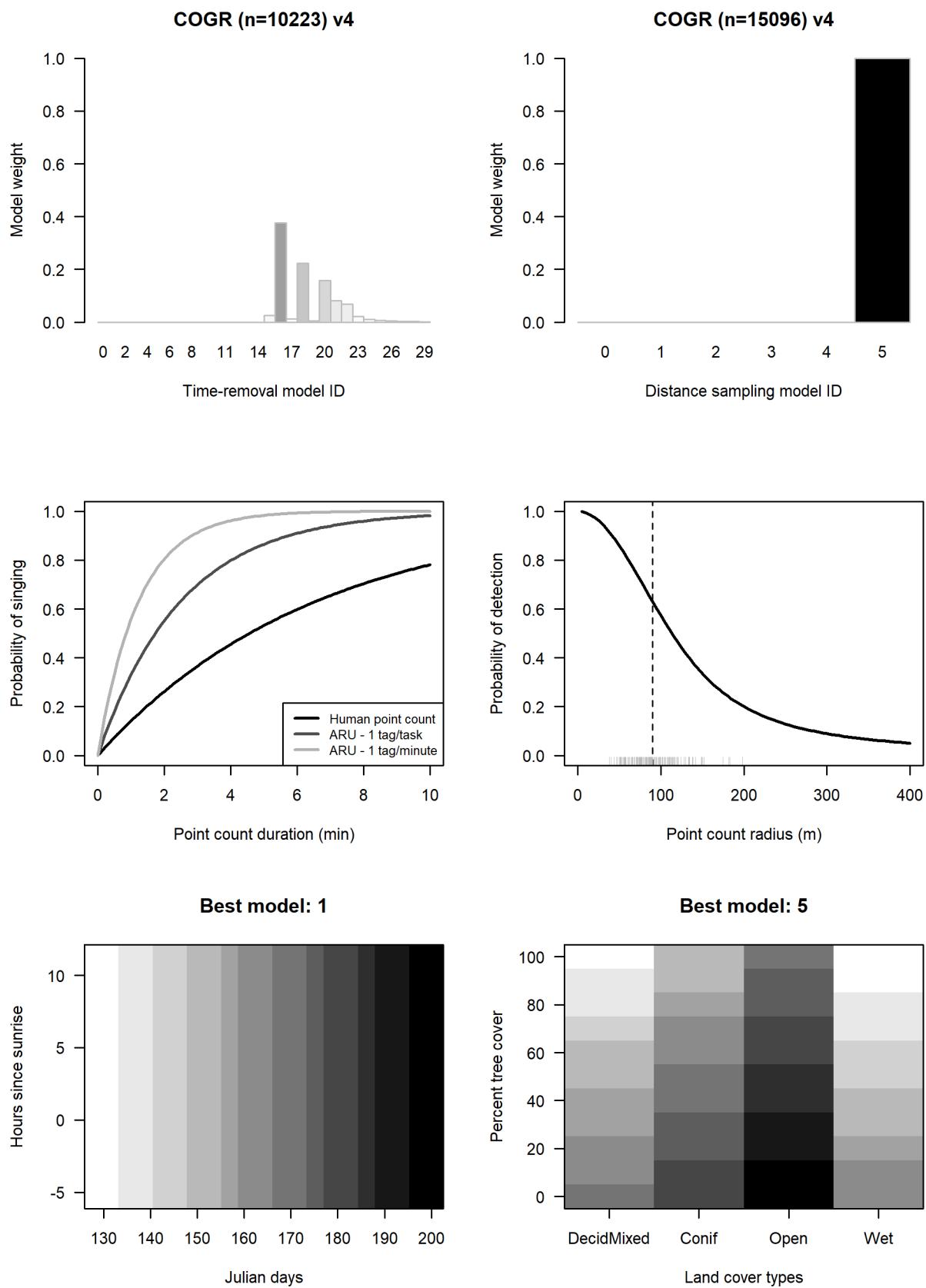


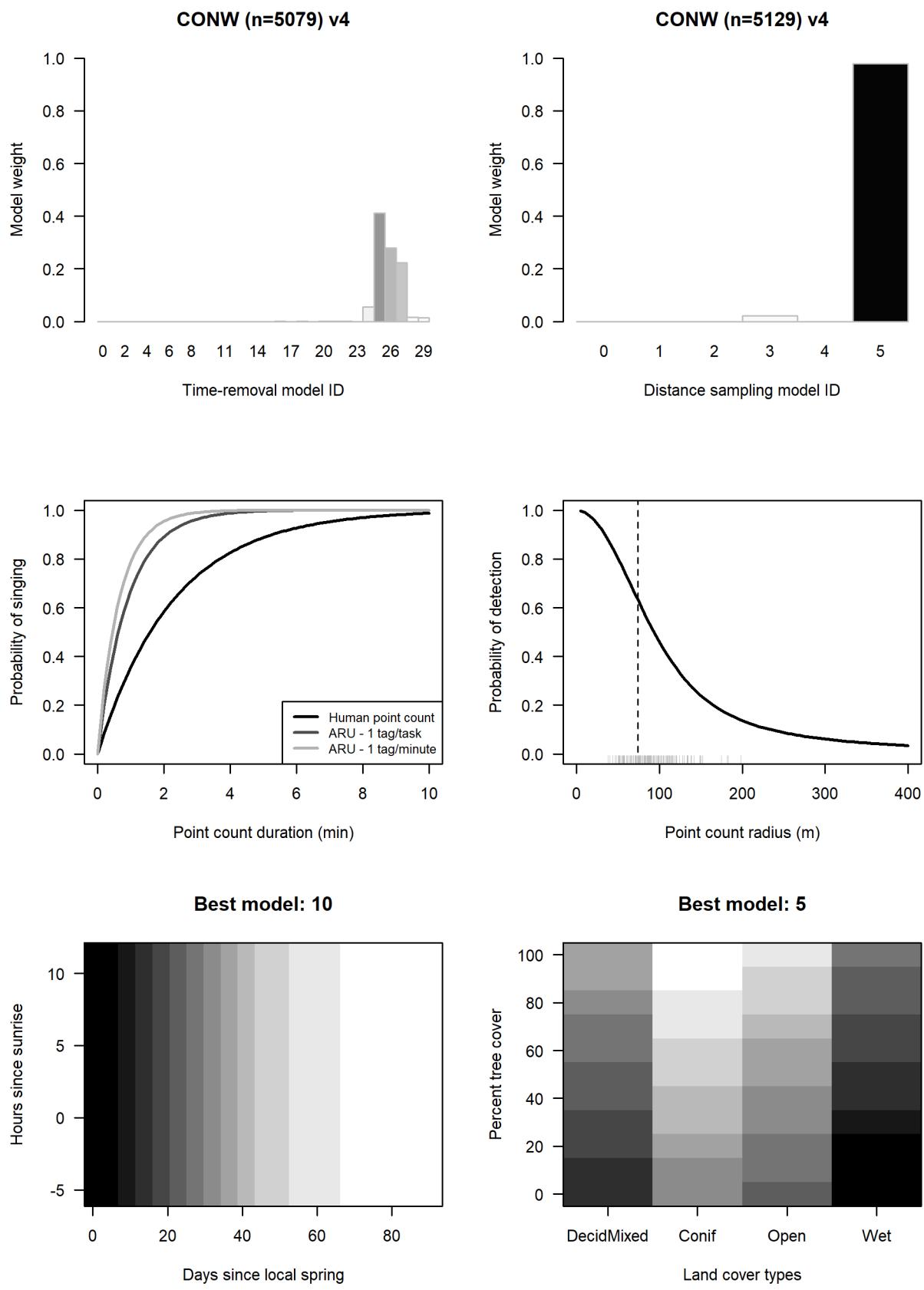
Best model: 11

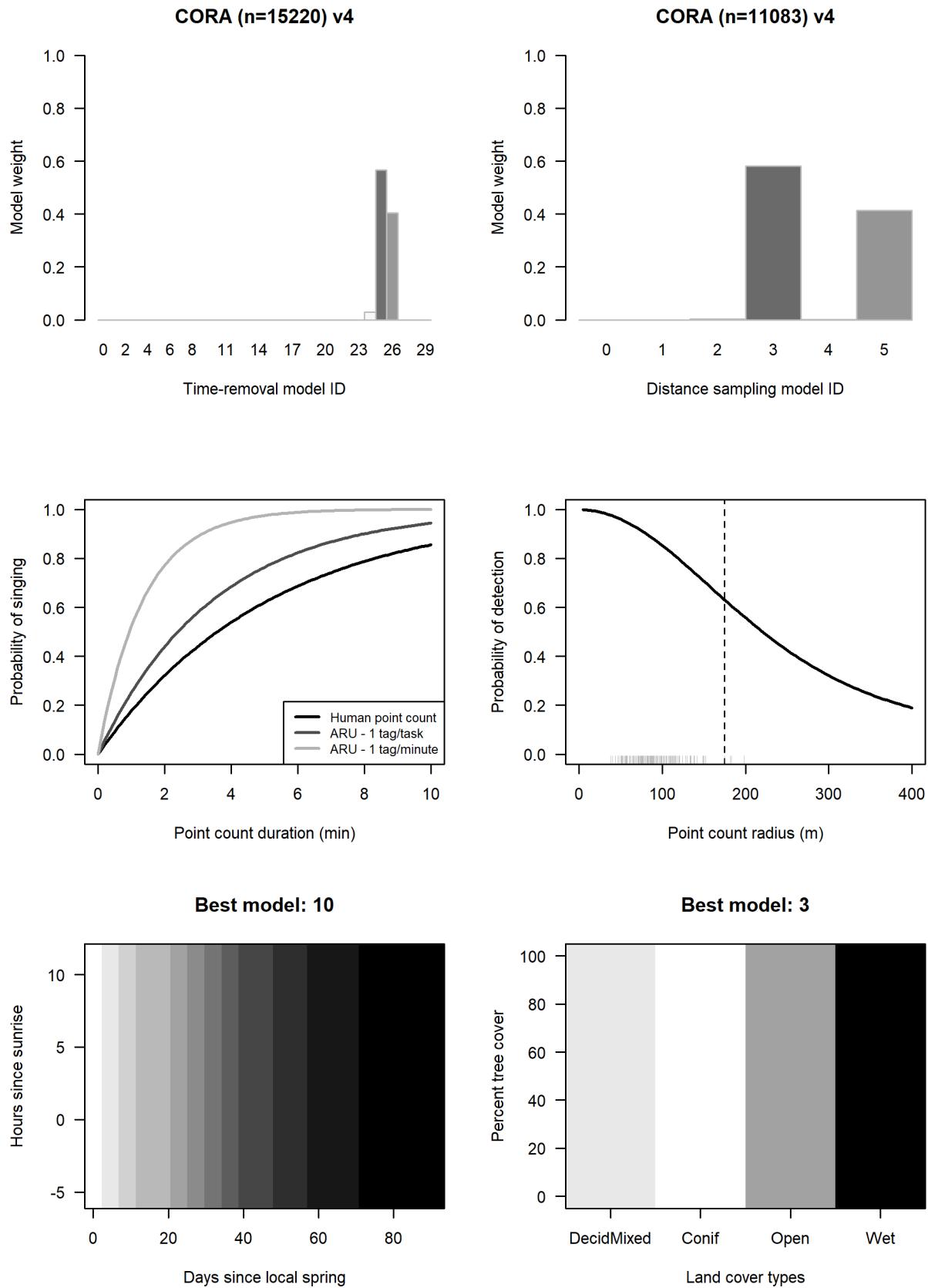


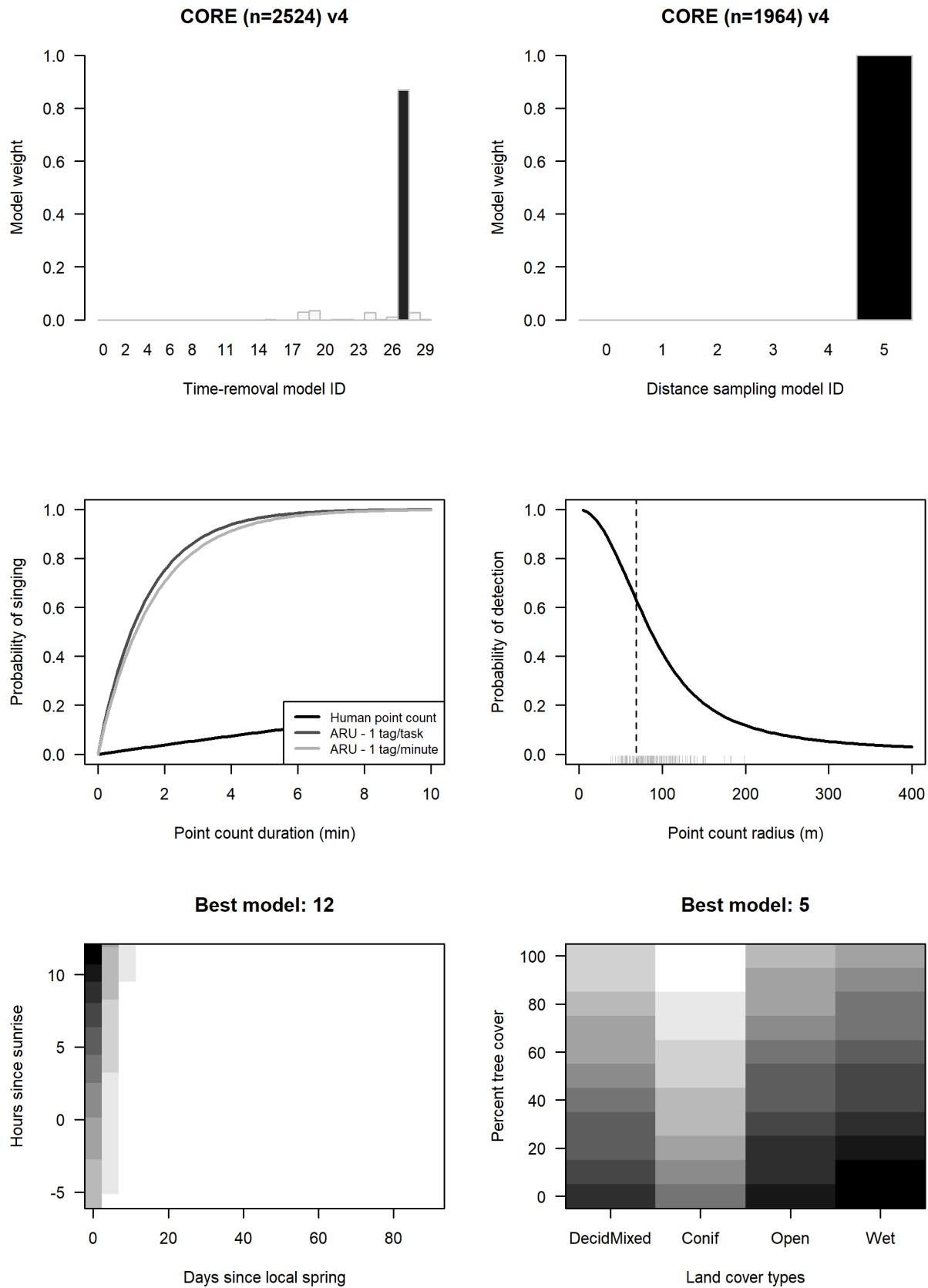
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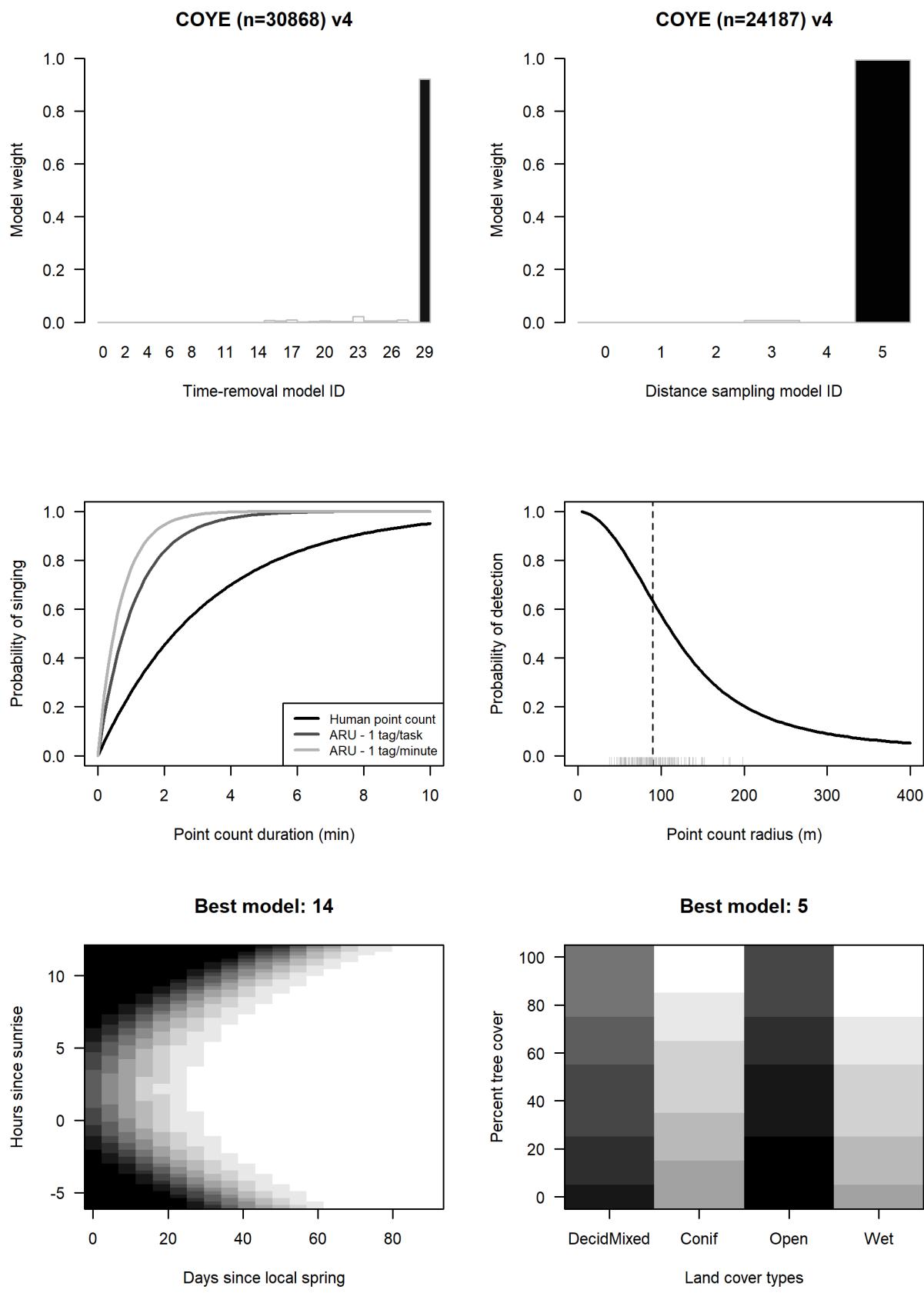


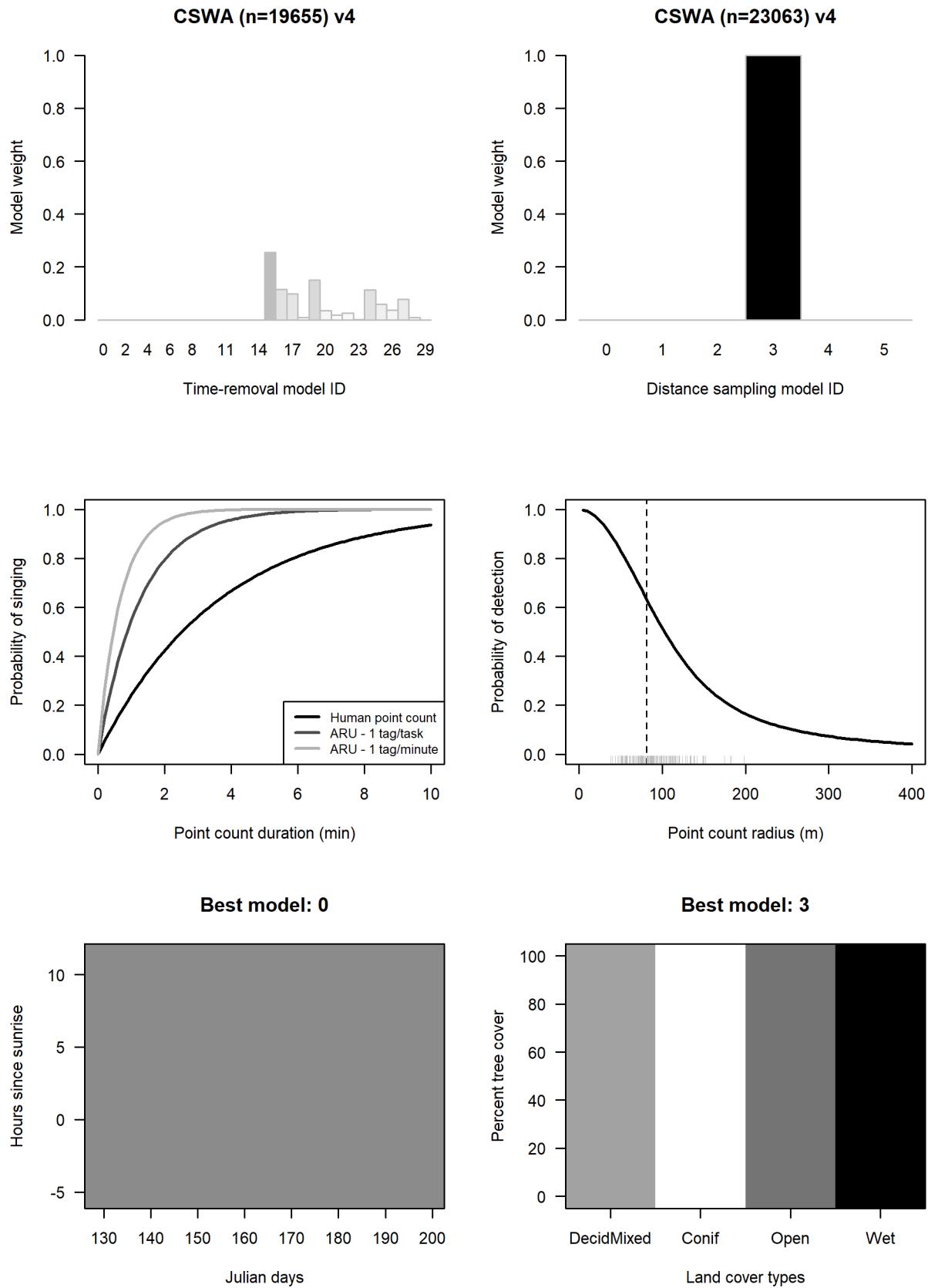


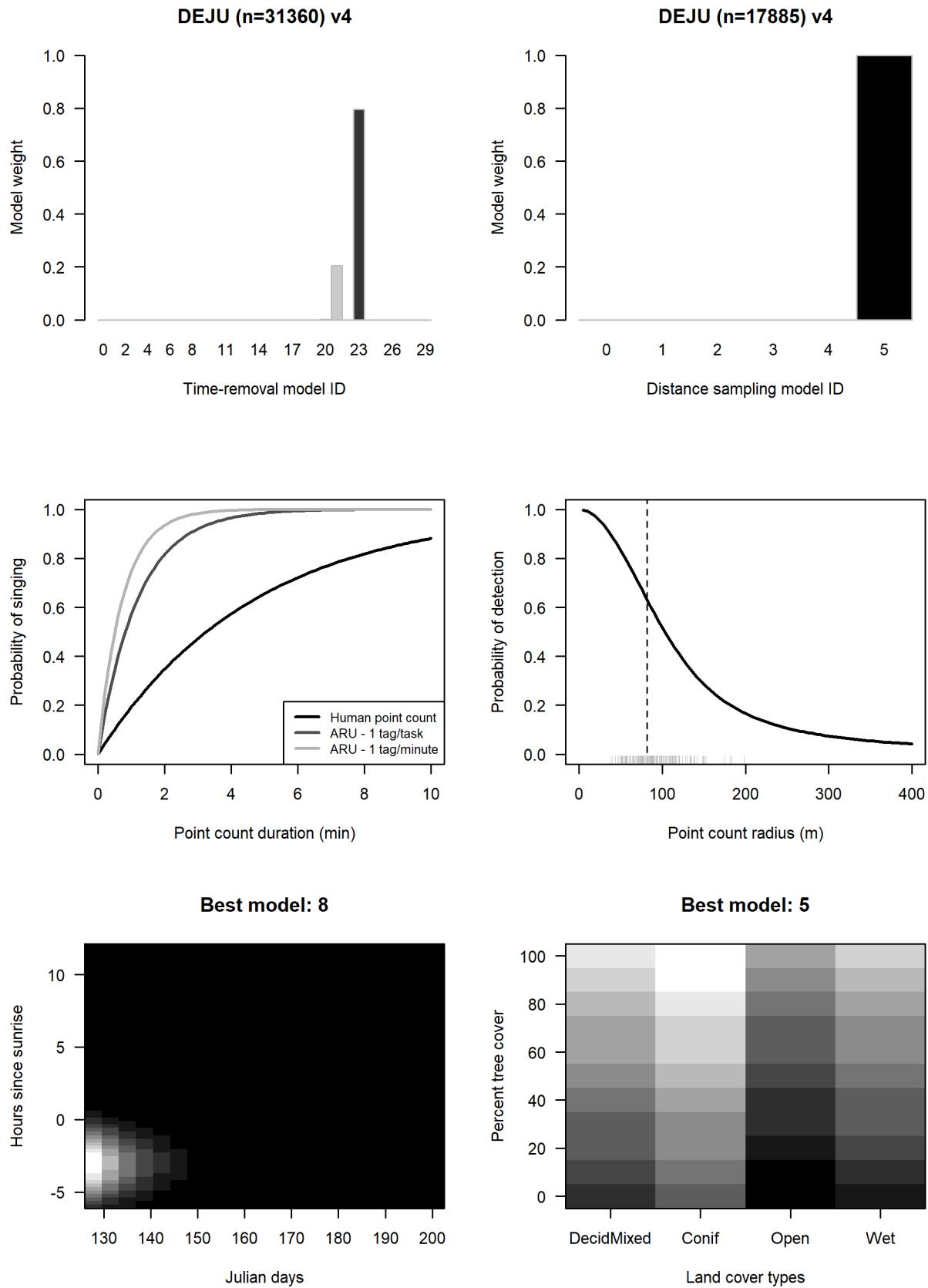


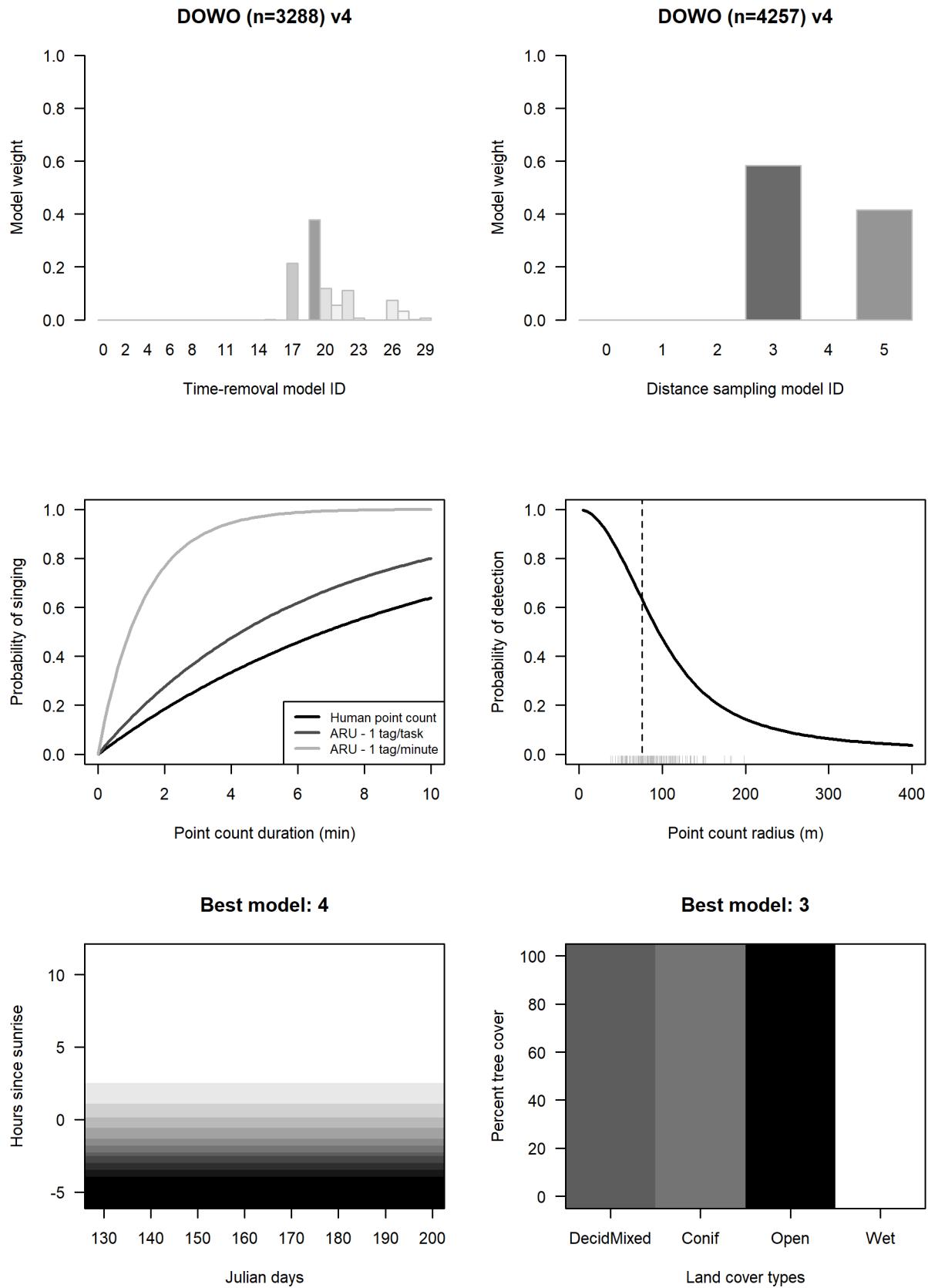


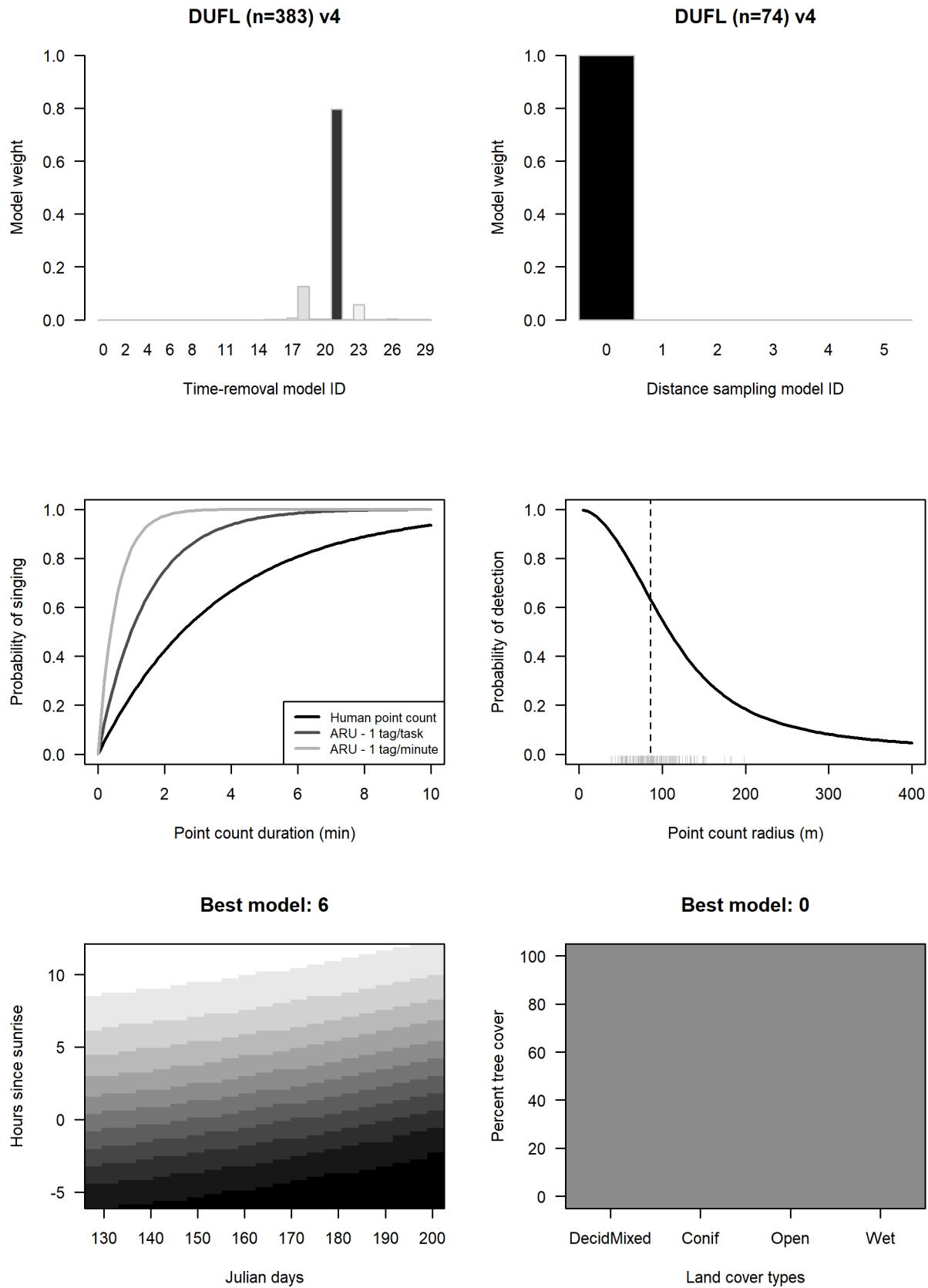


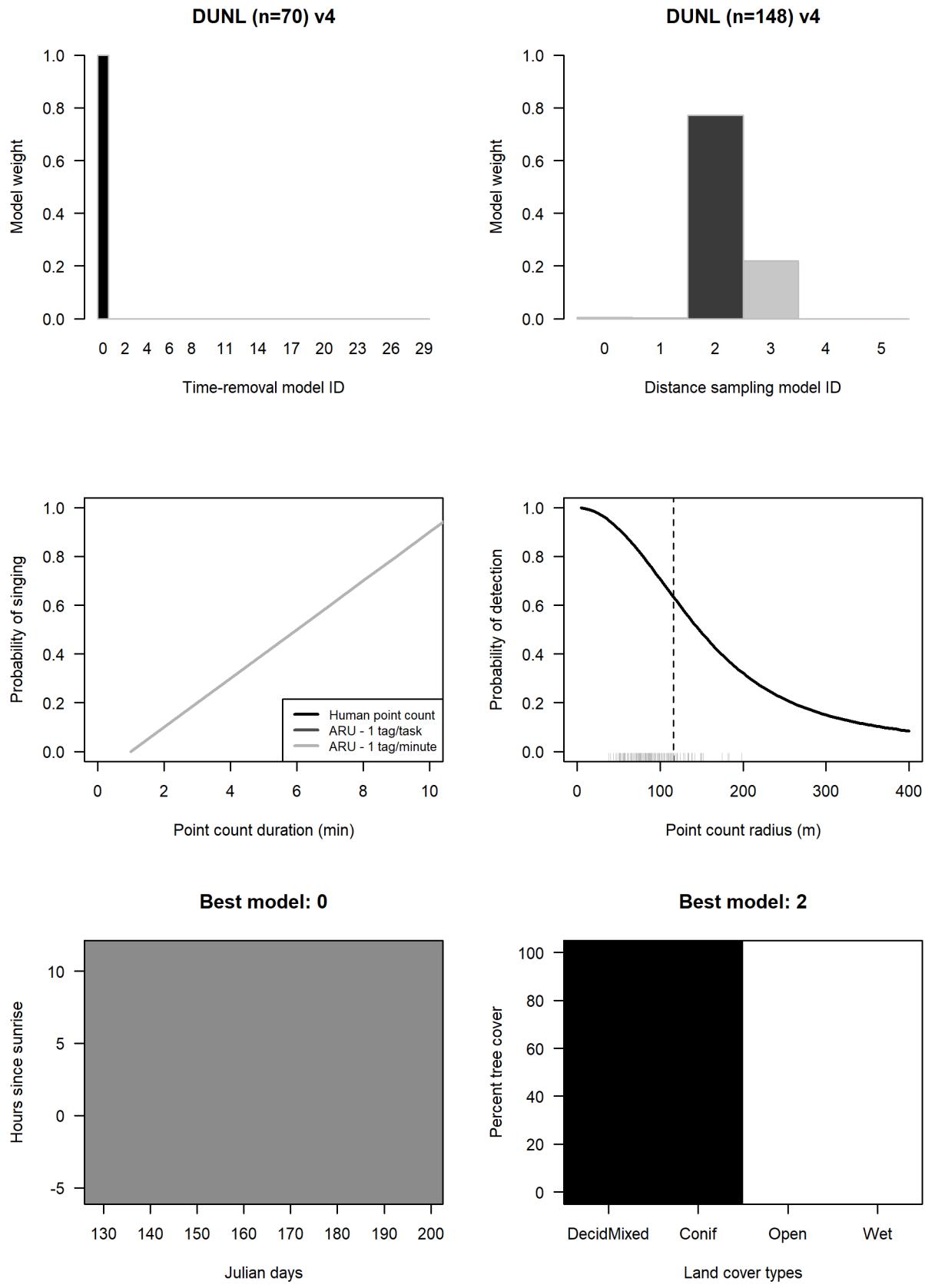




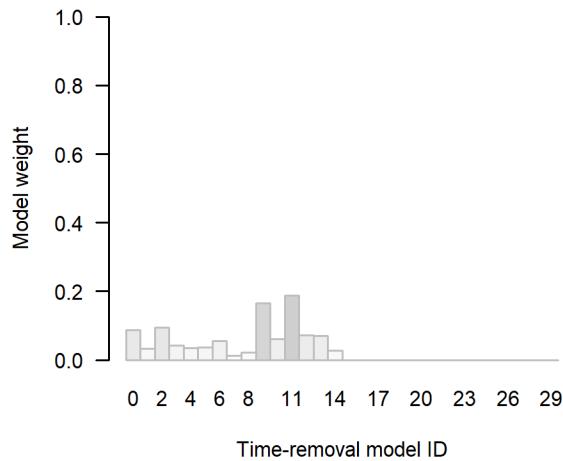




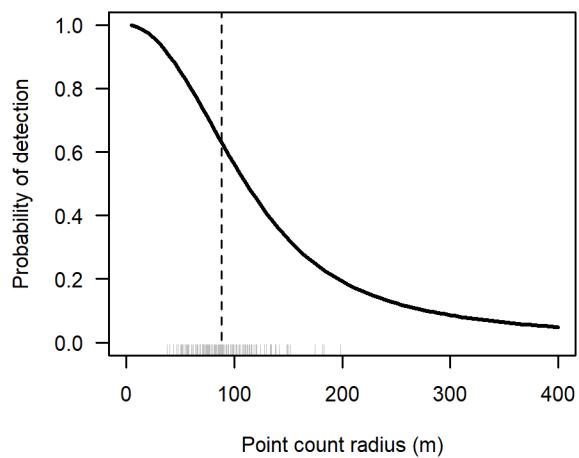
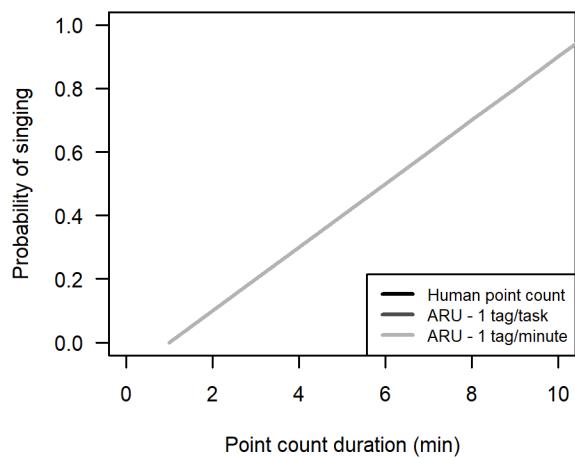
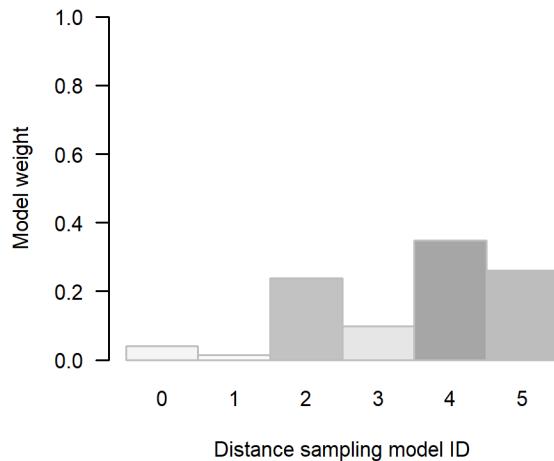




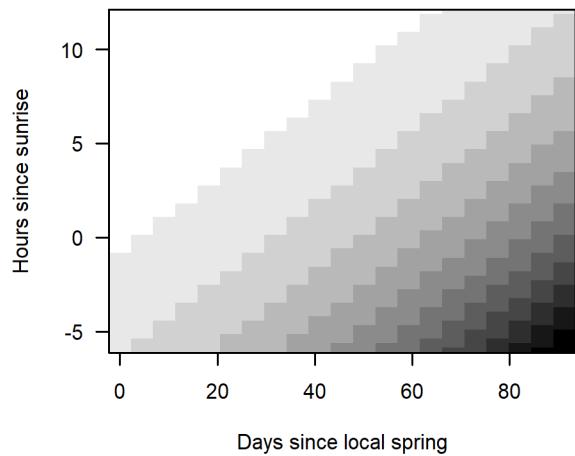
EABL (n=717) v4



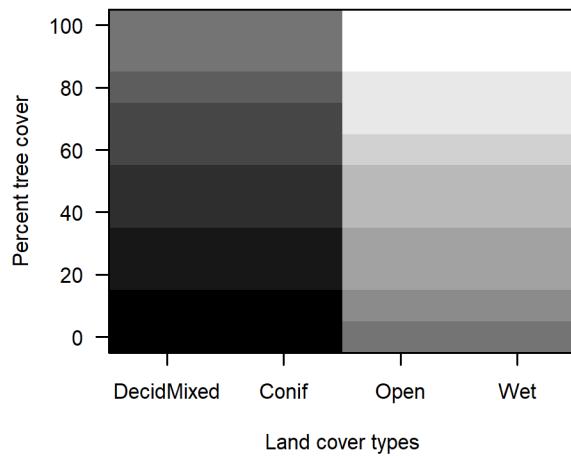
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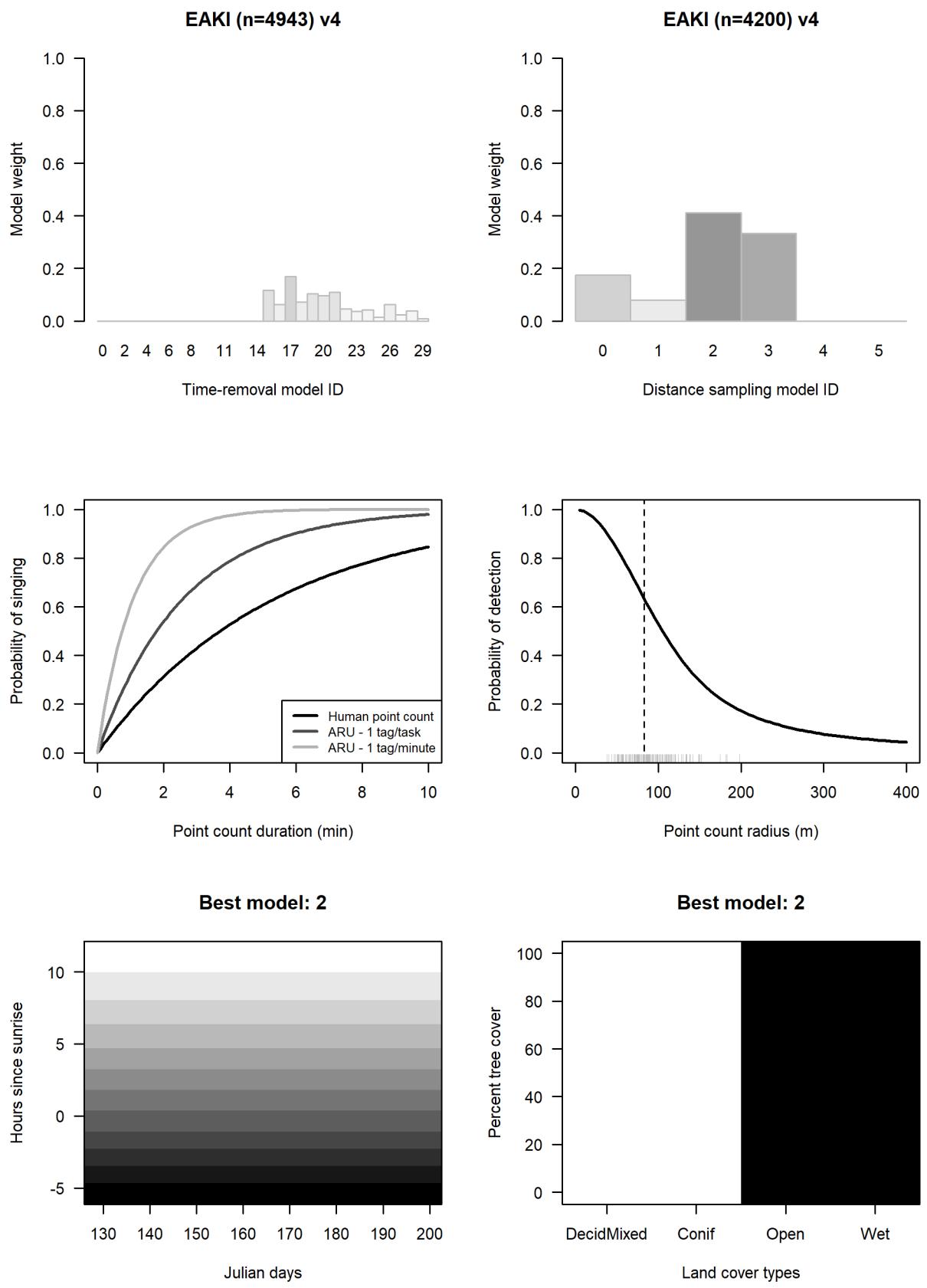


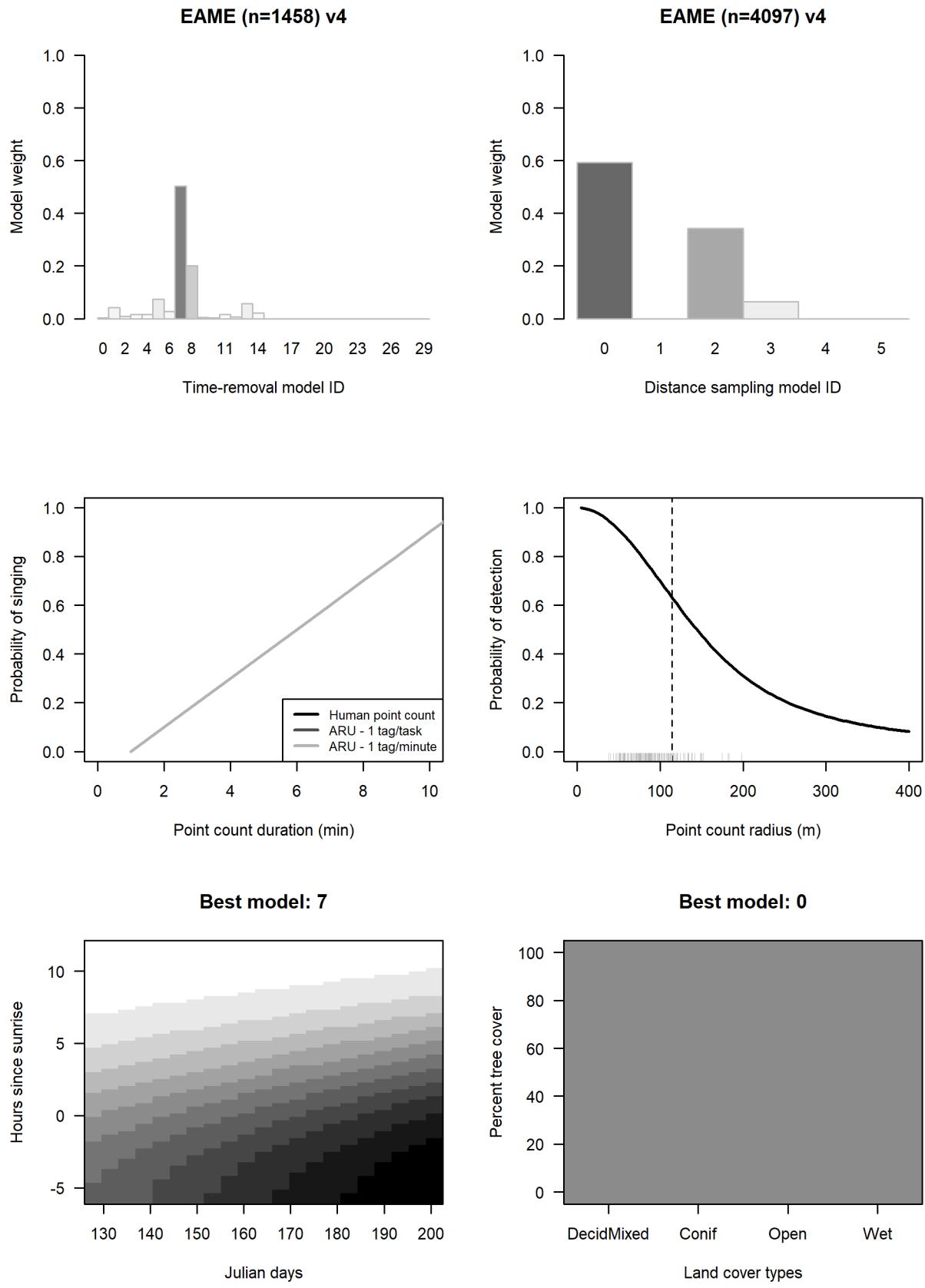
Best model: 11

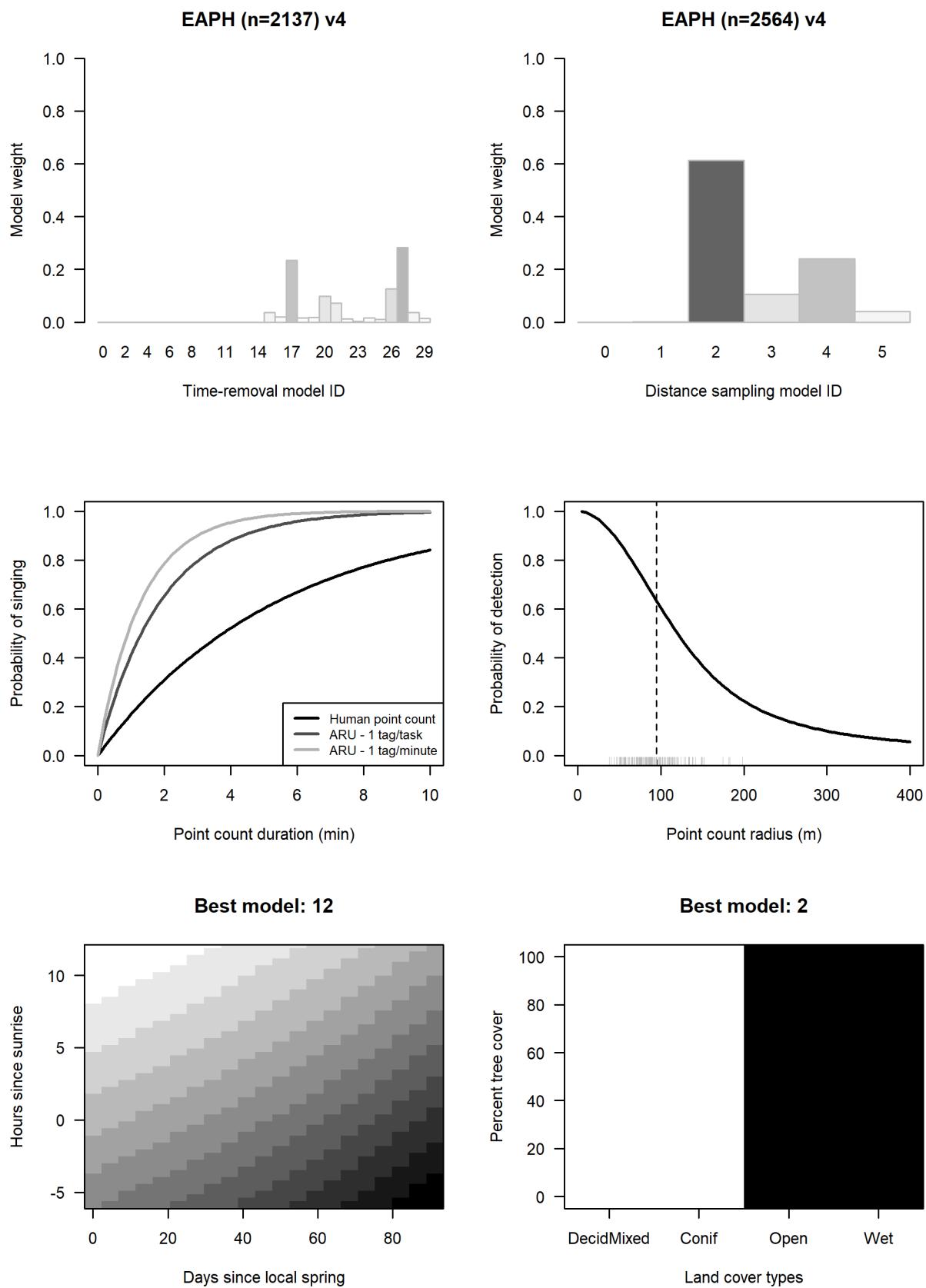


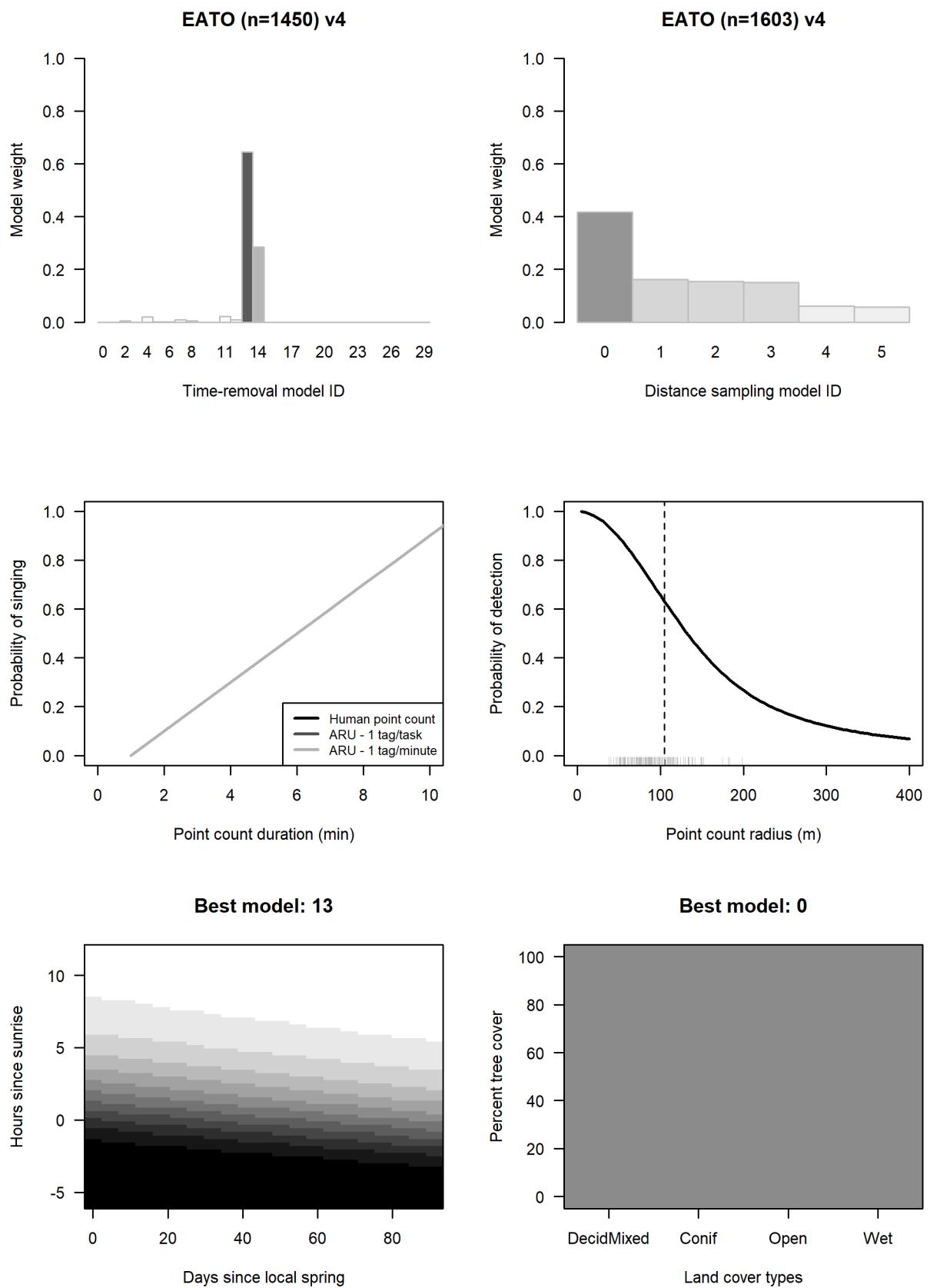
Best model: 4

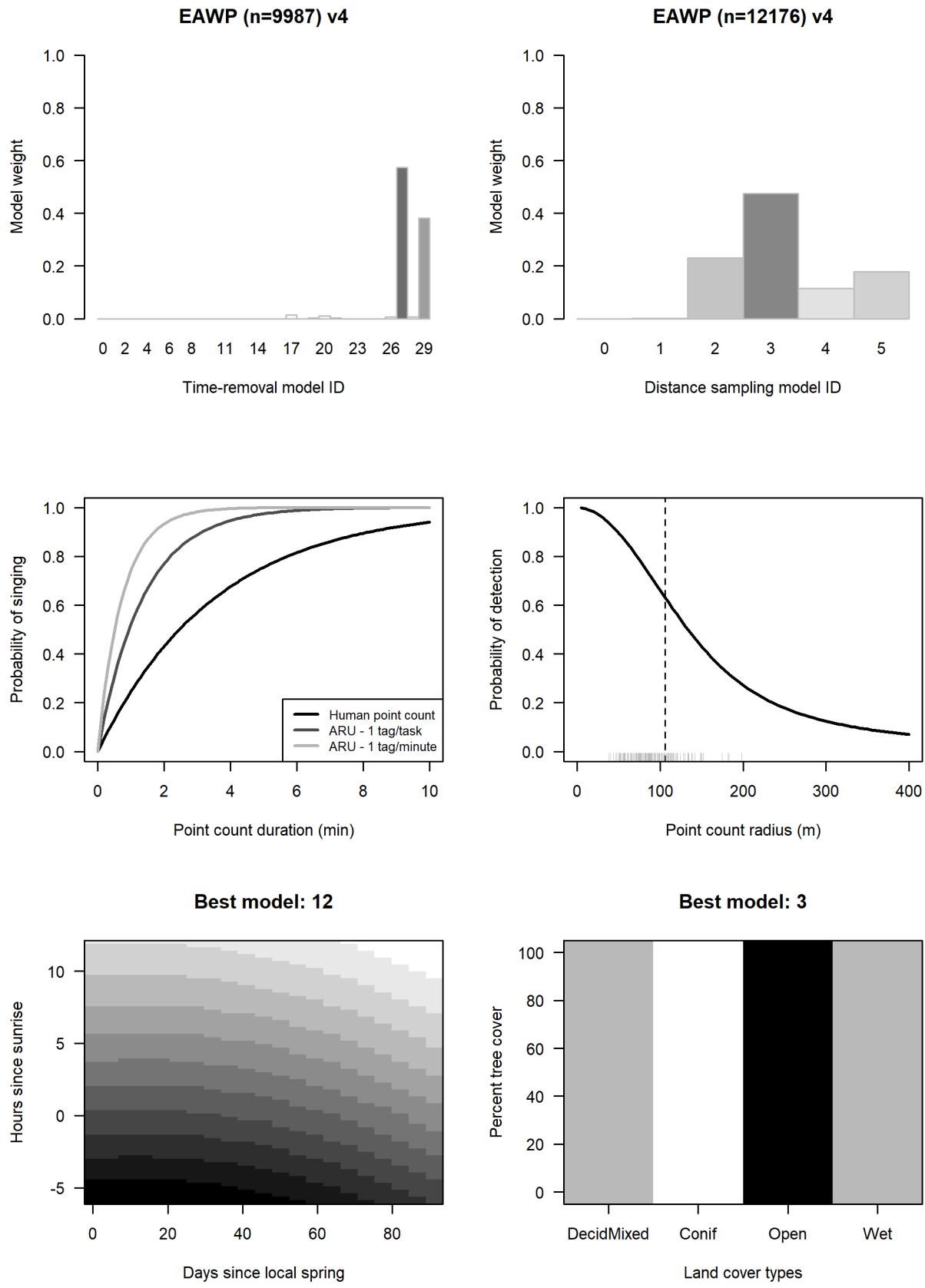


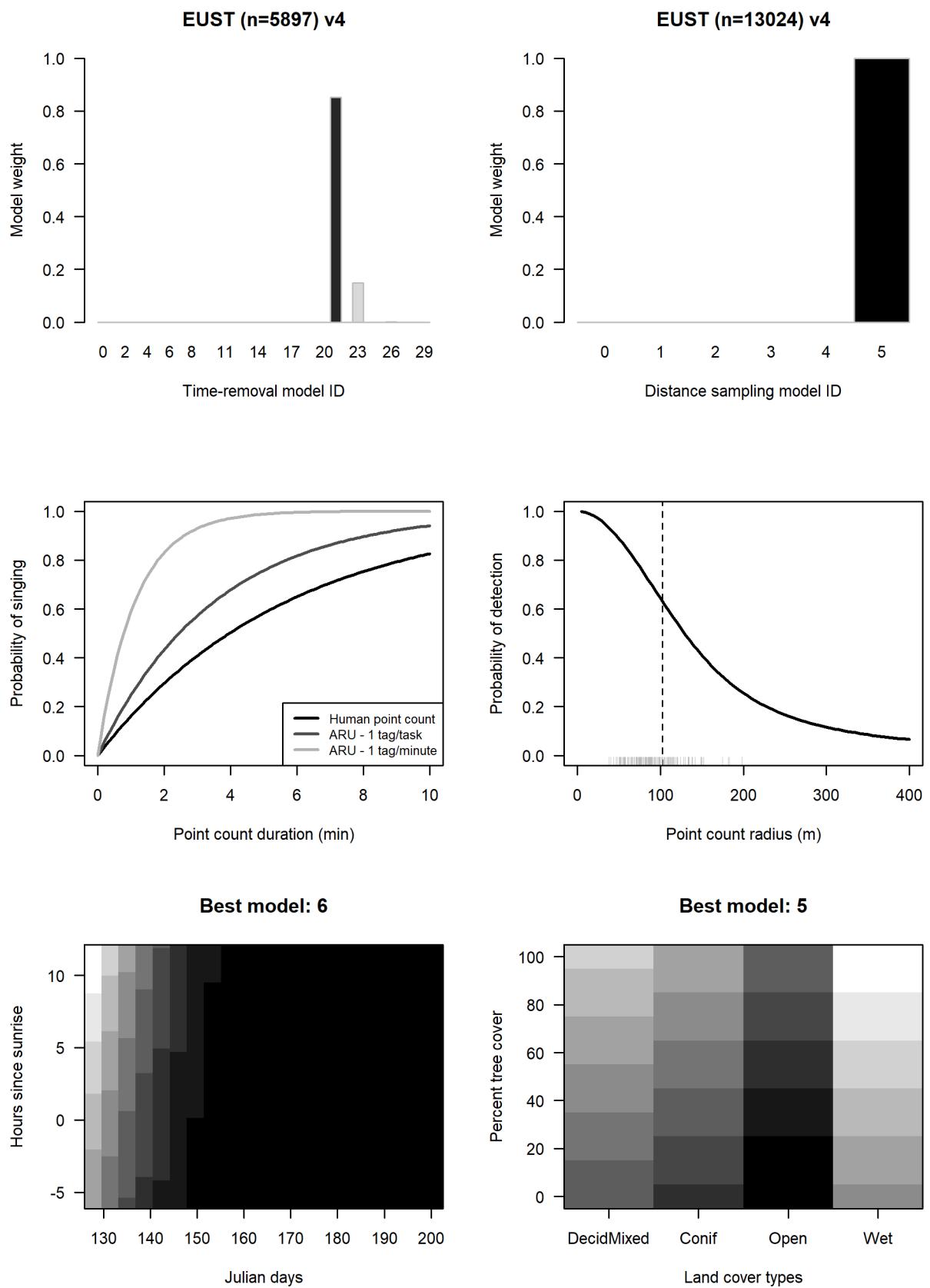


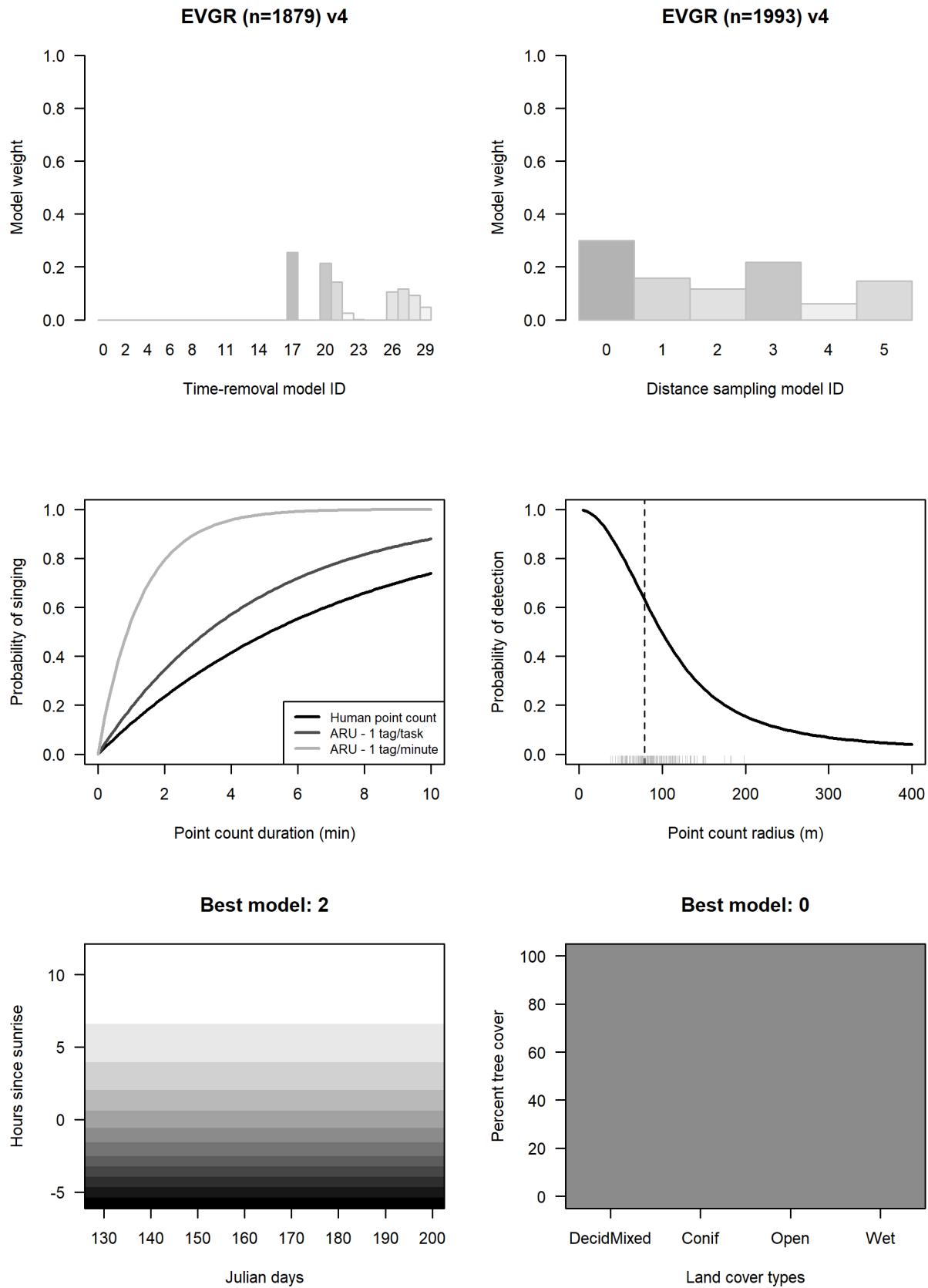


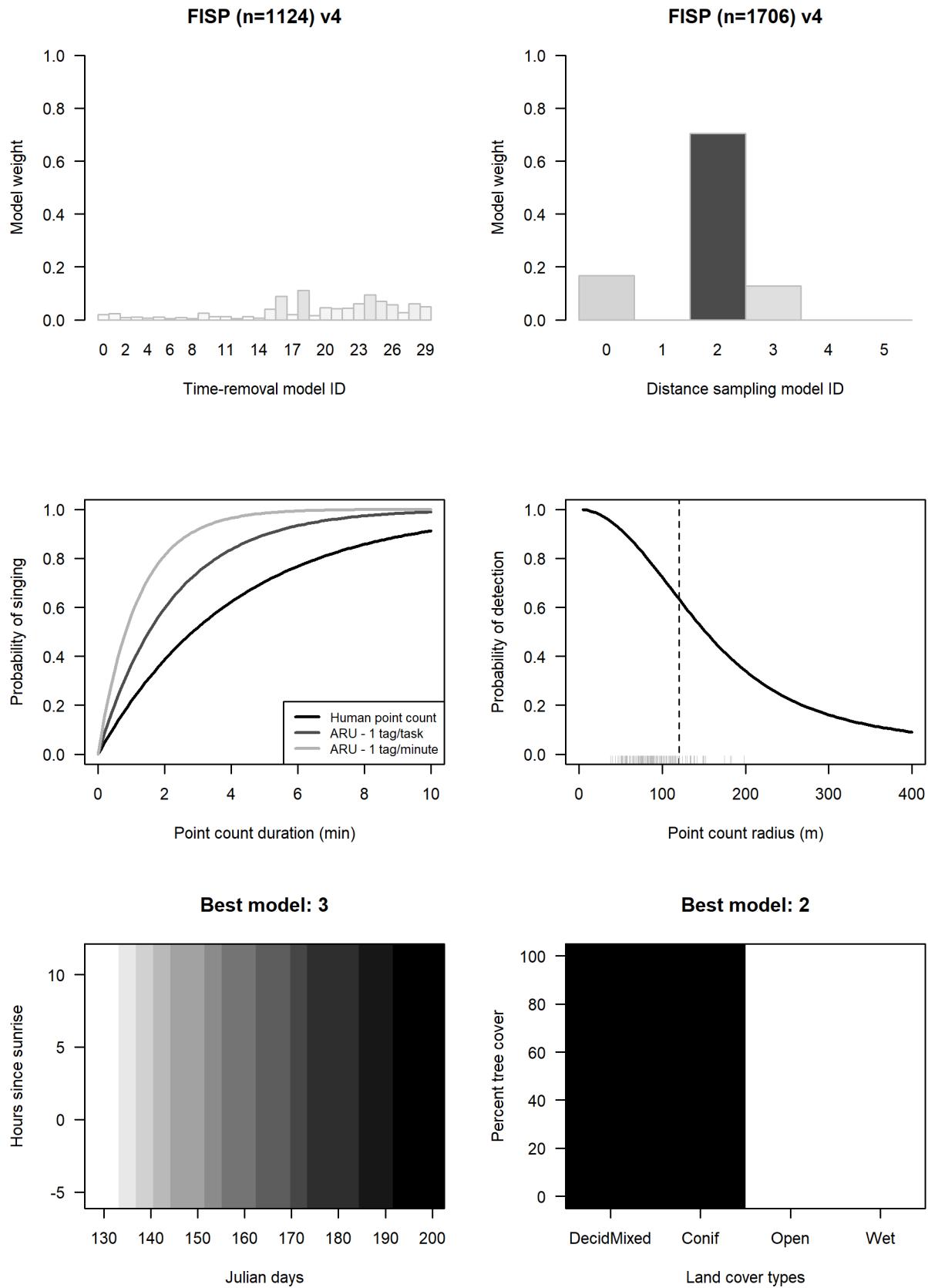


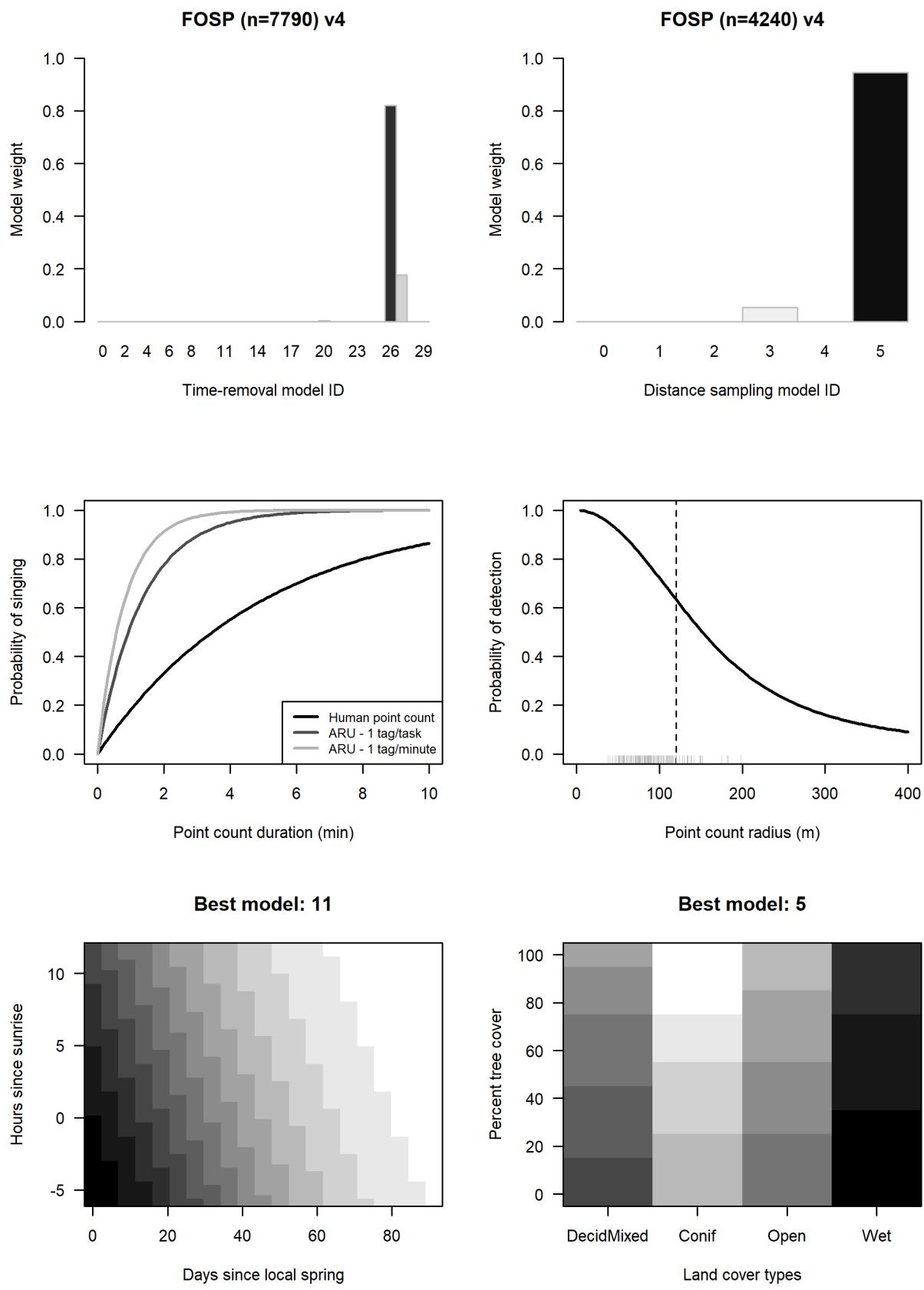


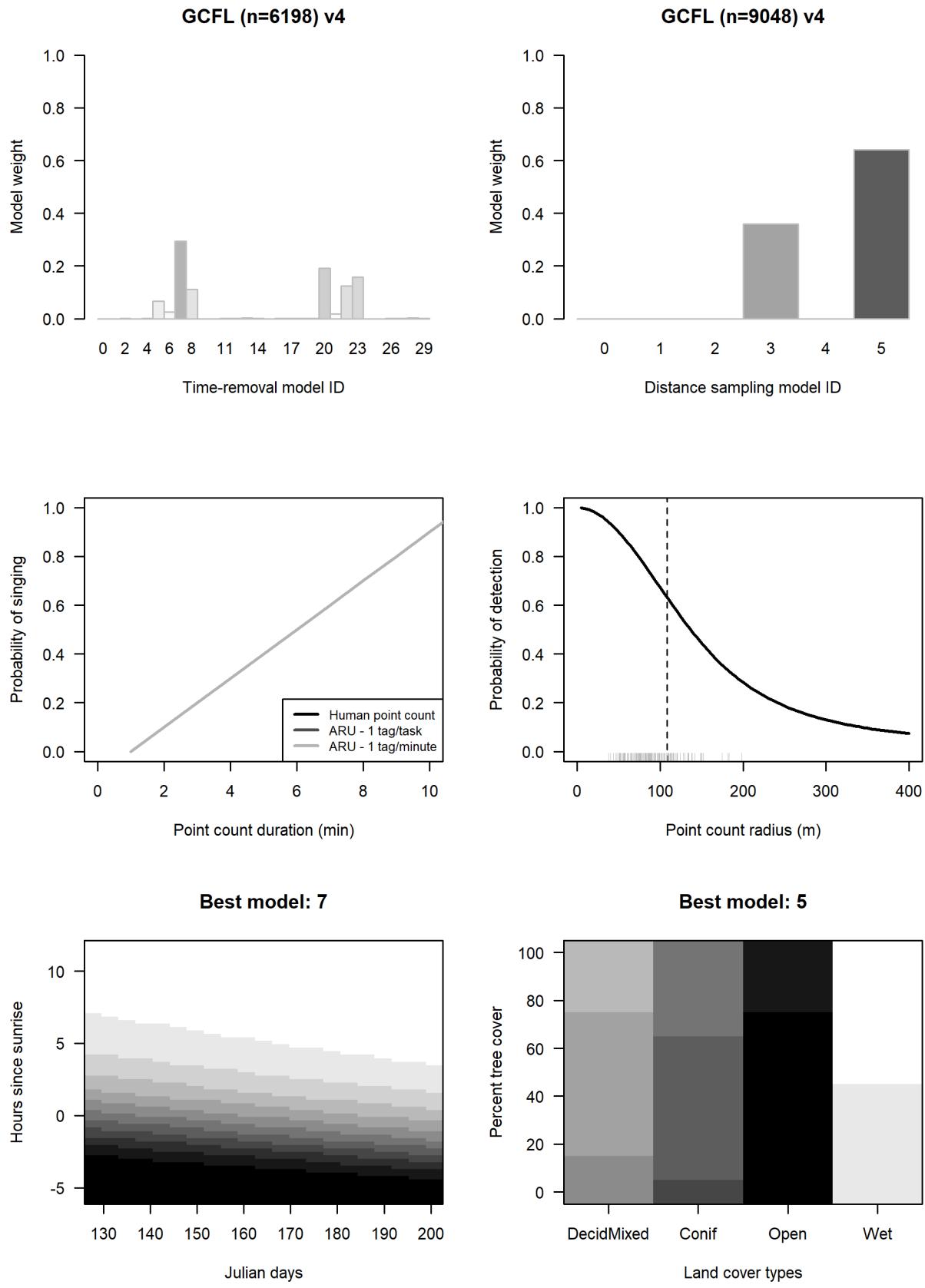


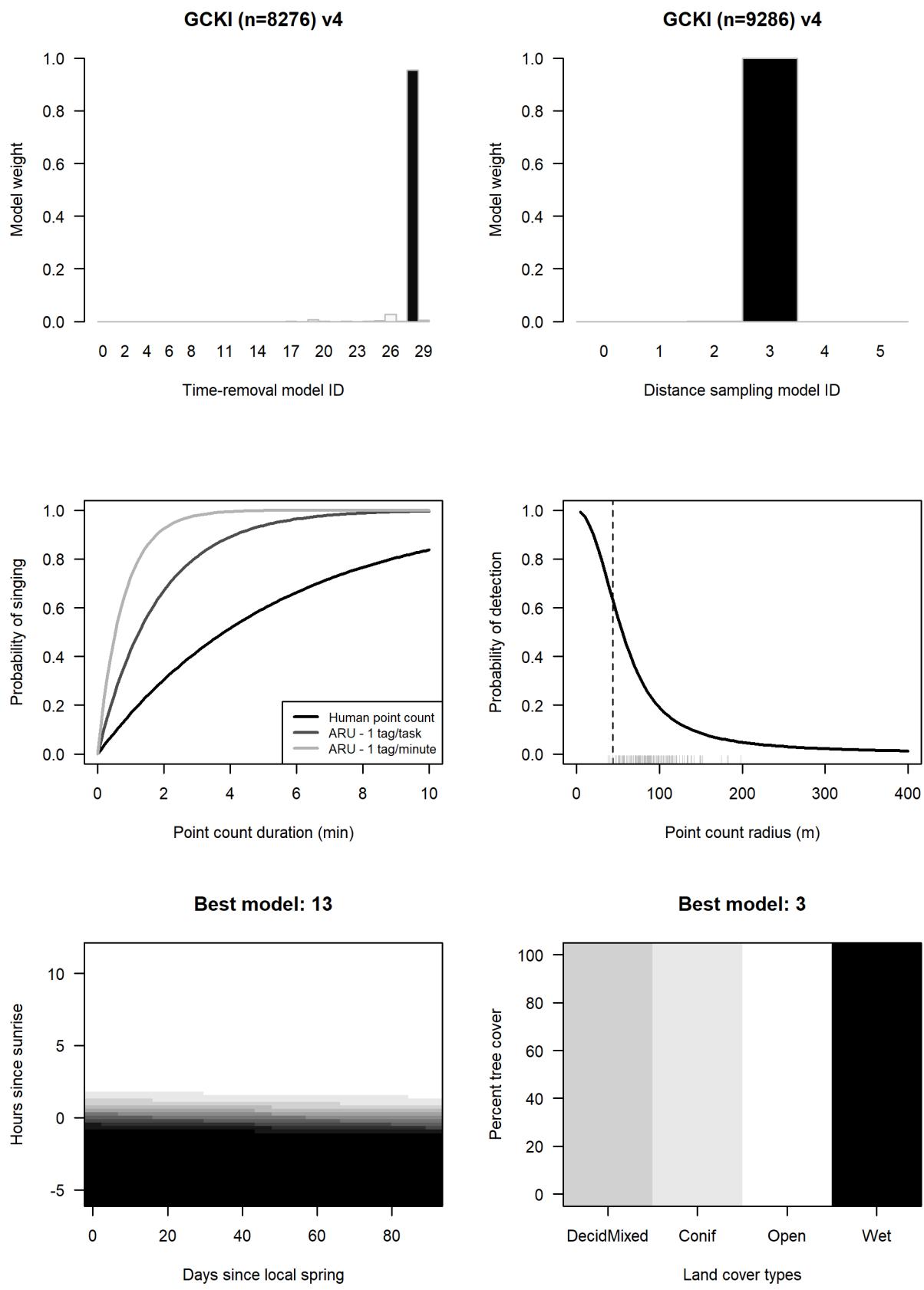


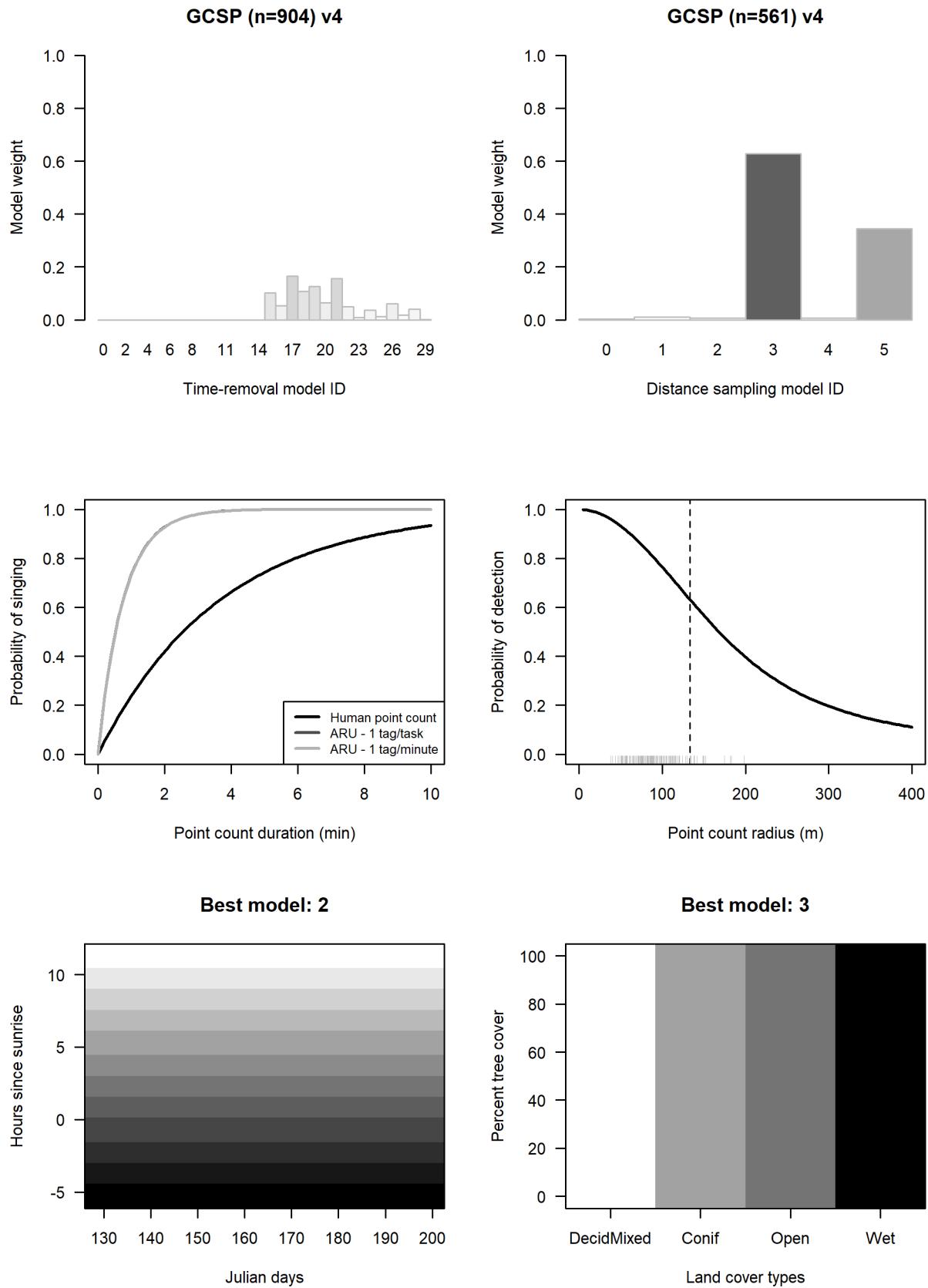


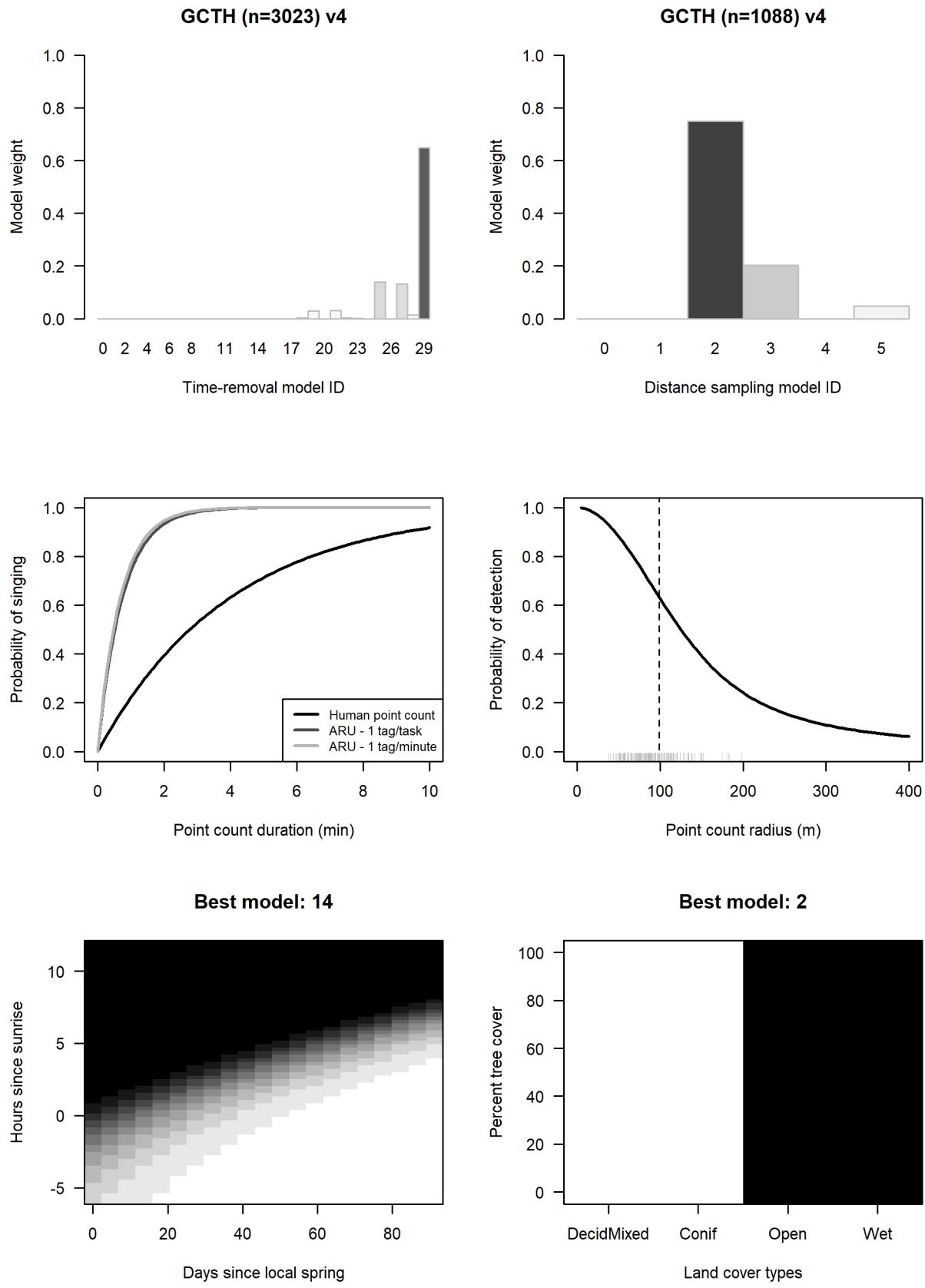


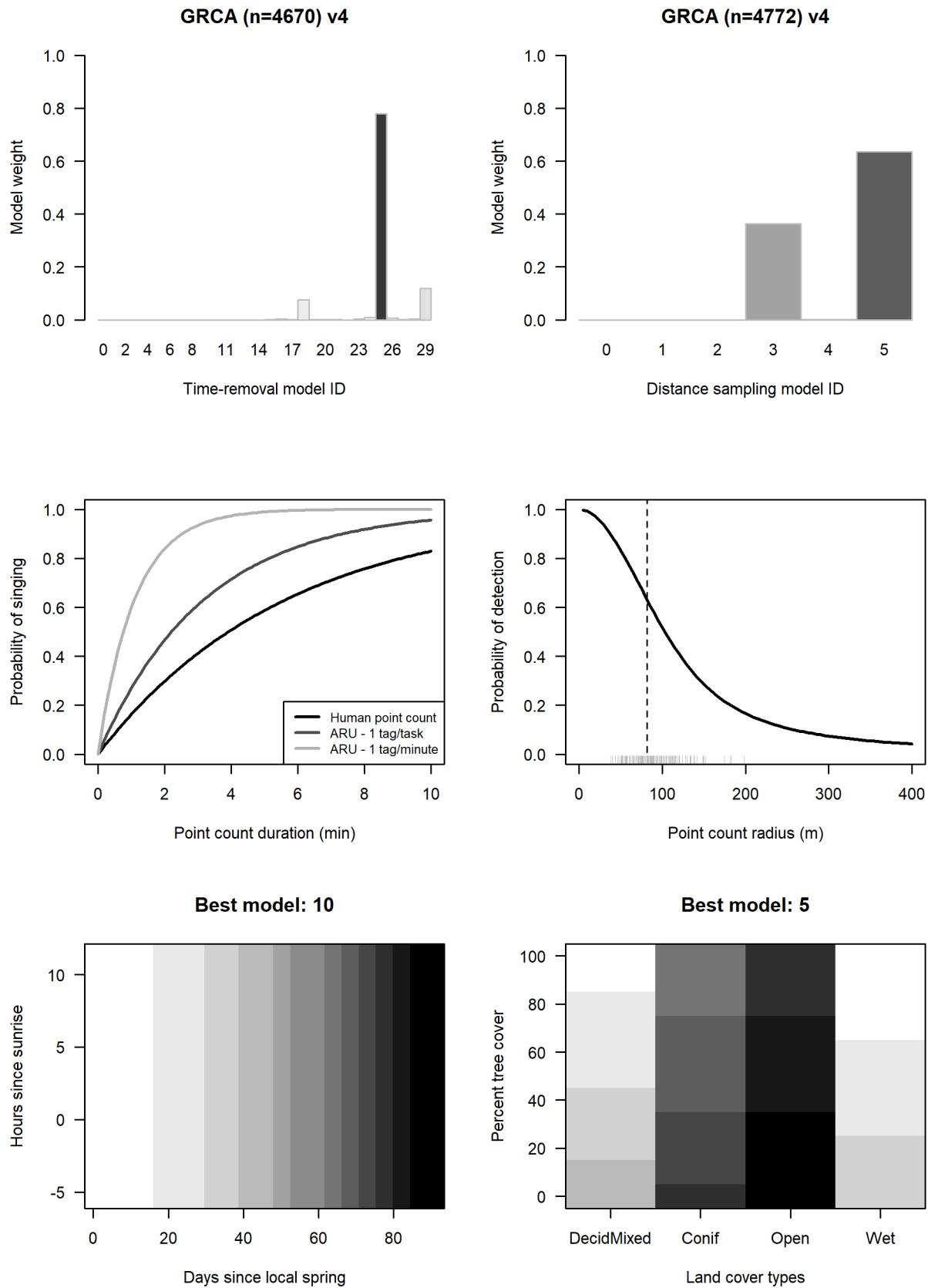


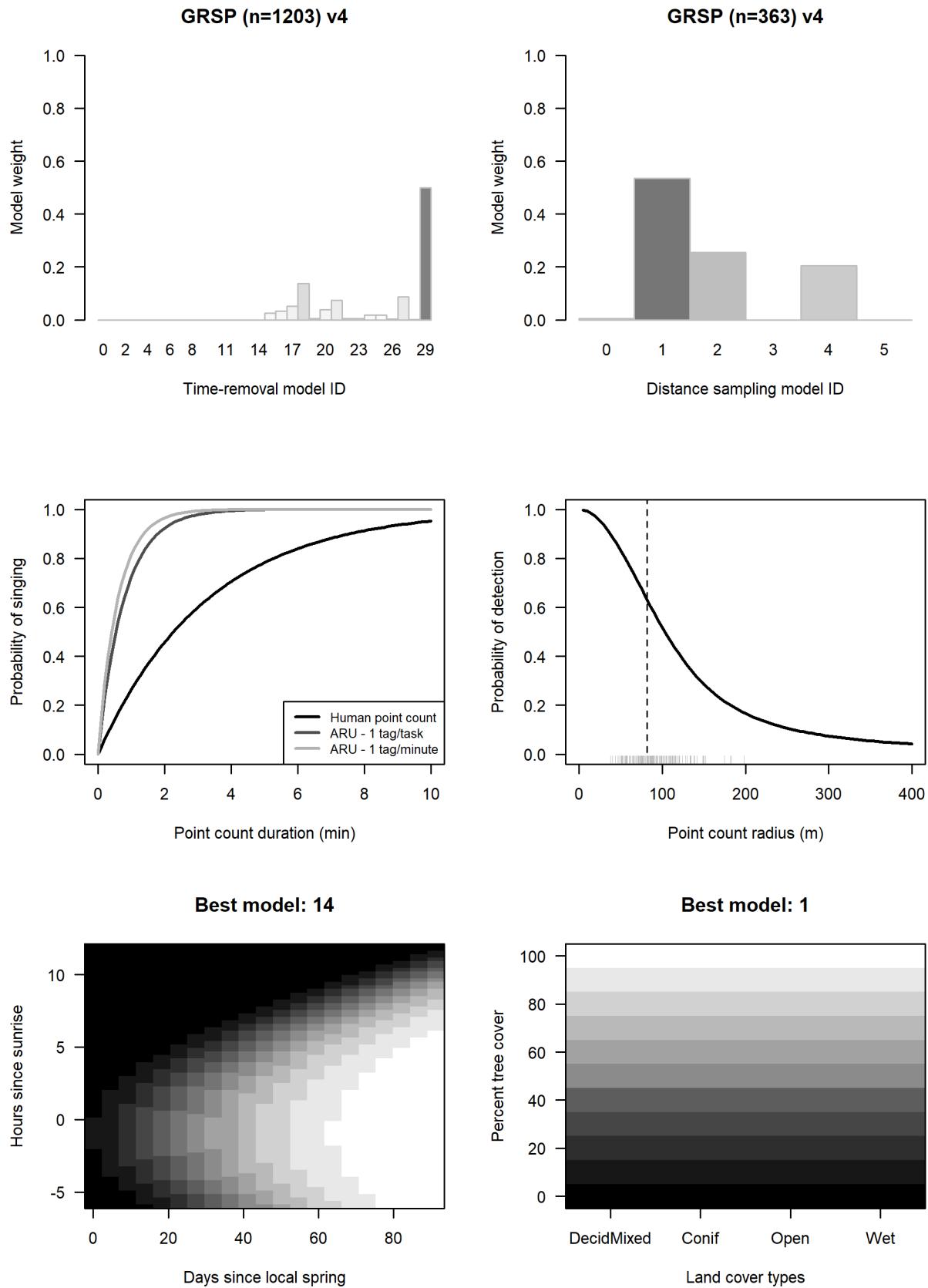


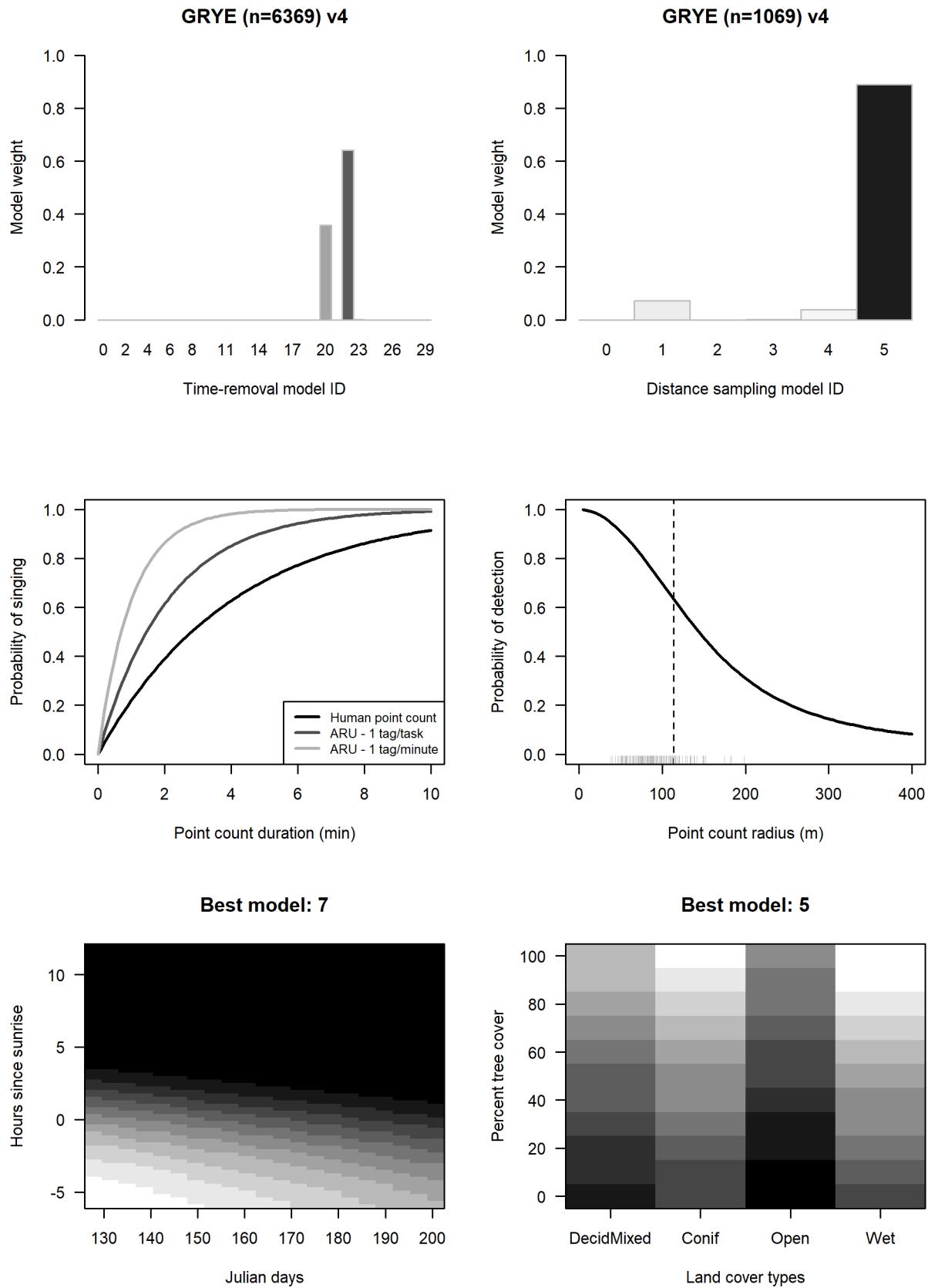


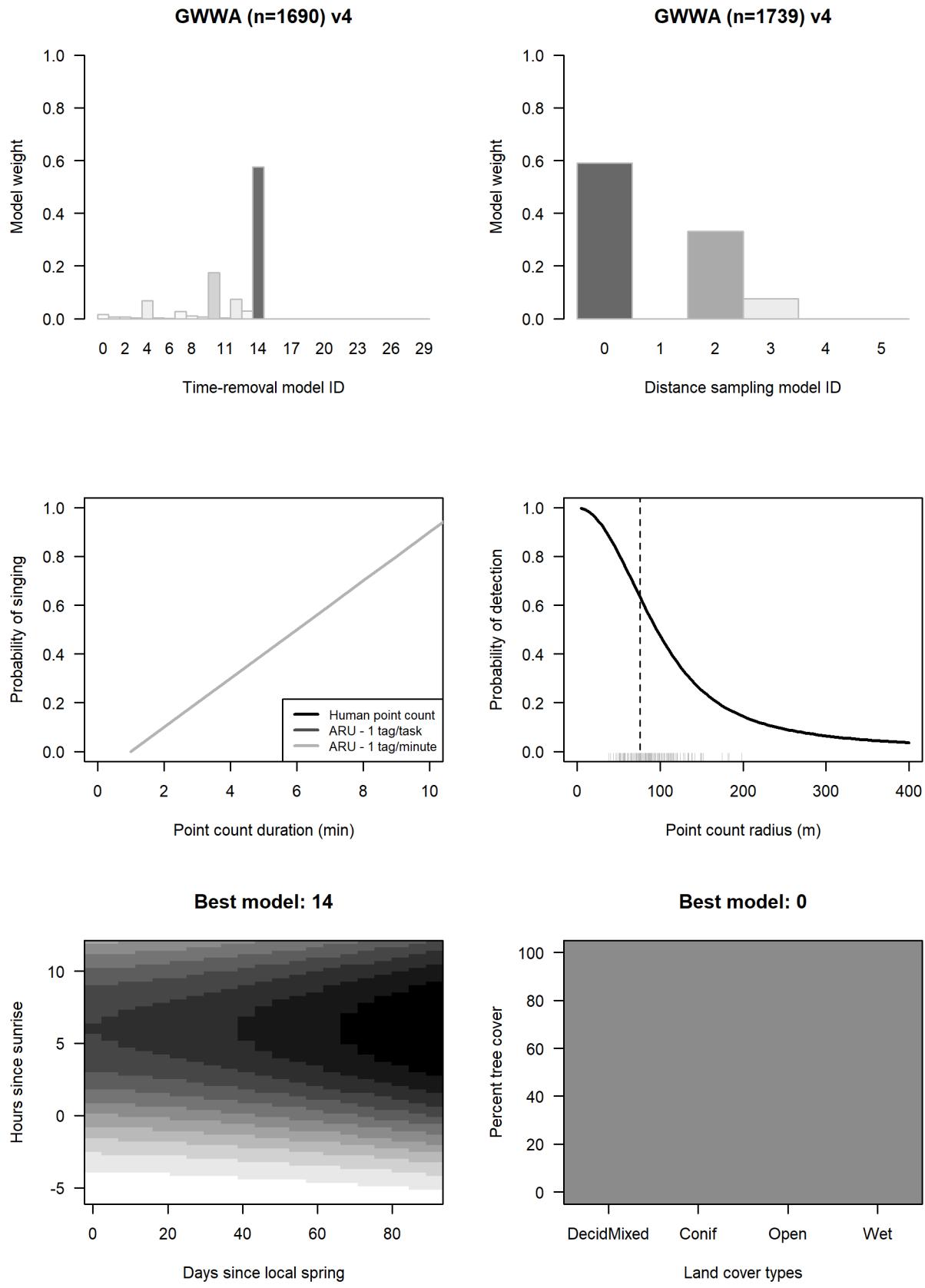


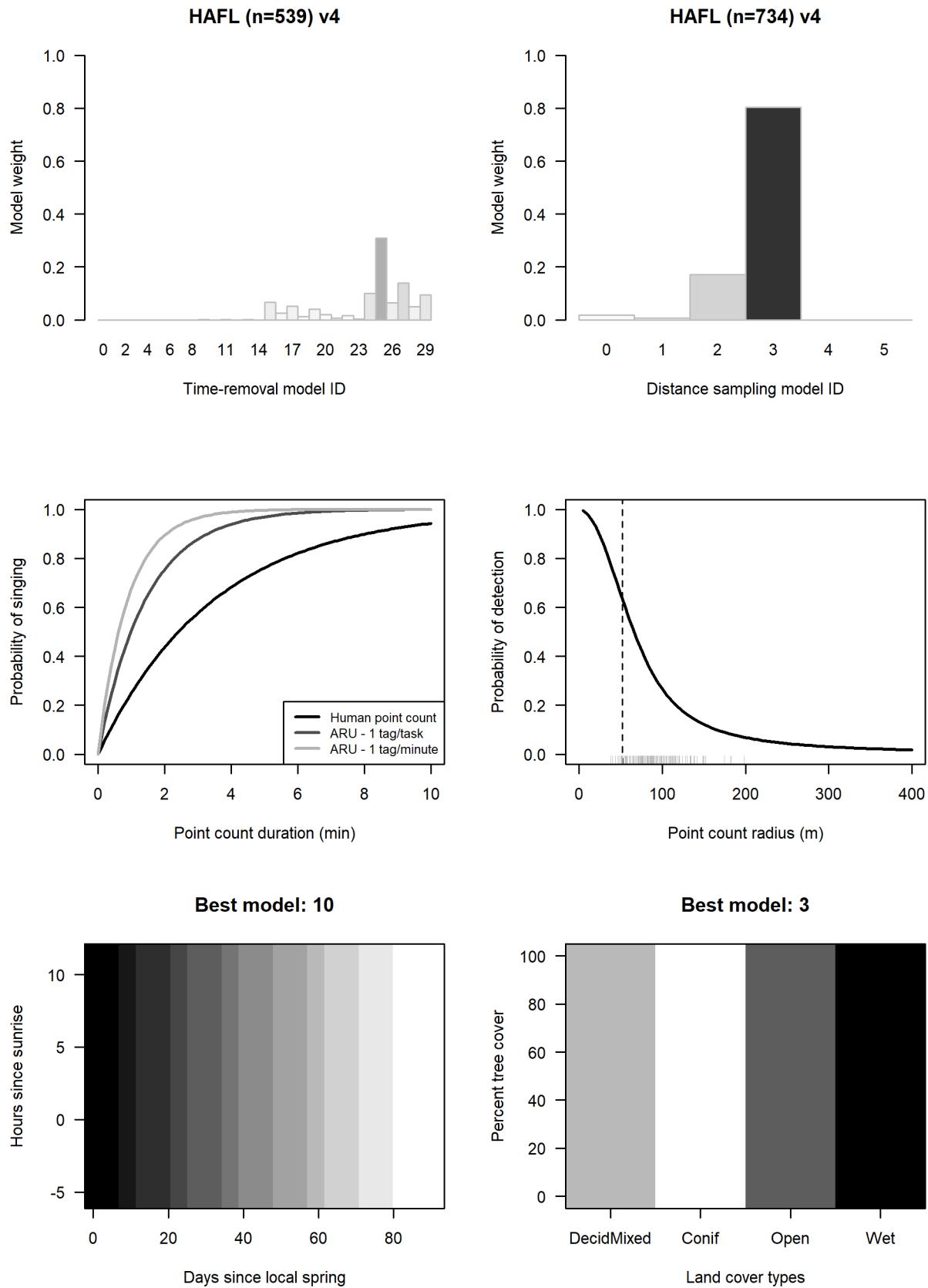


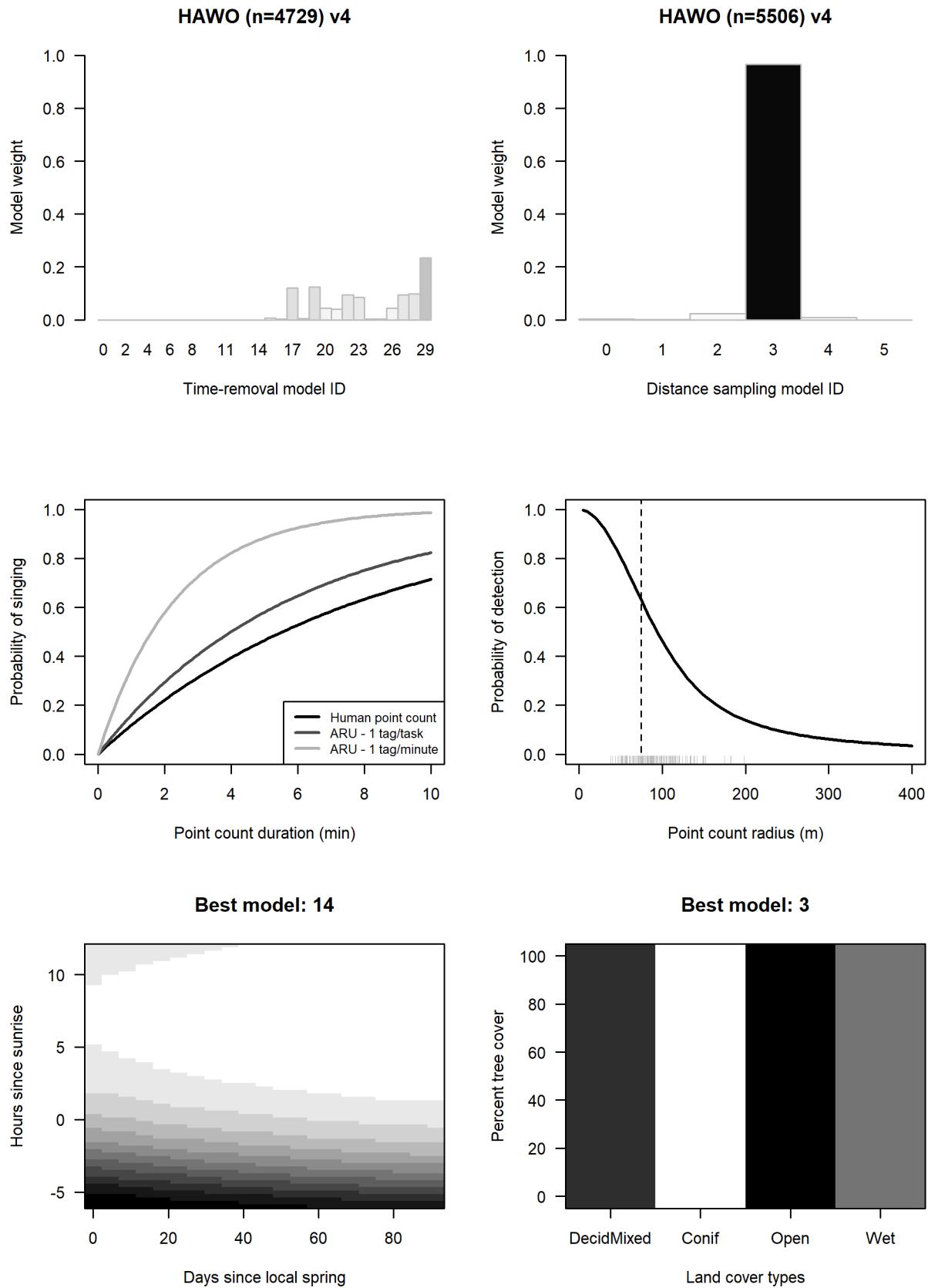


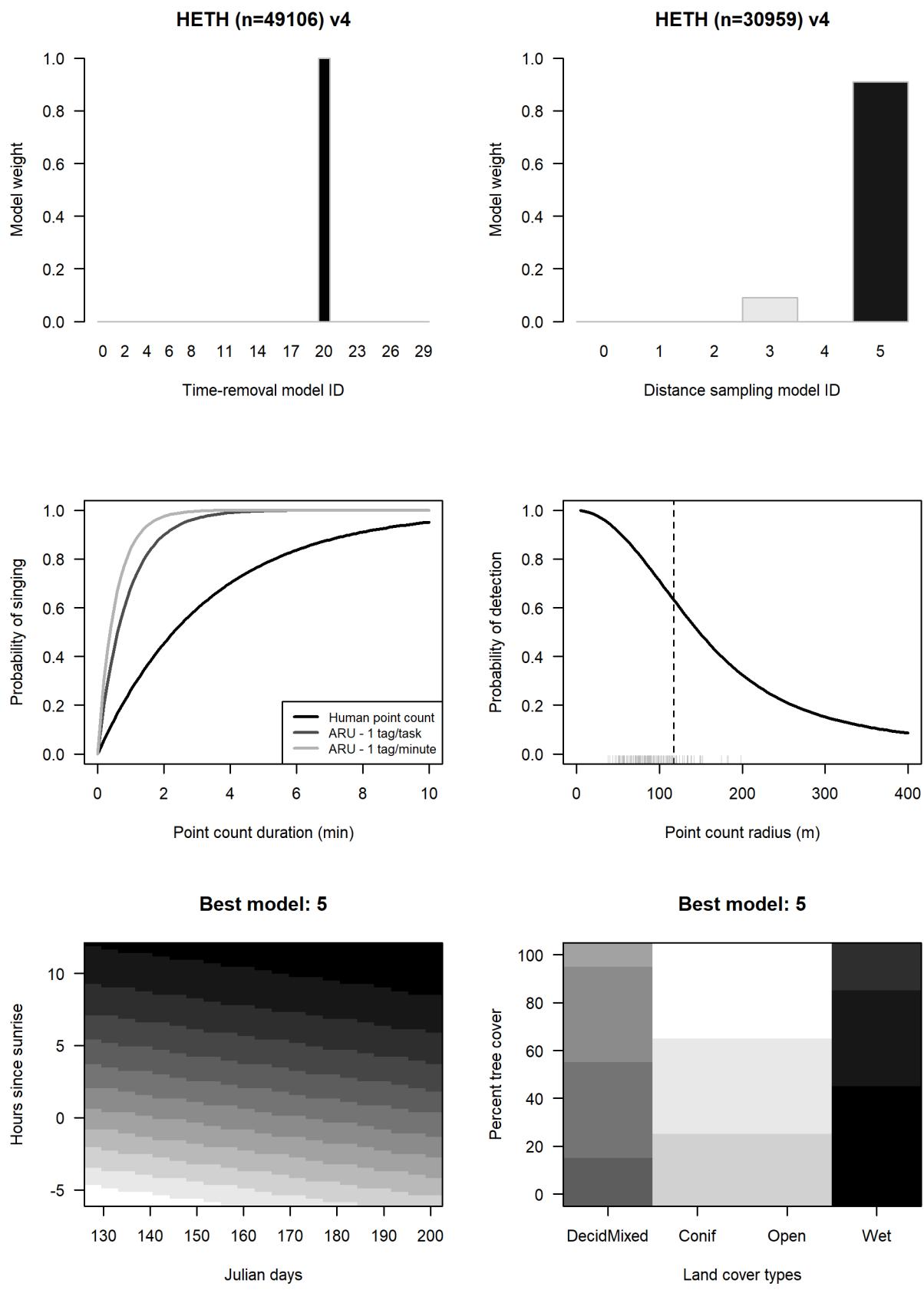


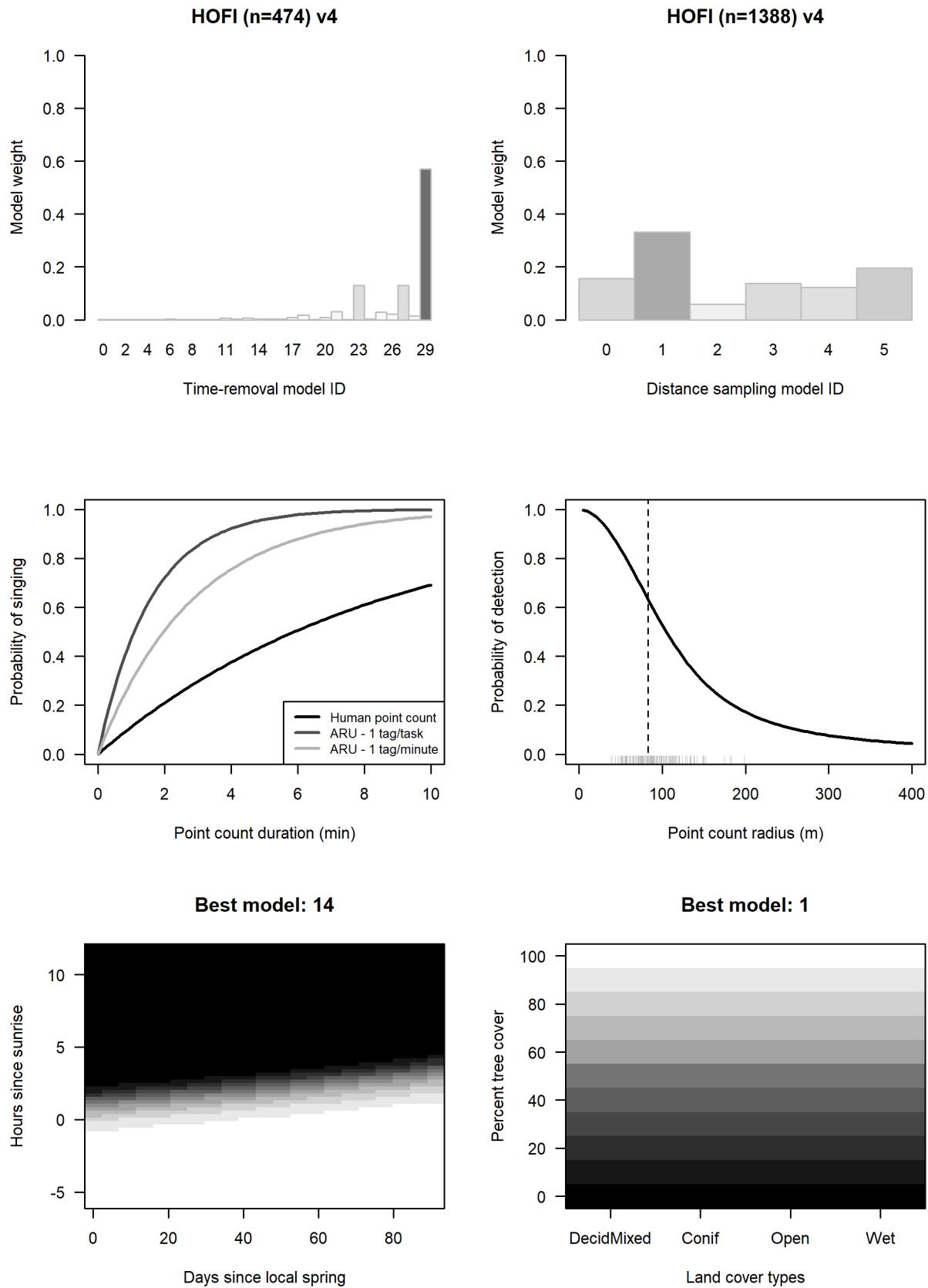


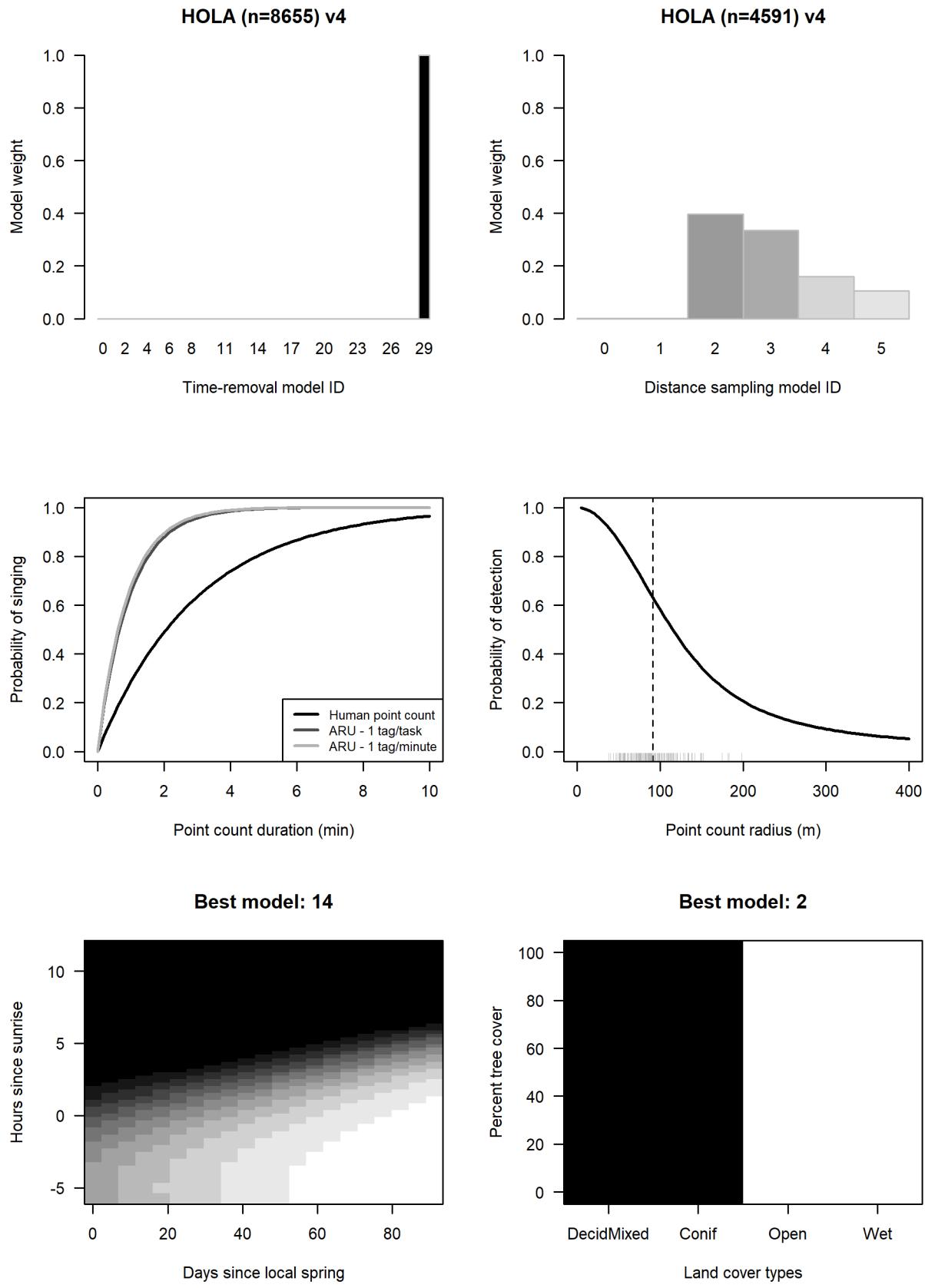


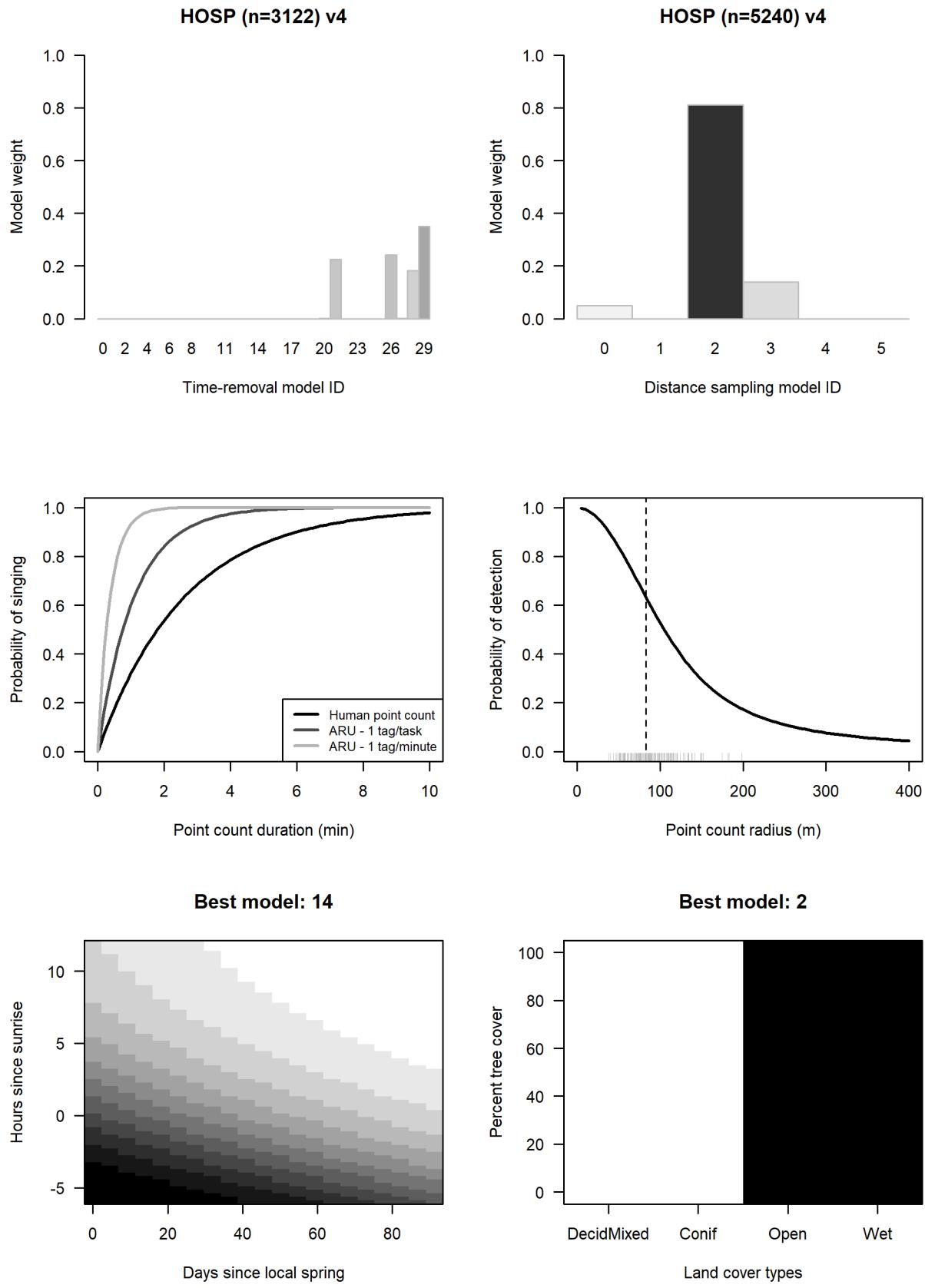


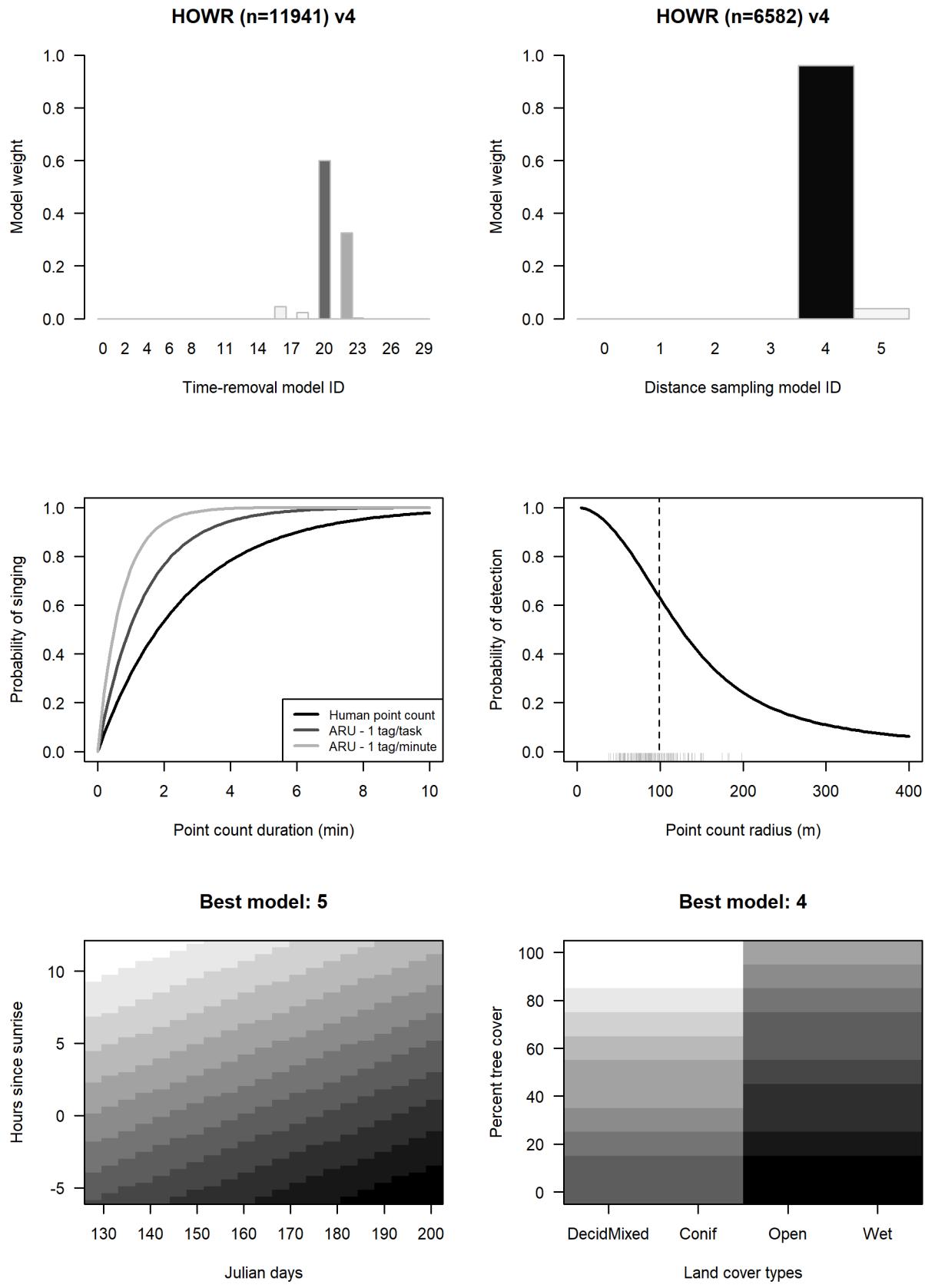


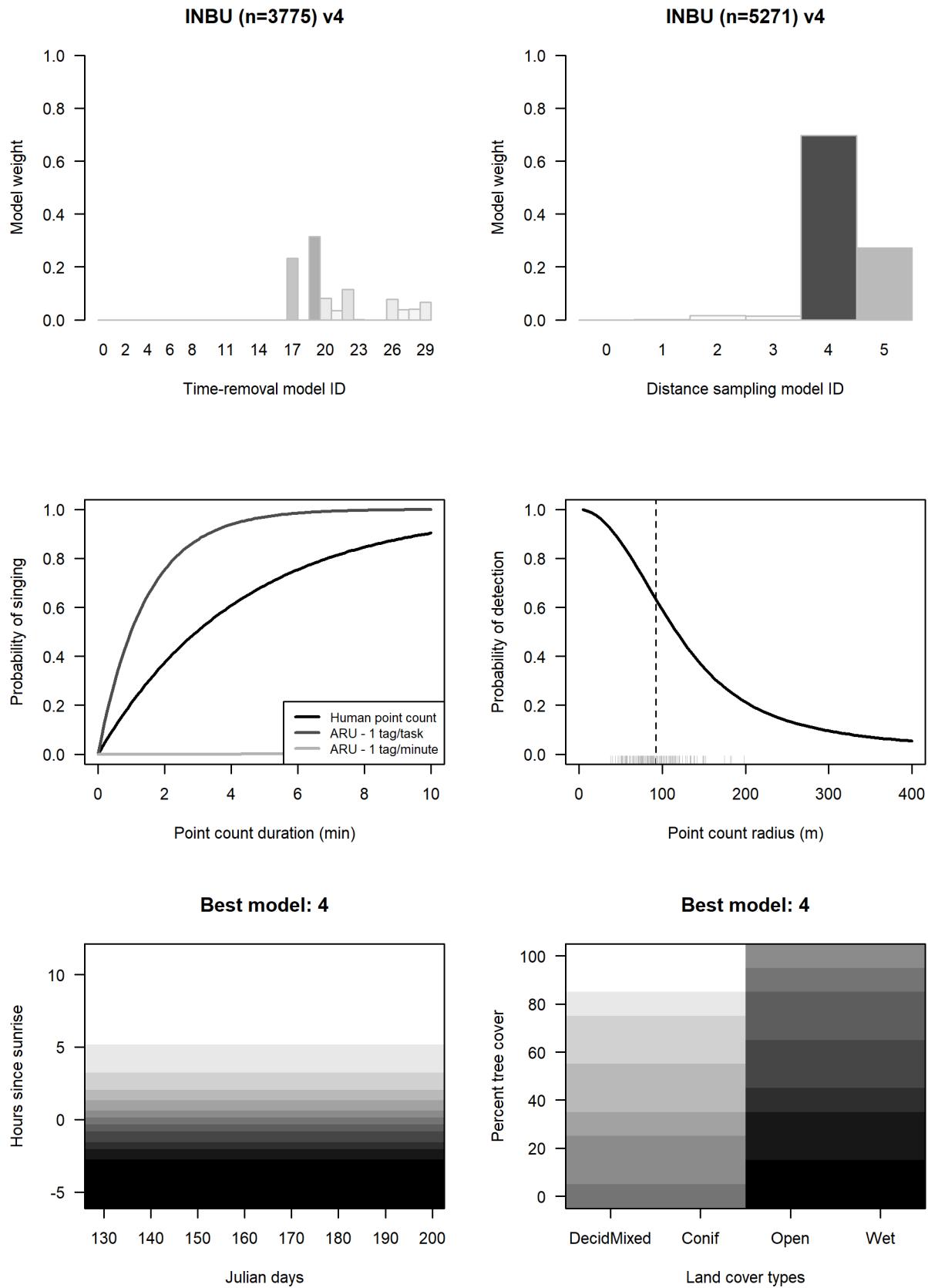


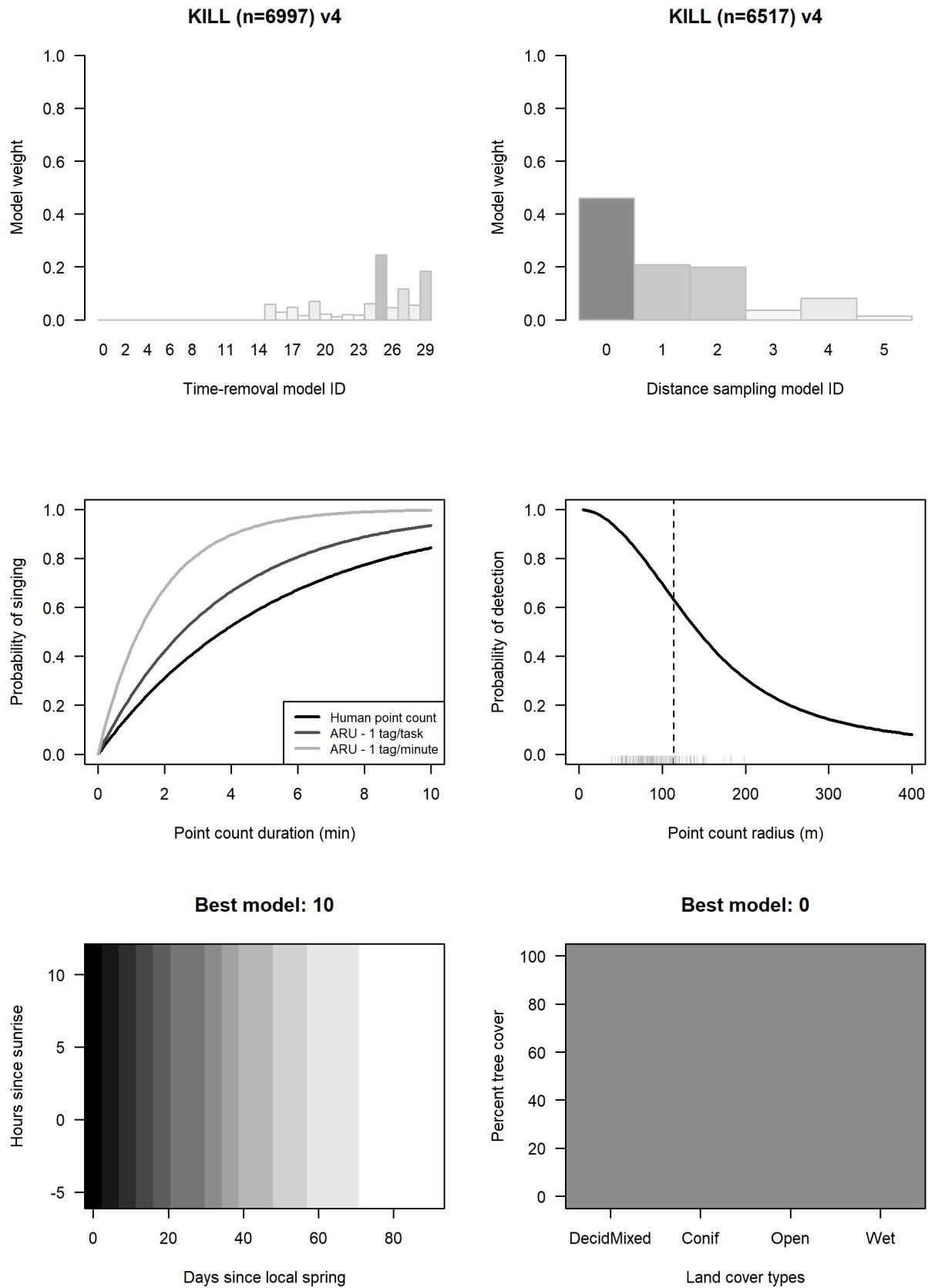


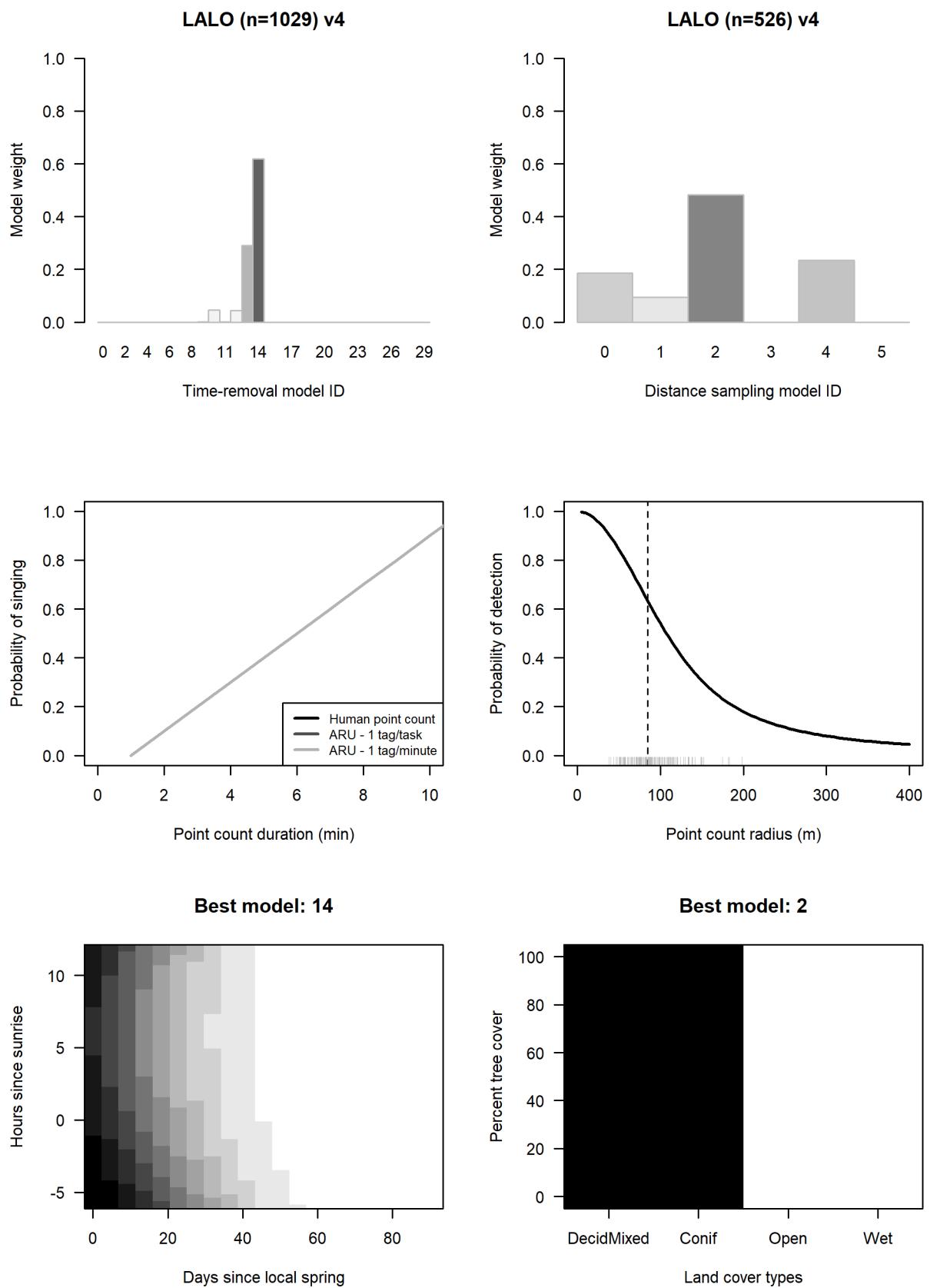


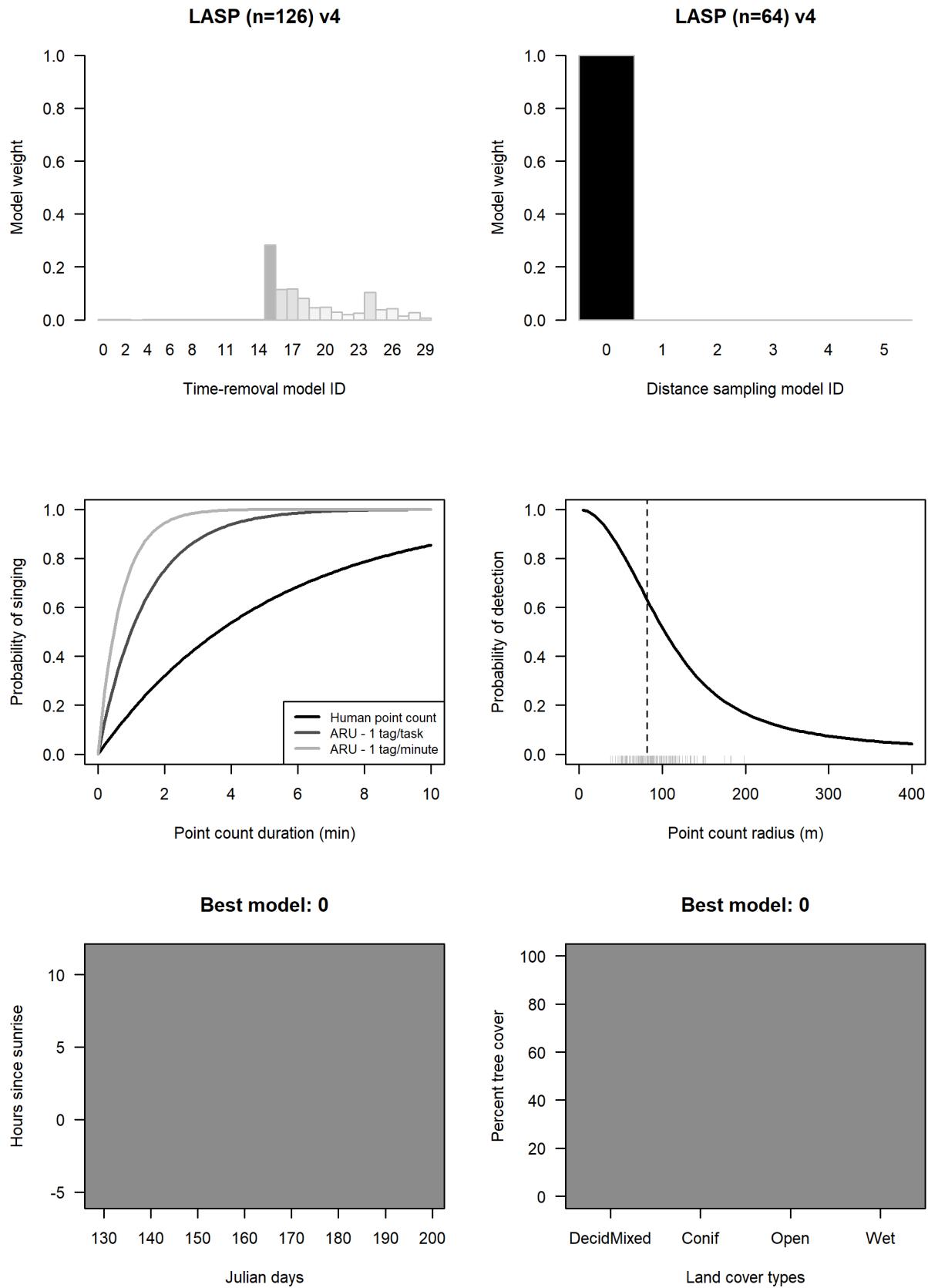


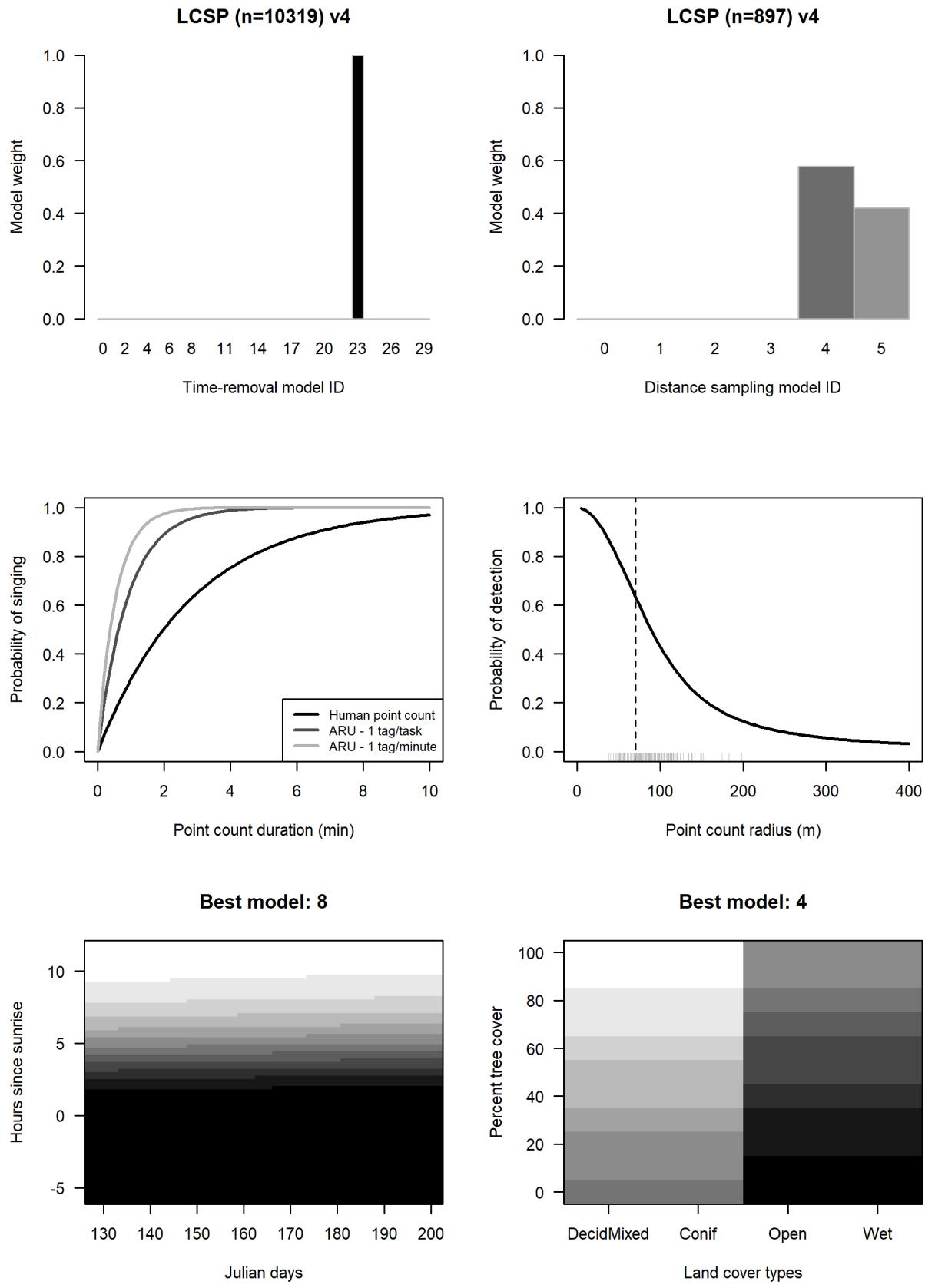


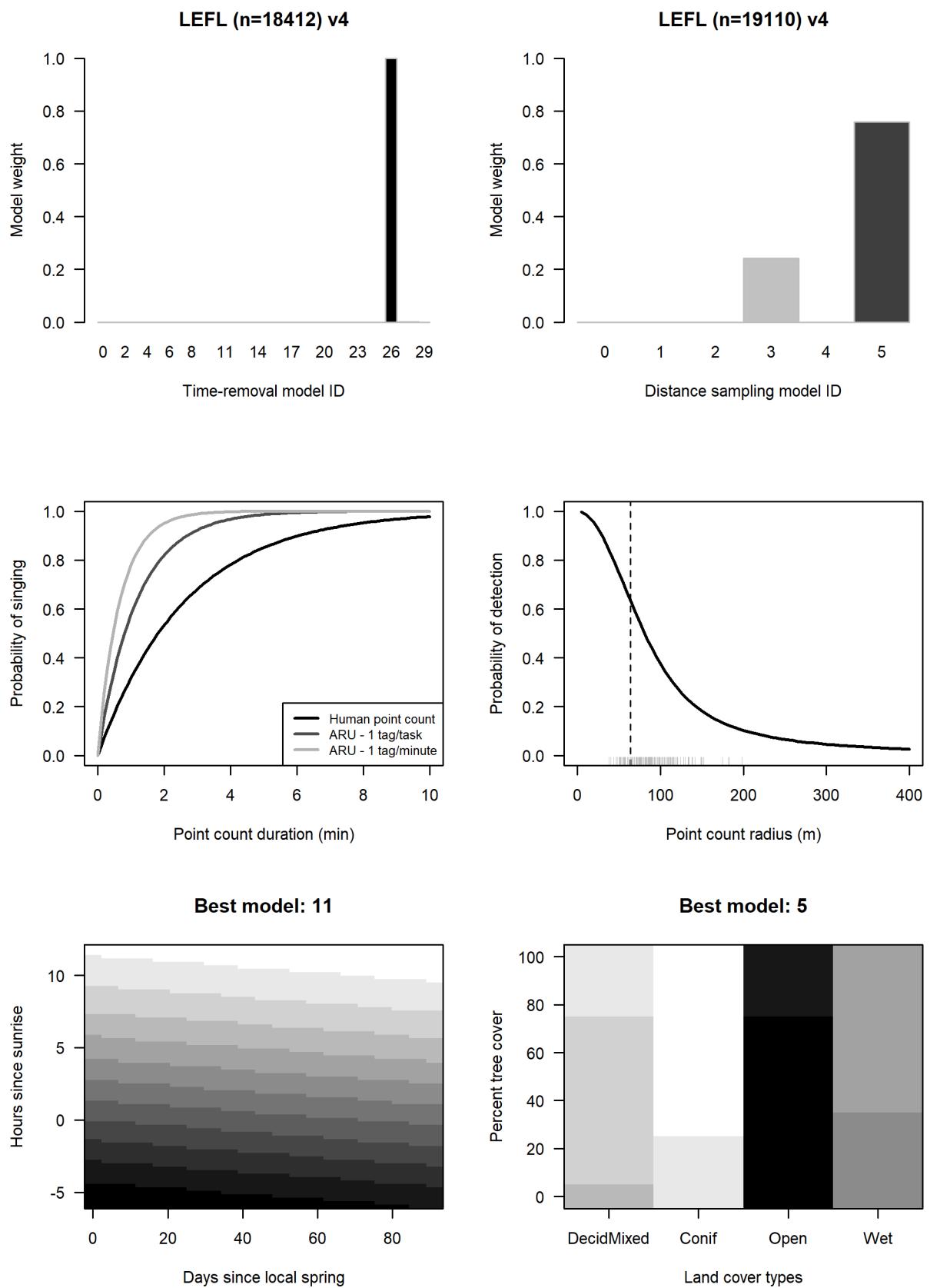


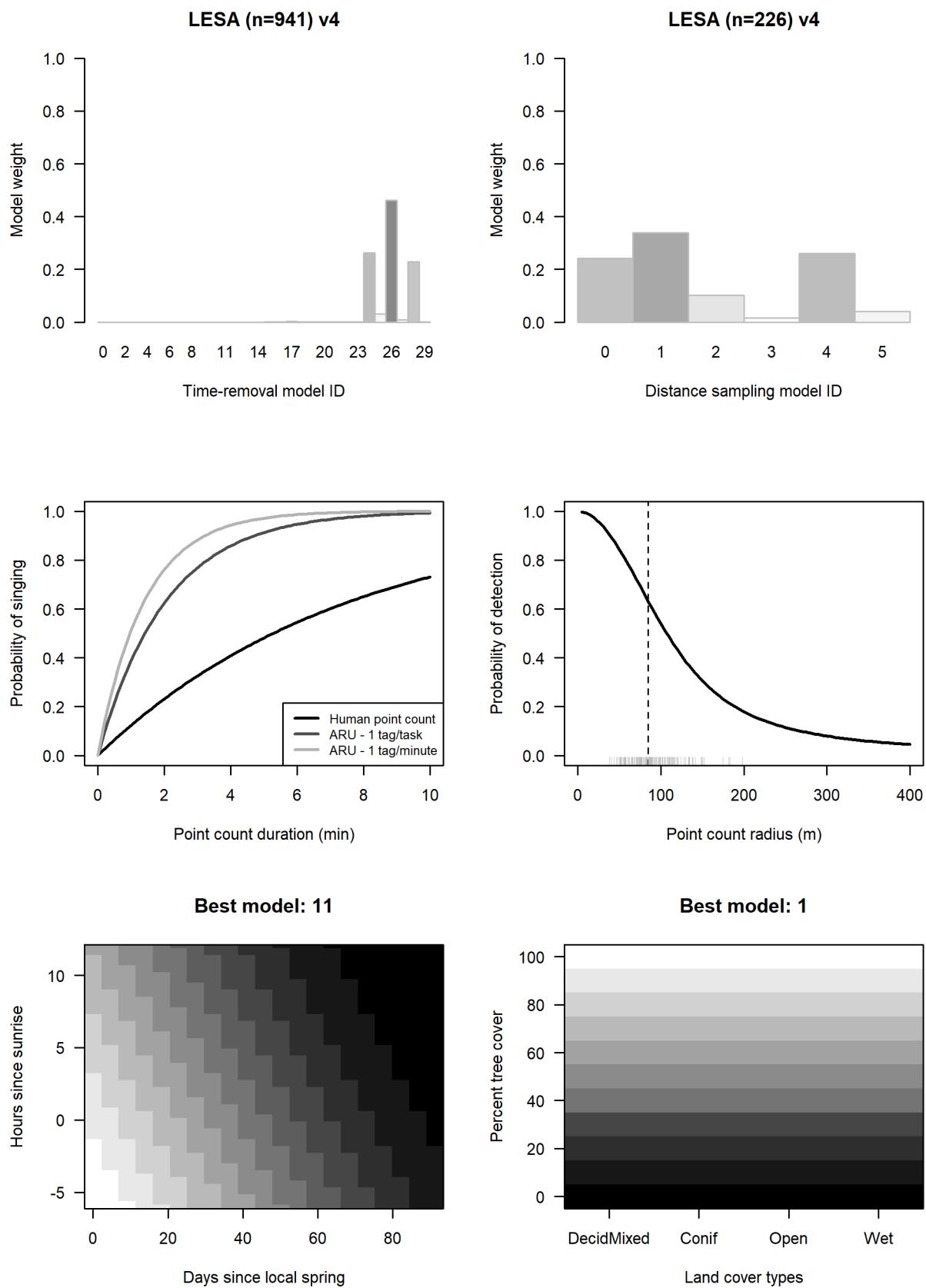


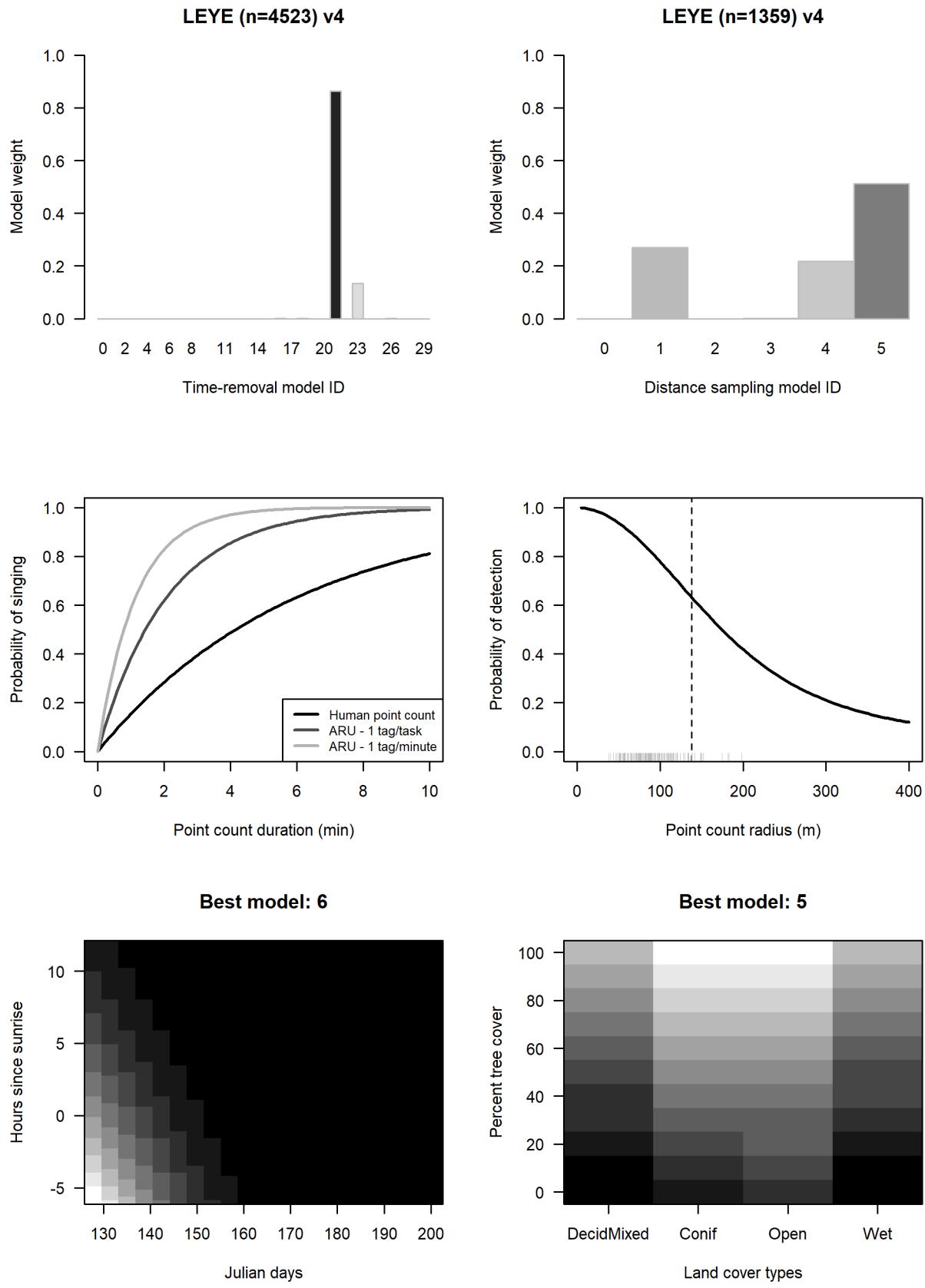


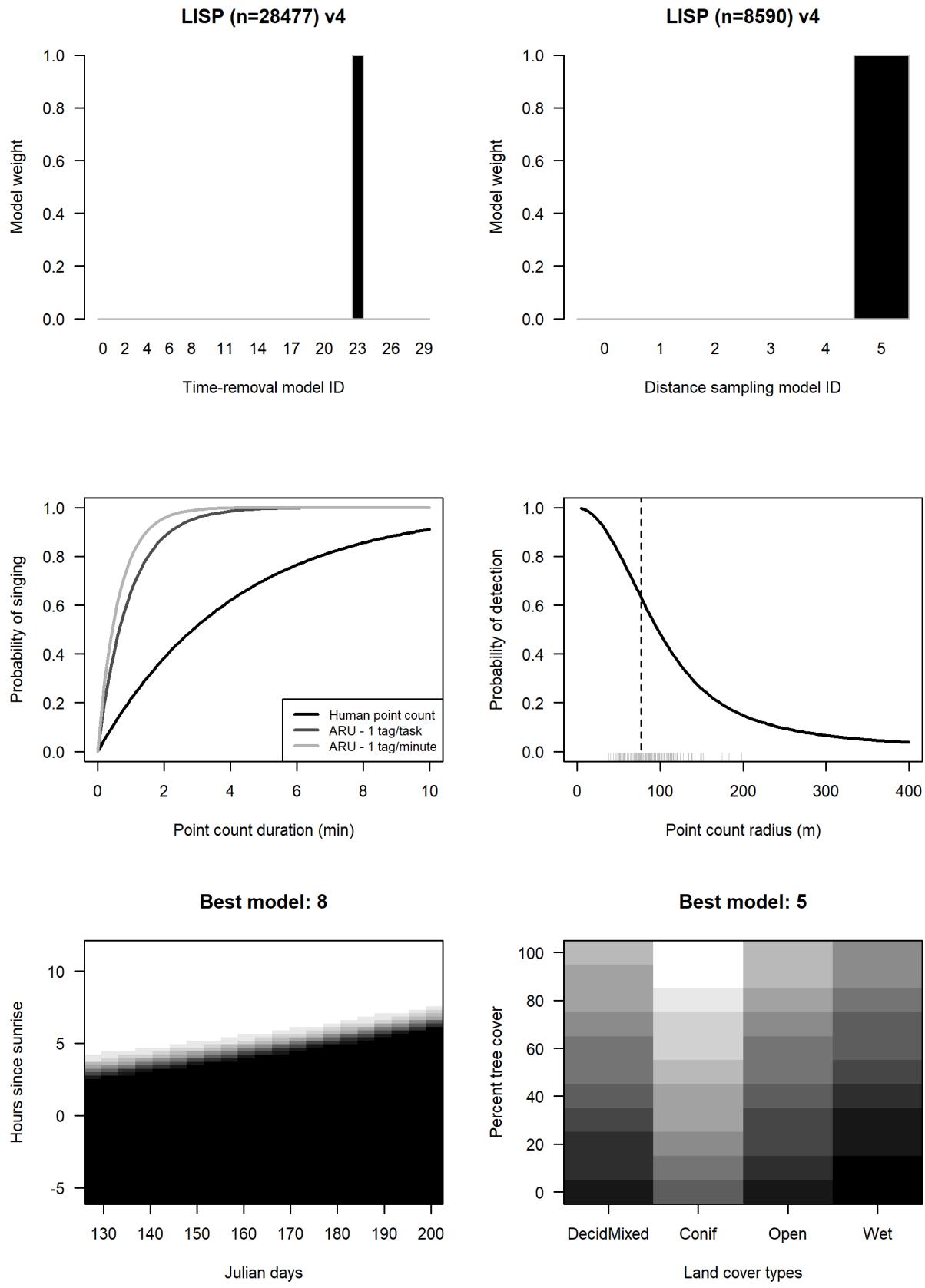


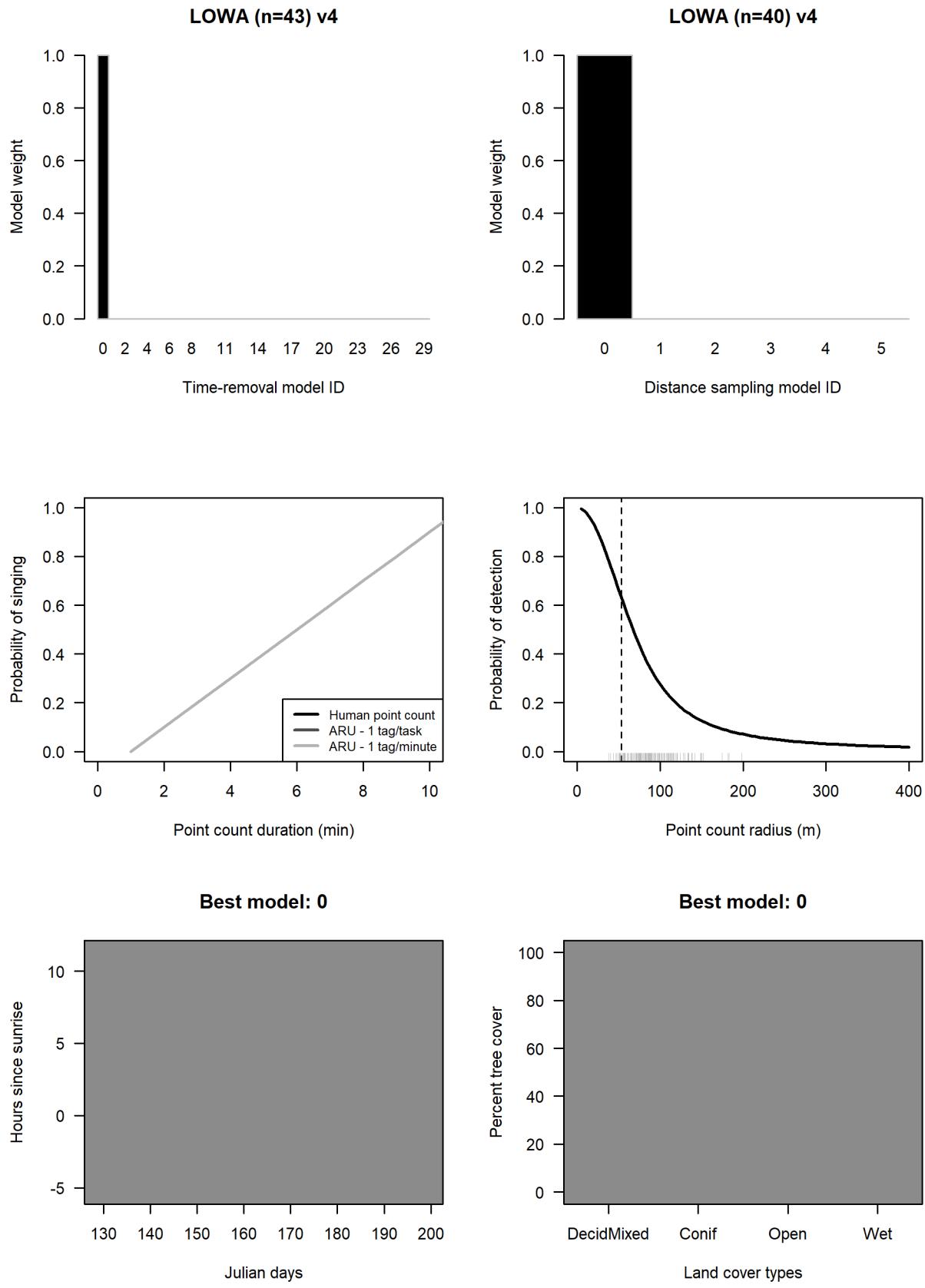


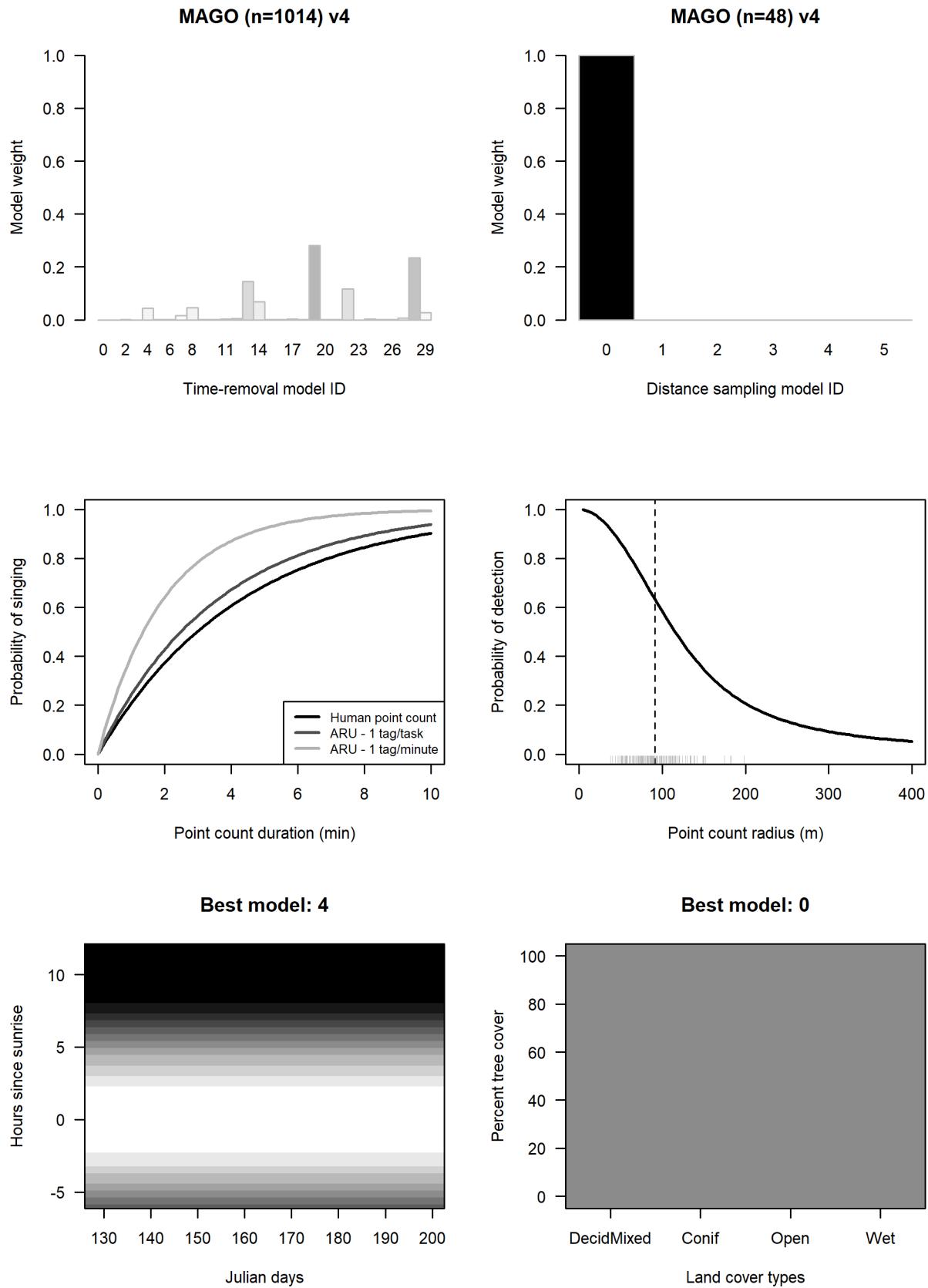


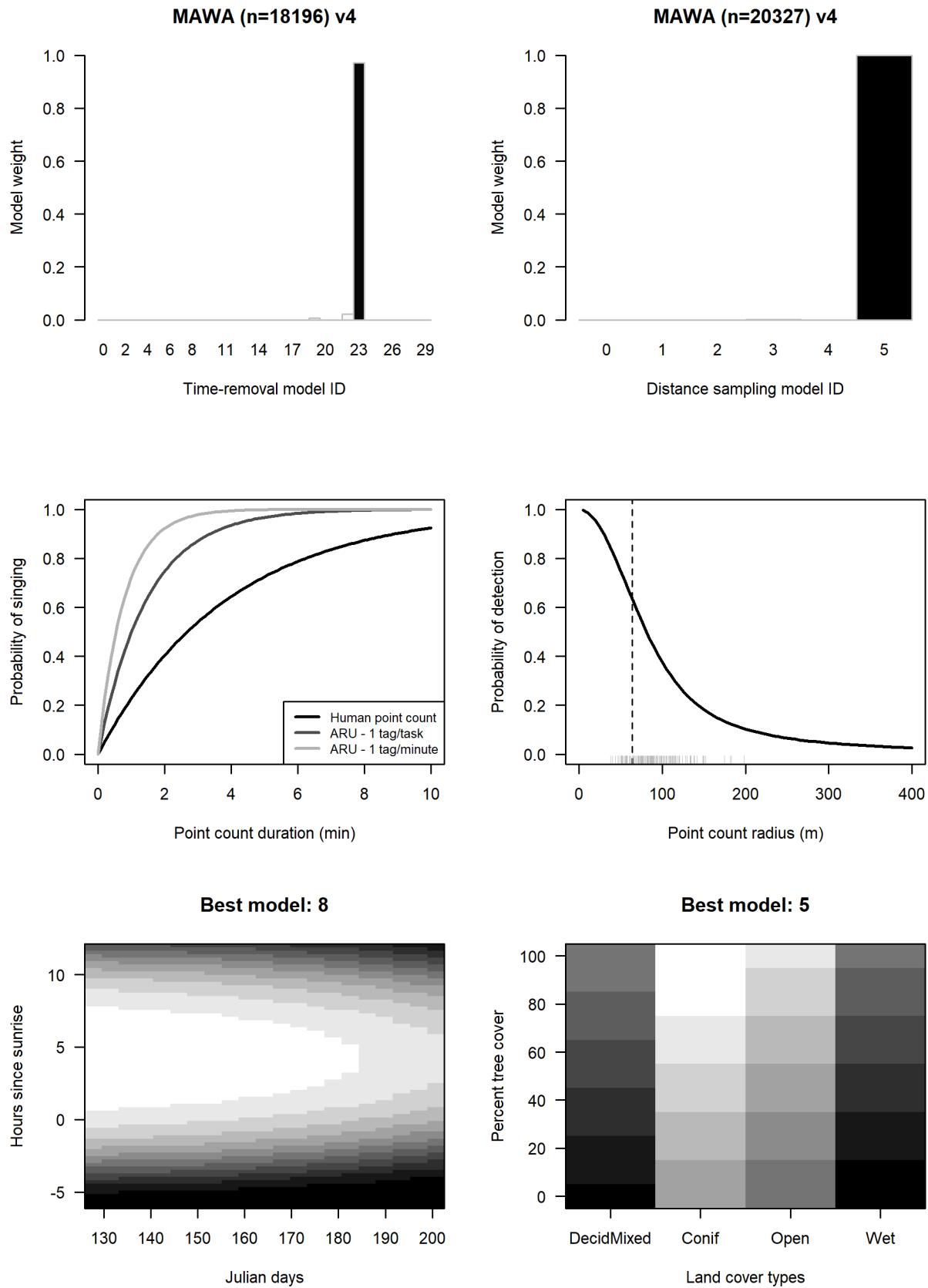


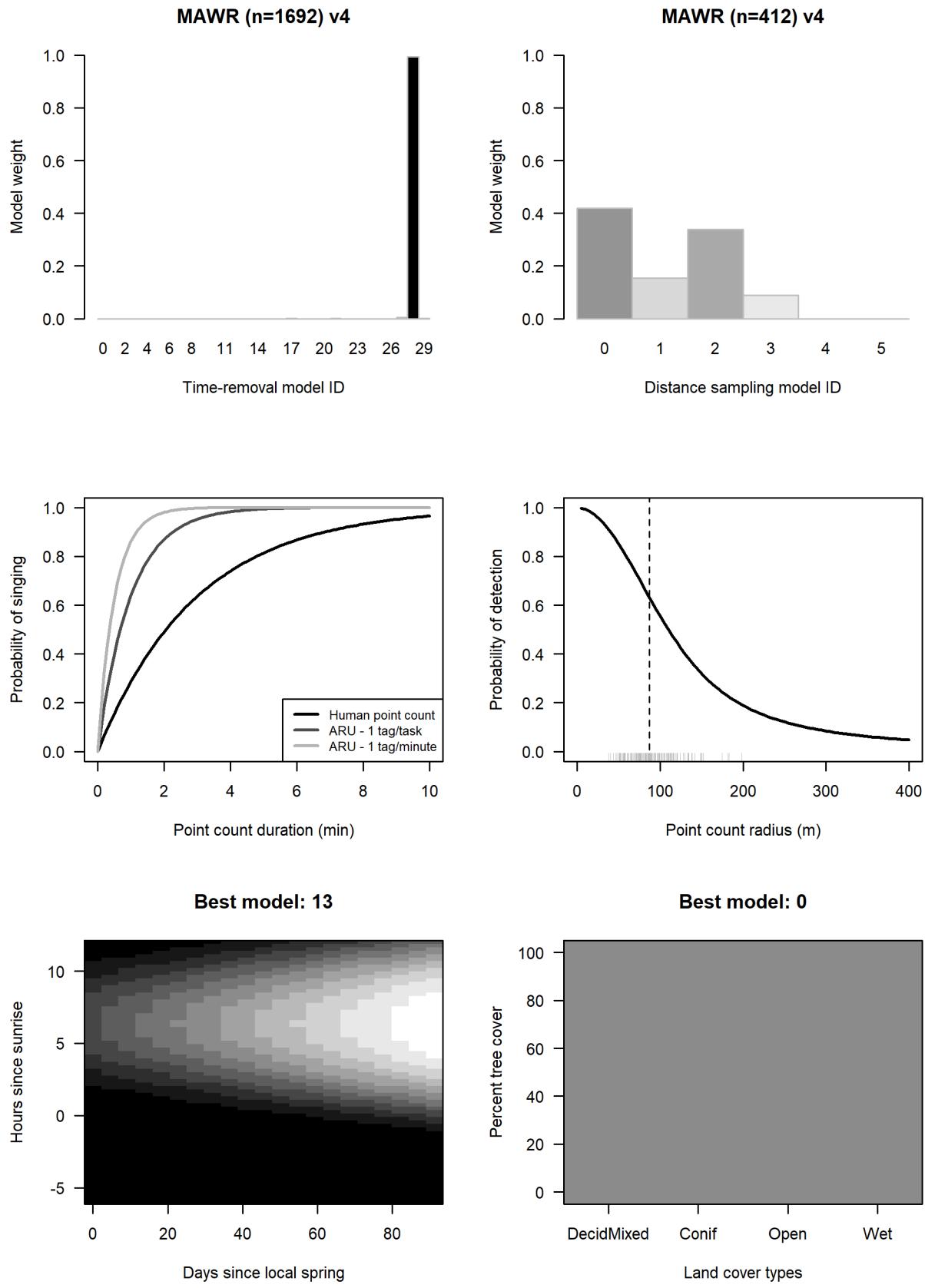


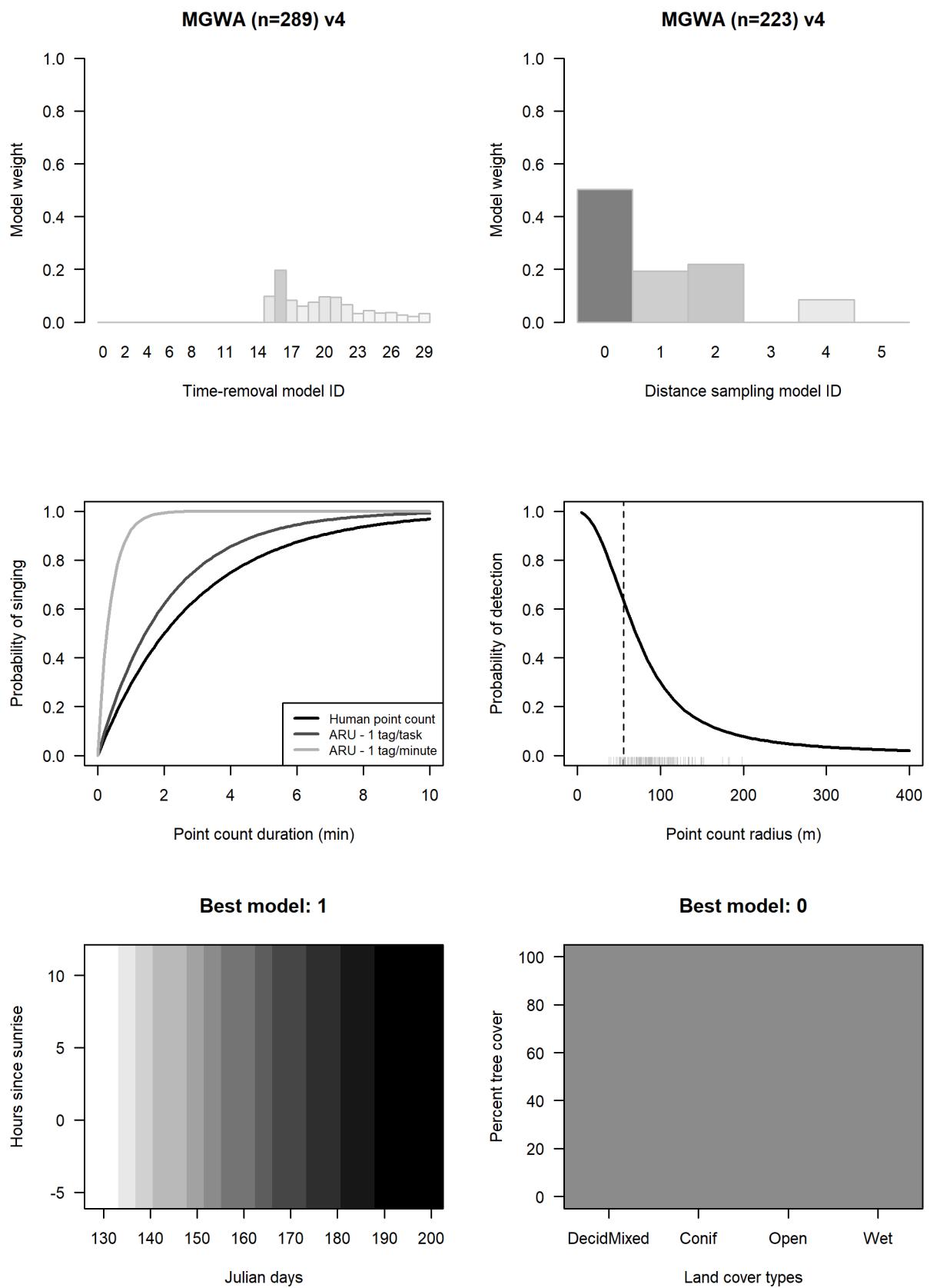


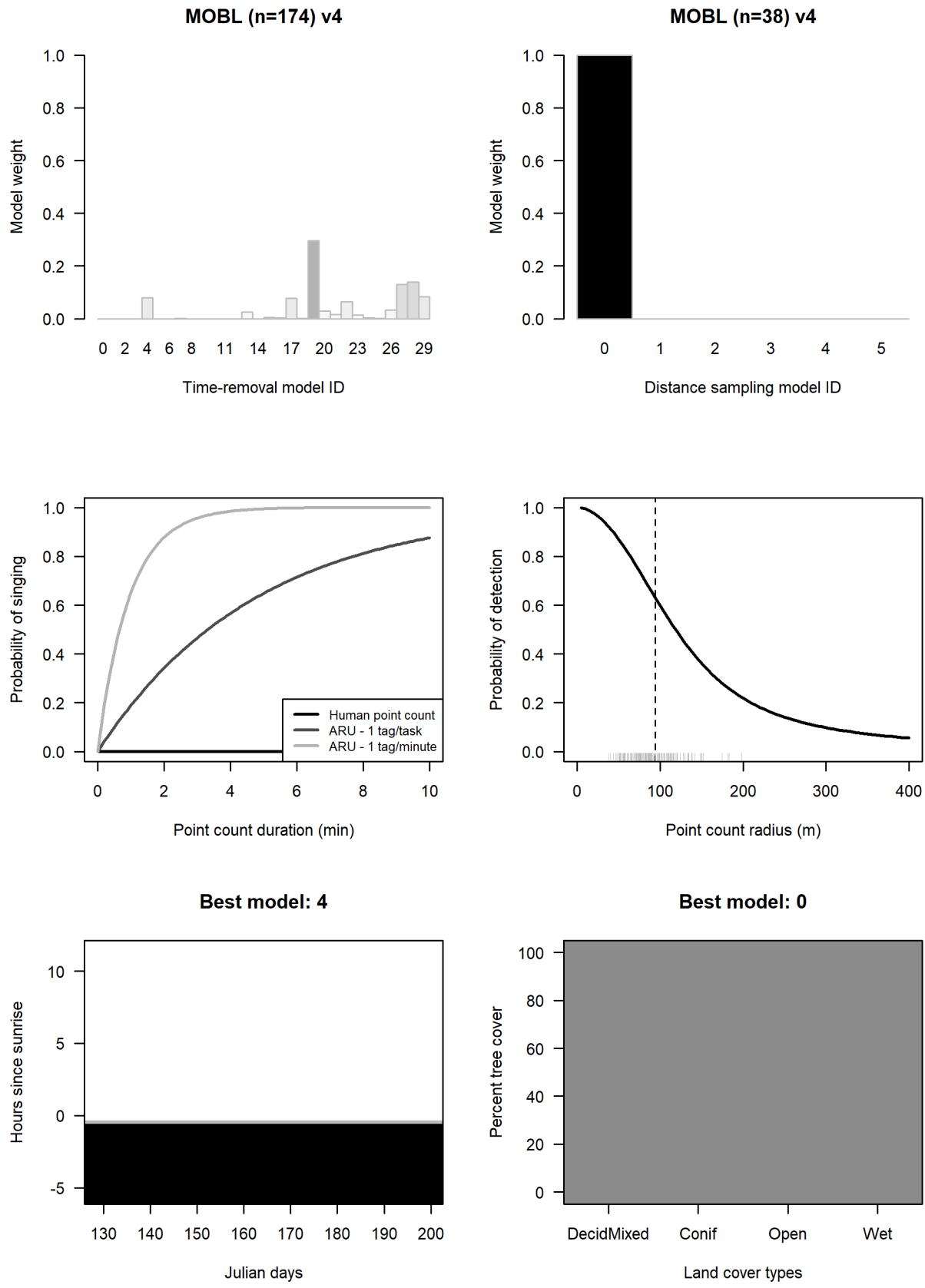


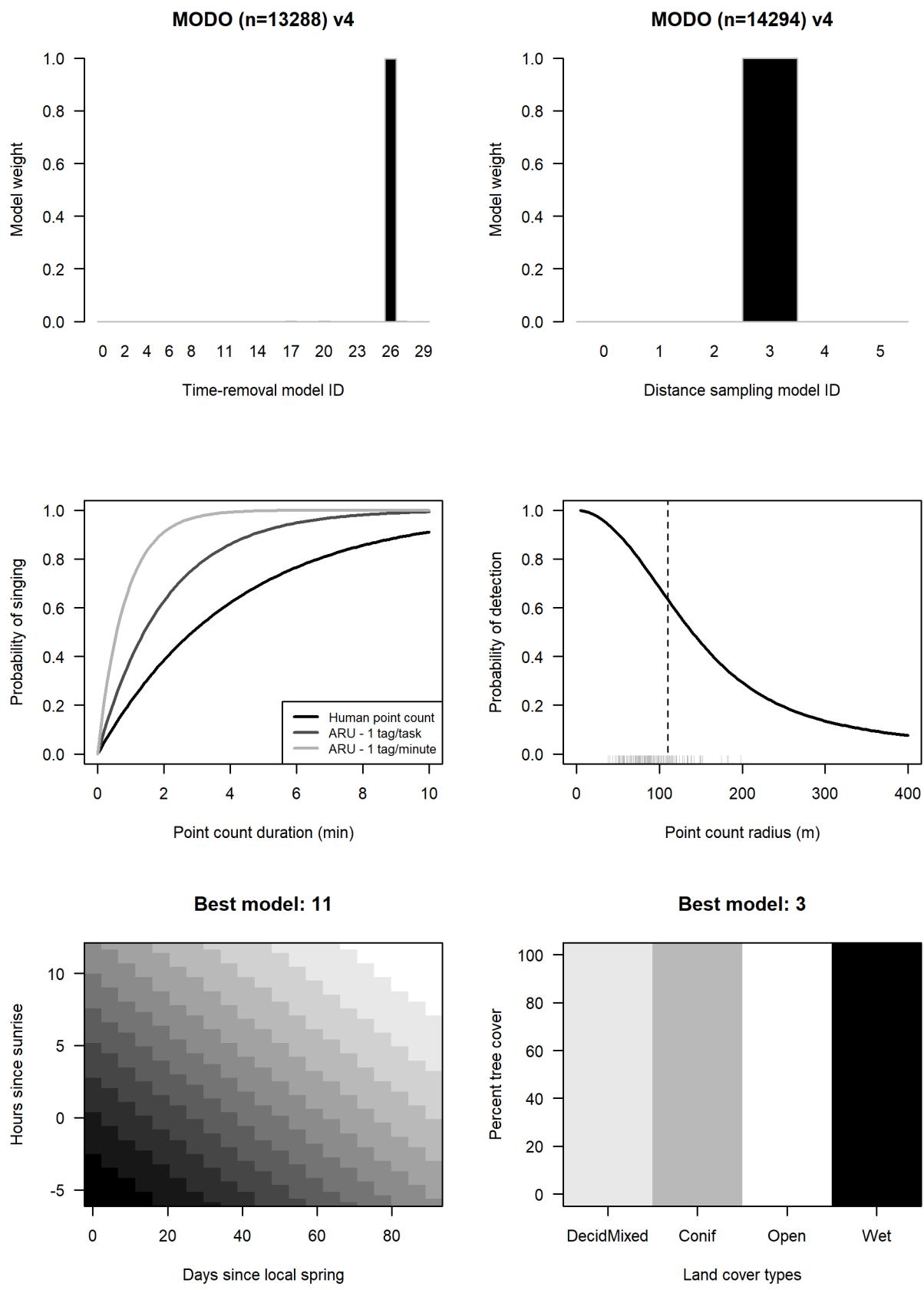


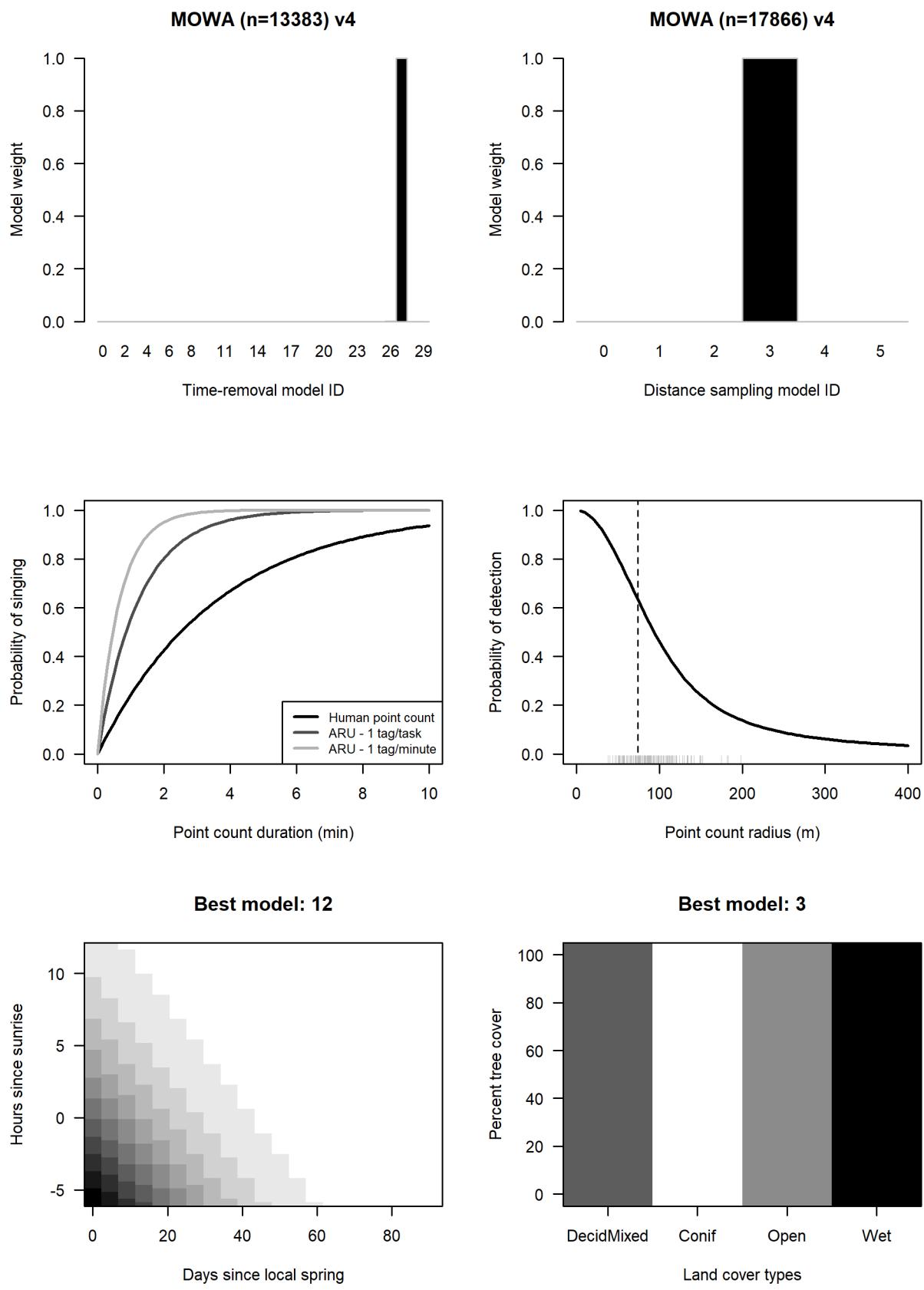


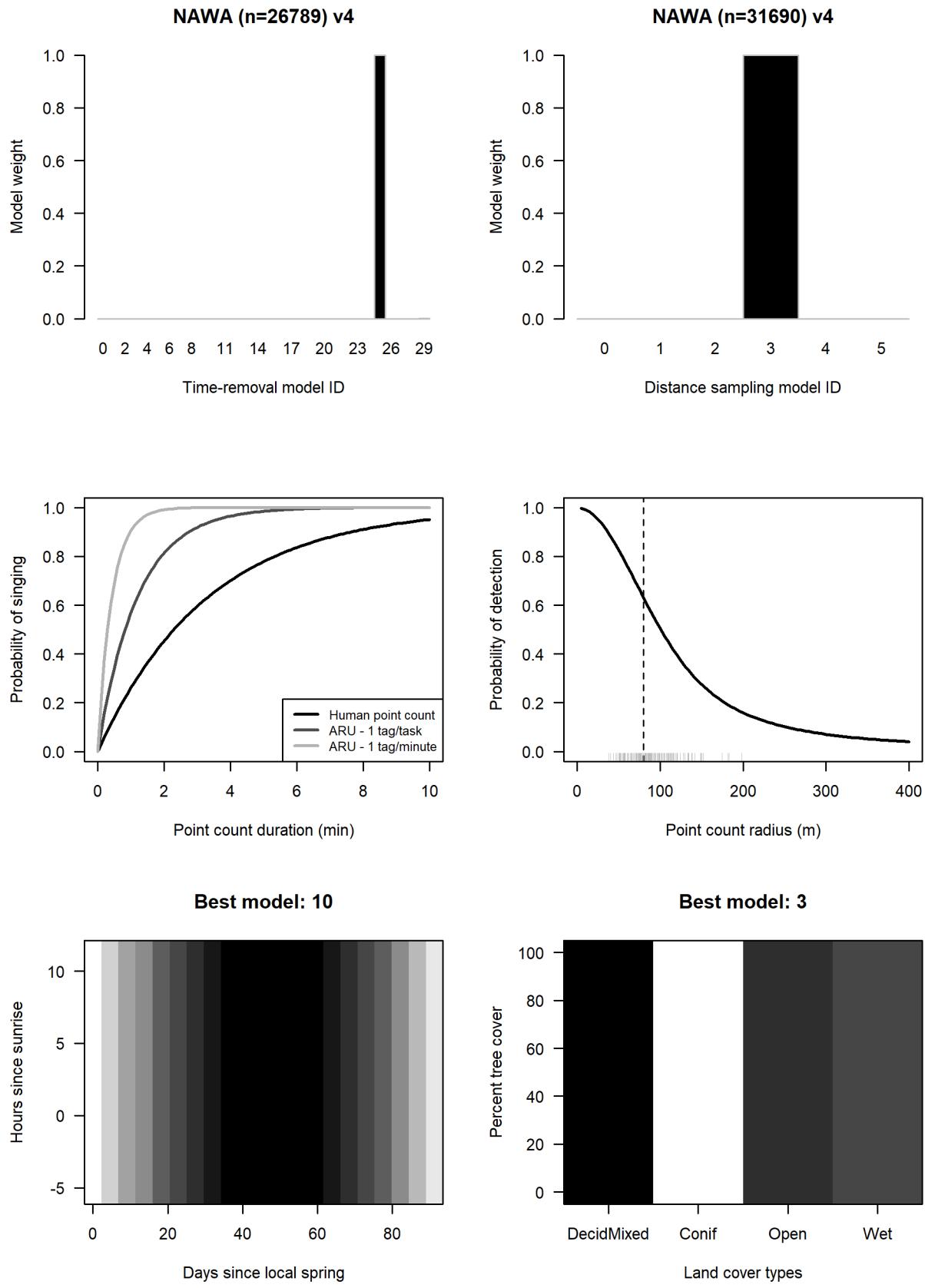


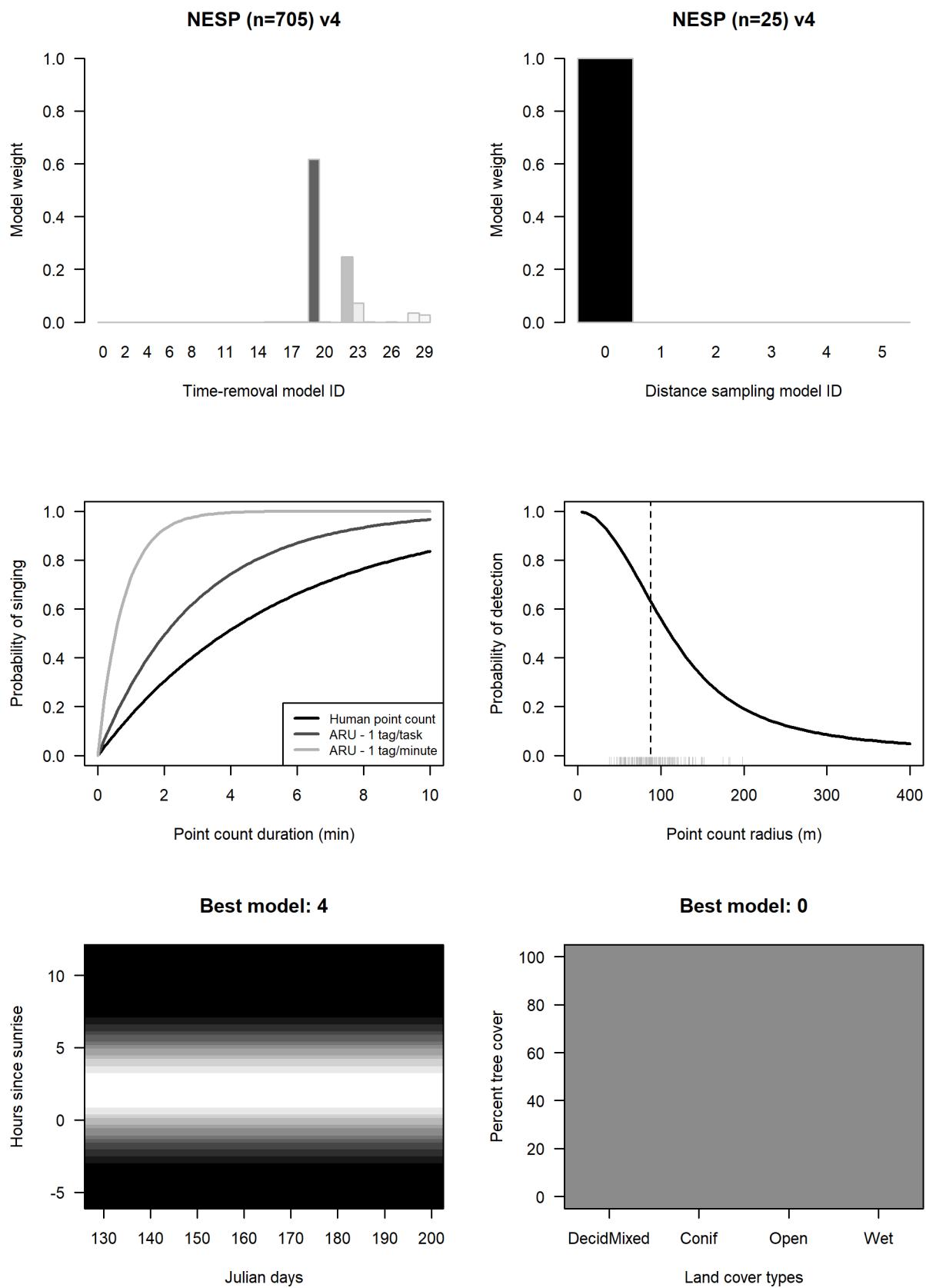


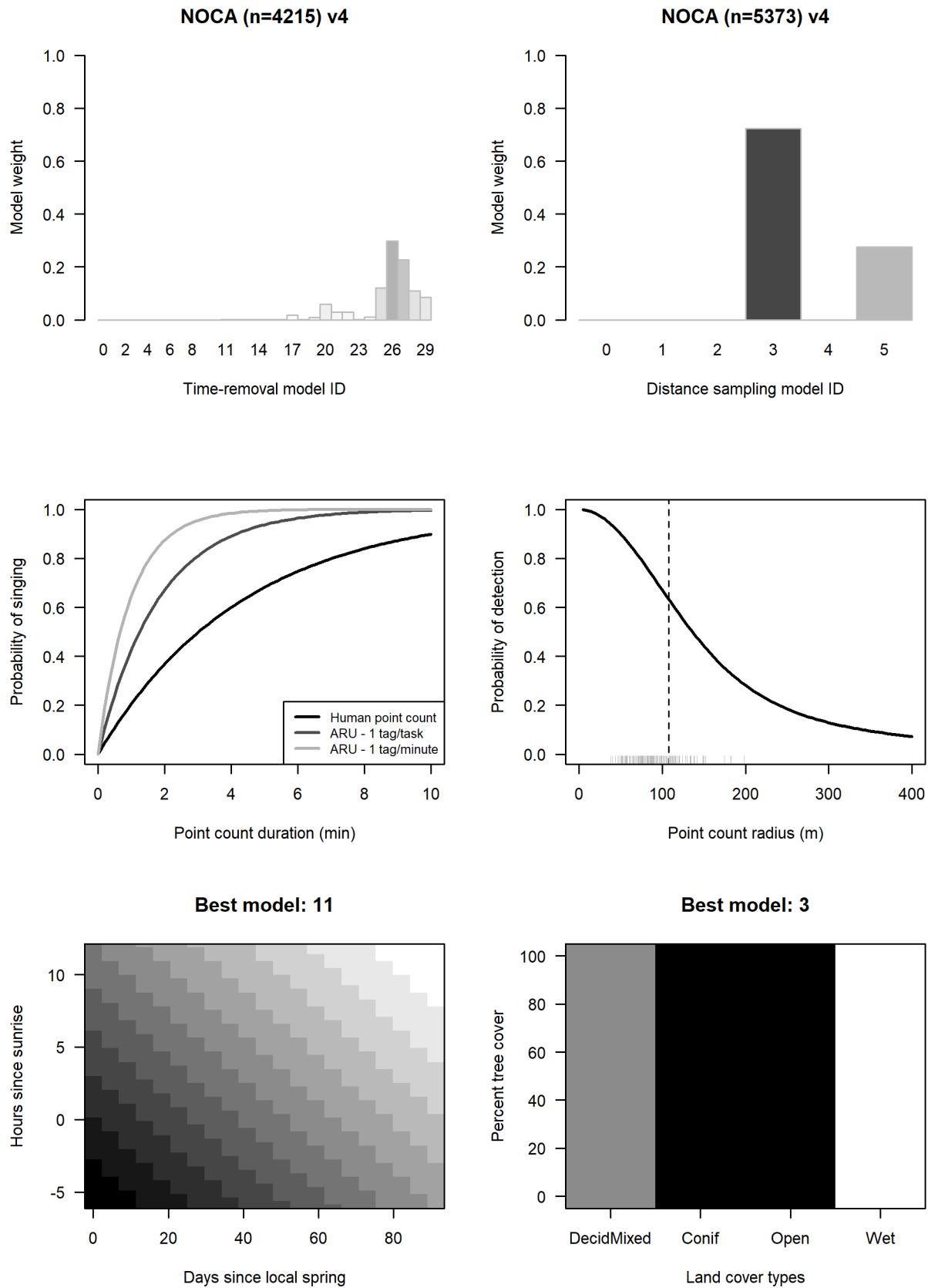


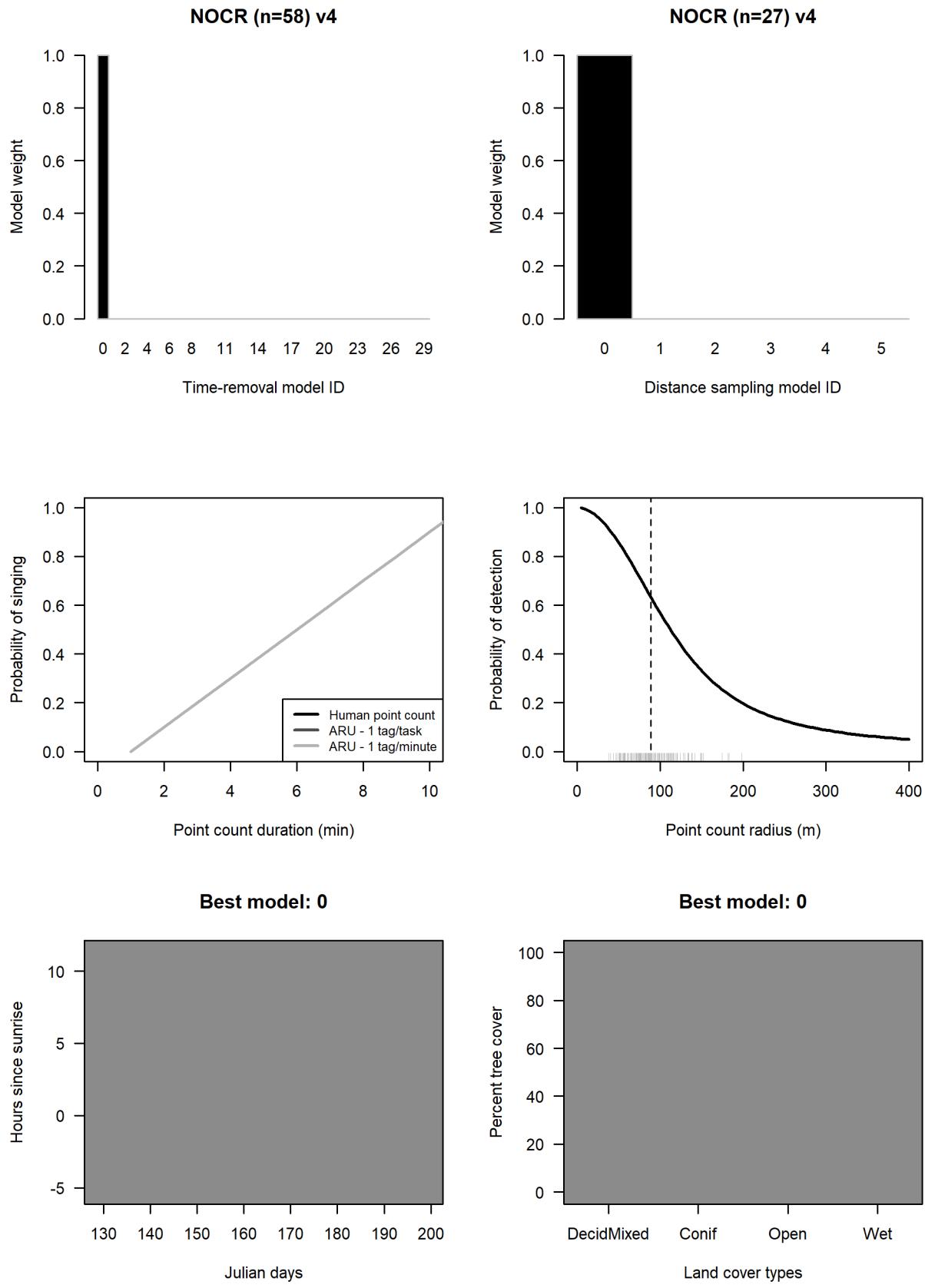


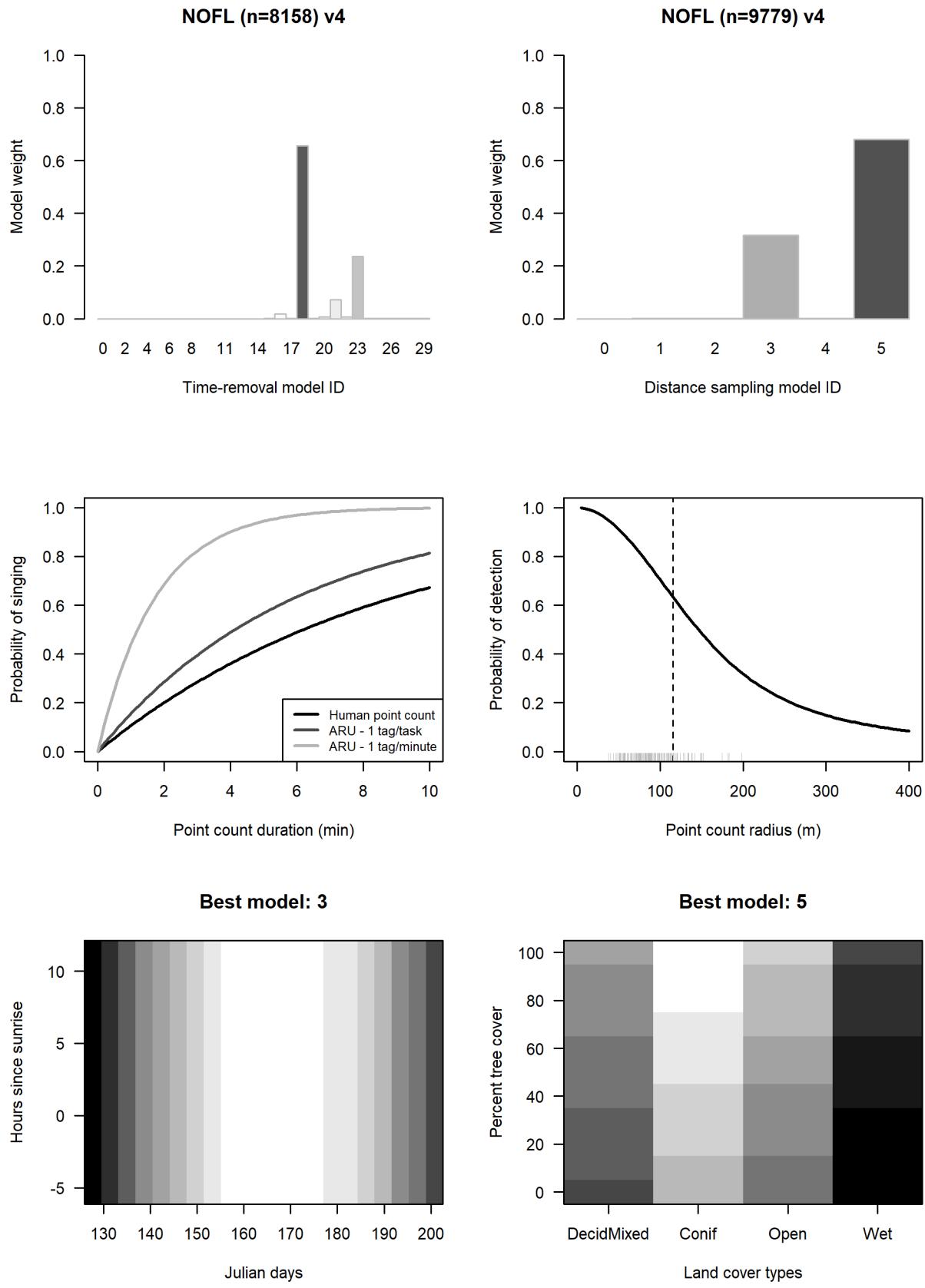




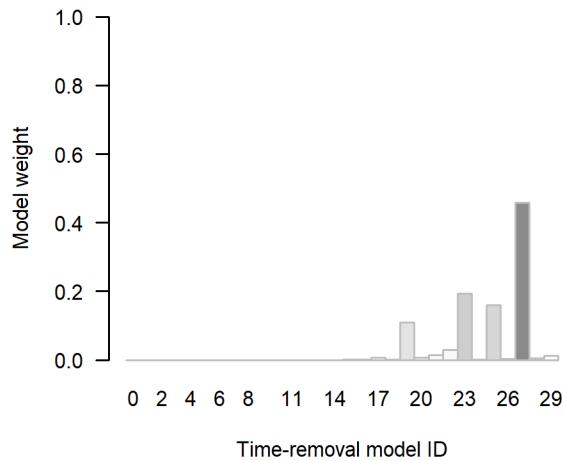




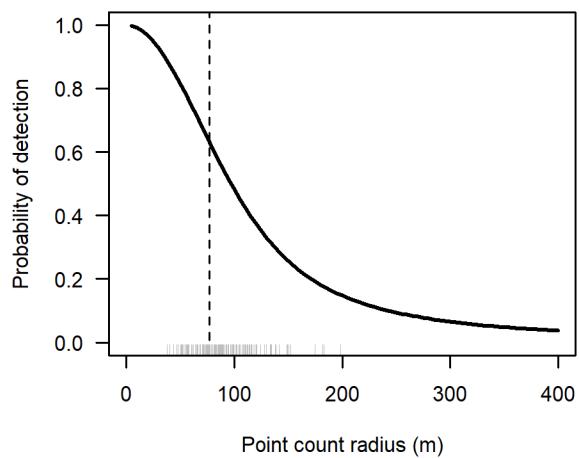
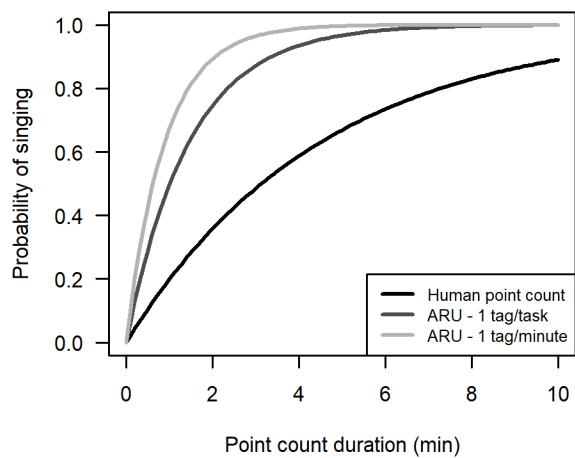
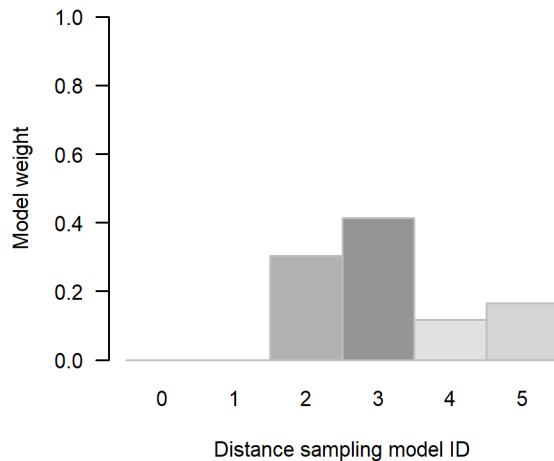




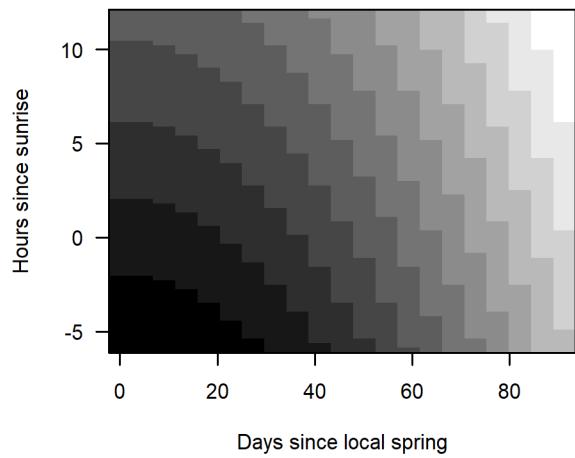
NOPA (n=5672) v4



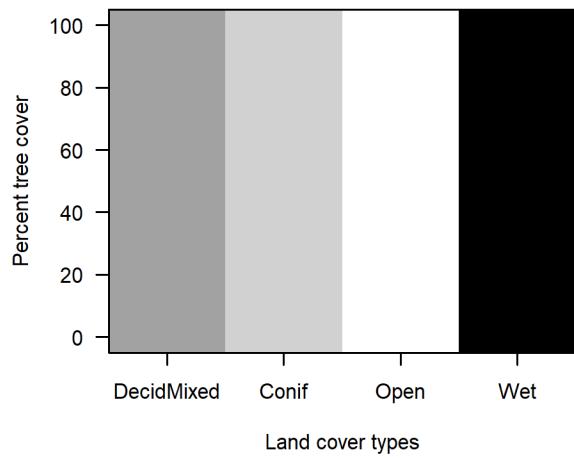
NOPA (n=5458) v4

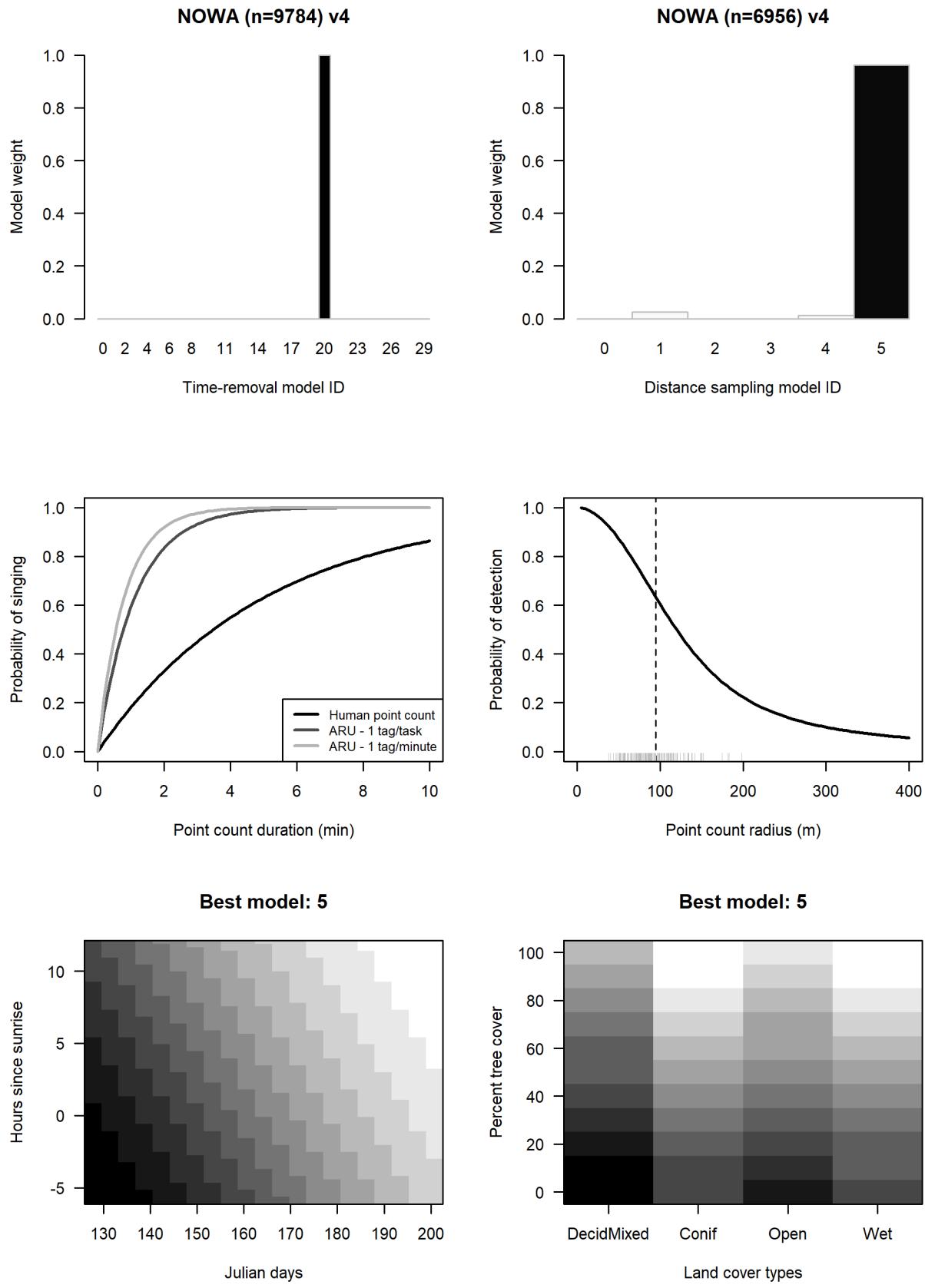


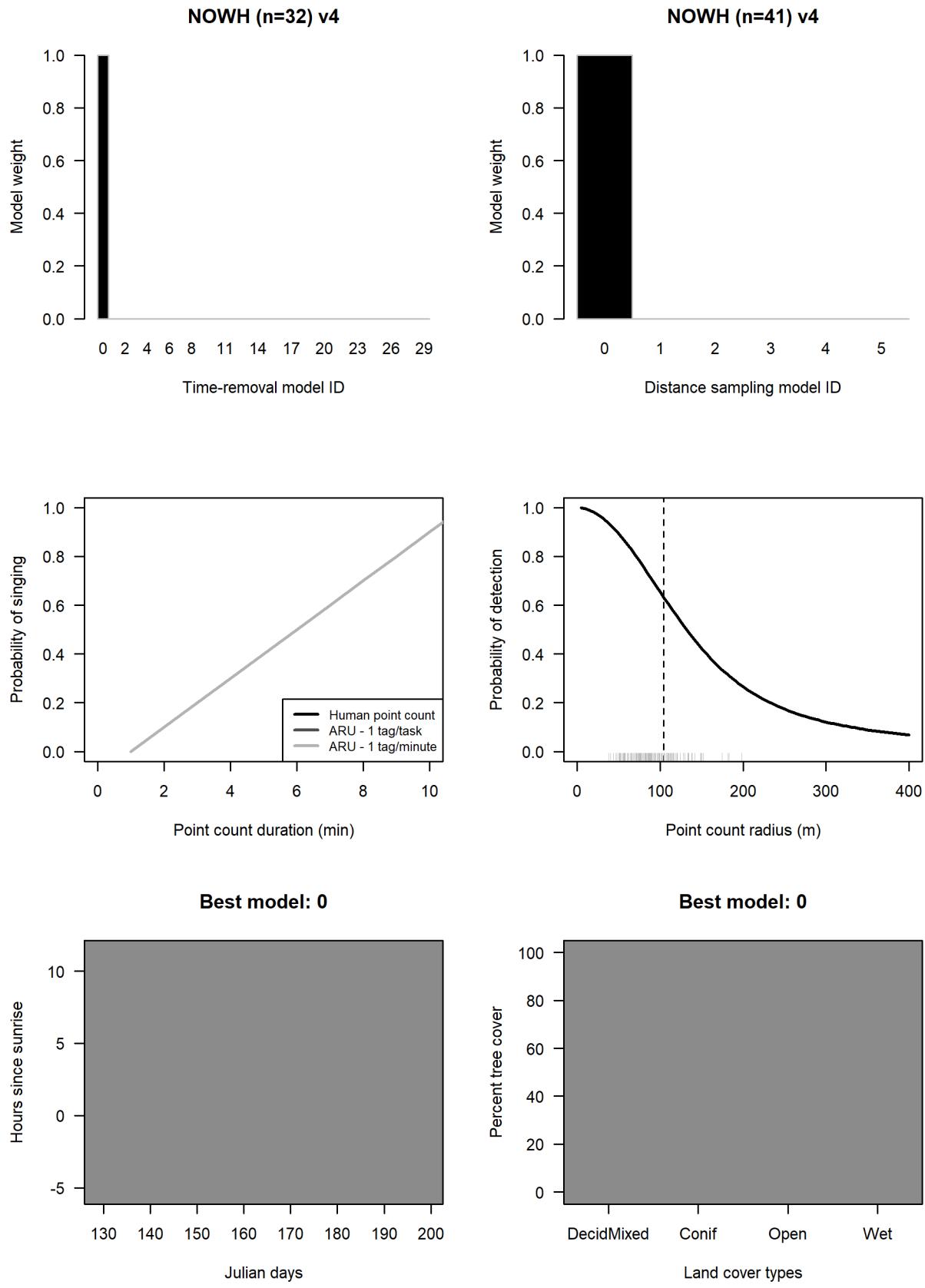
Best model: 12

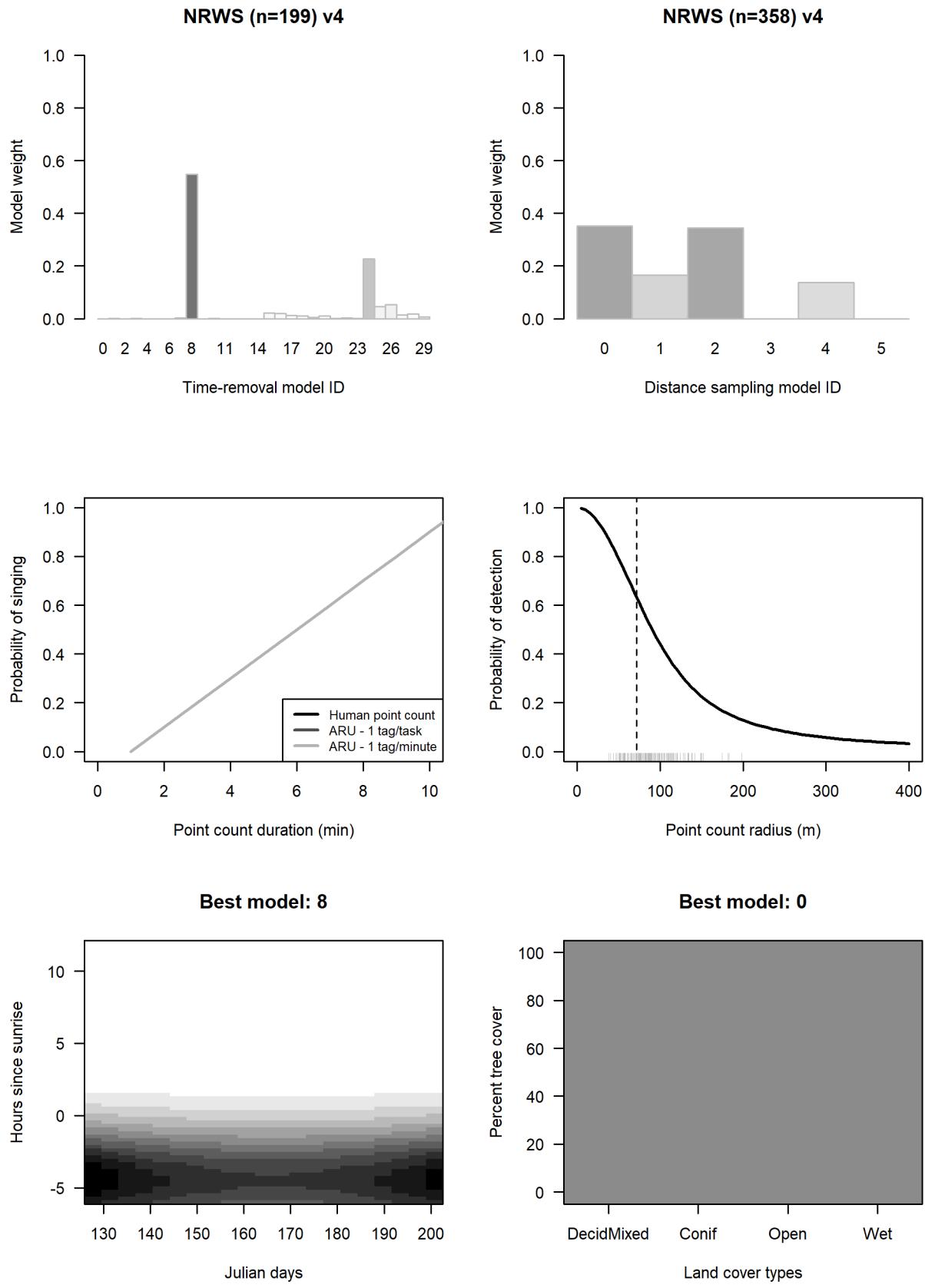


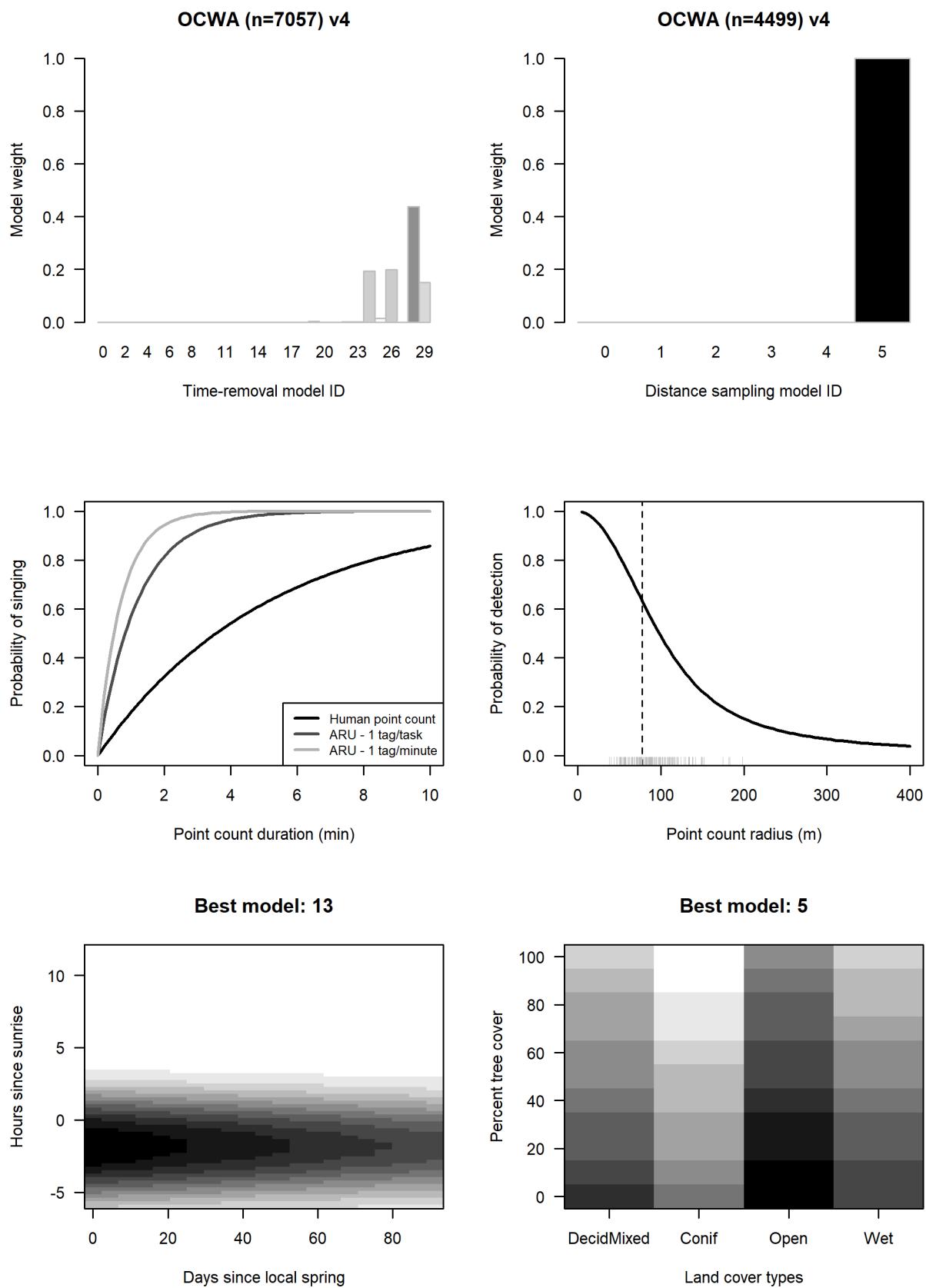
Best model: 3



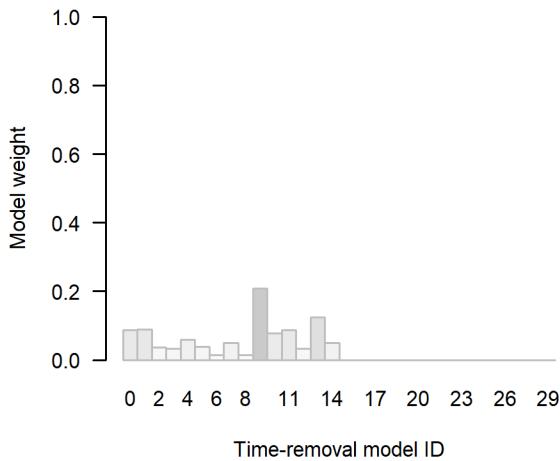




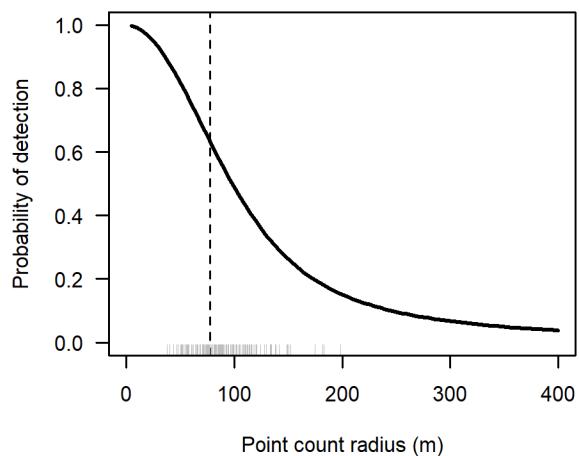
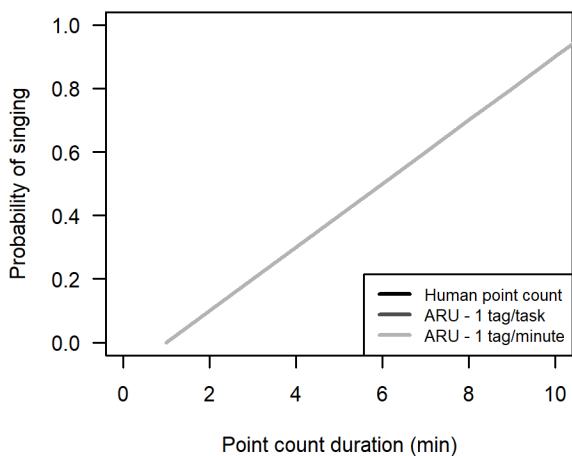
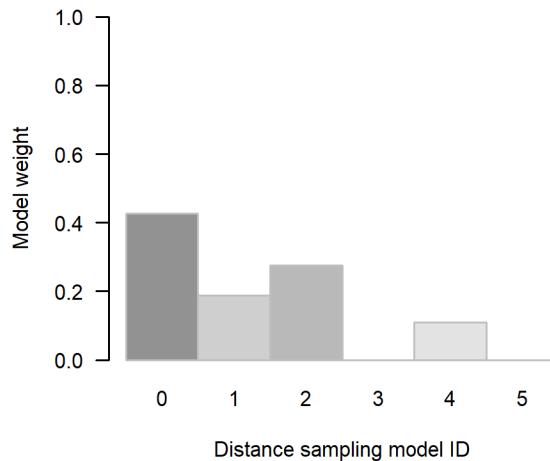




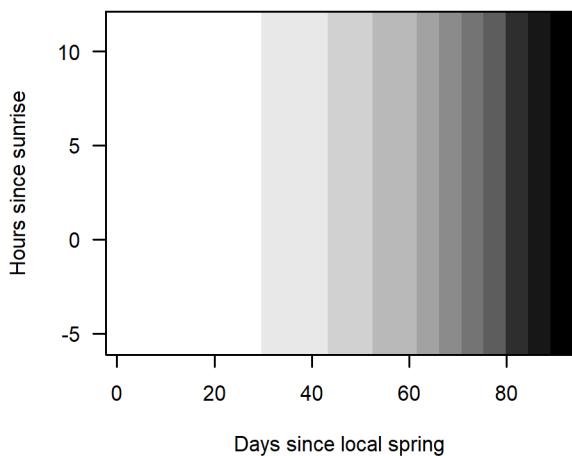
OROR (n=188) v4



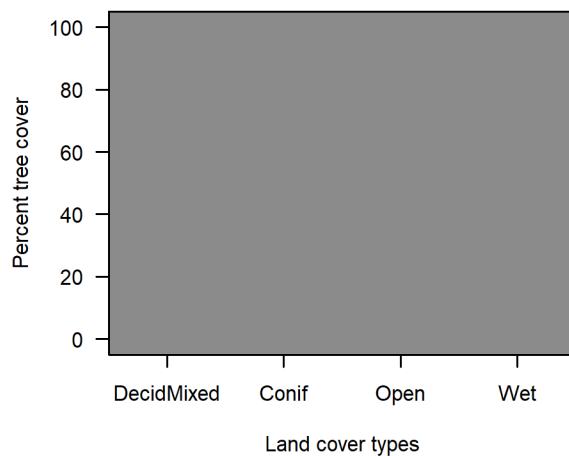
OROR (n=151) v4

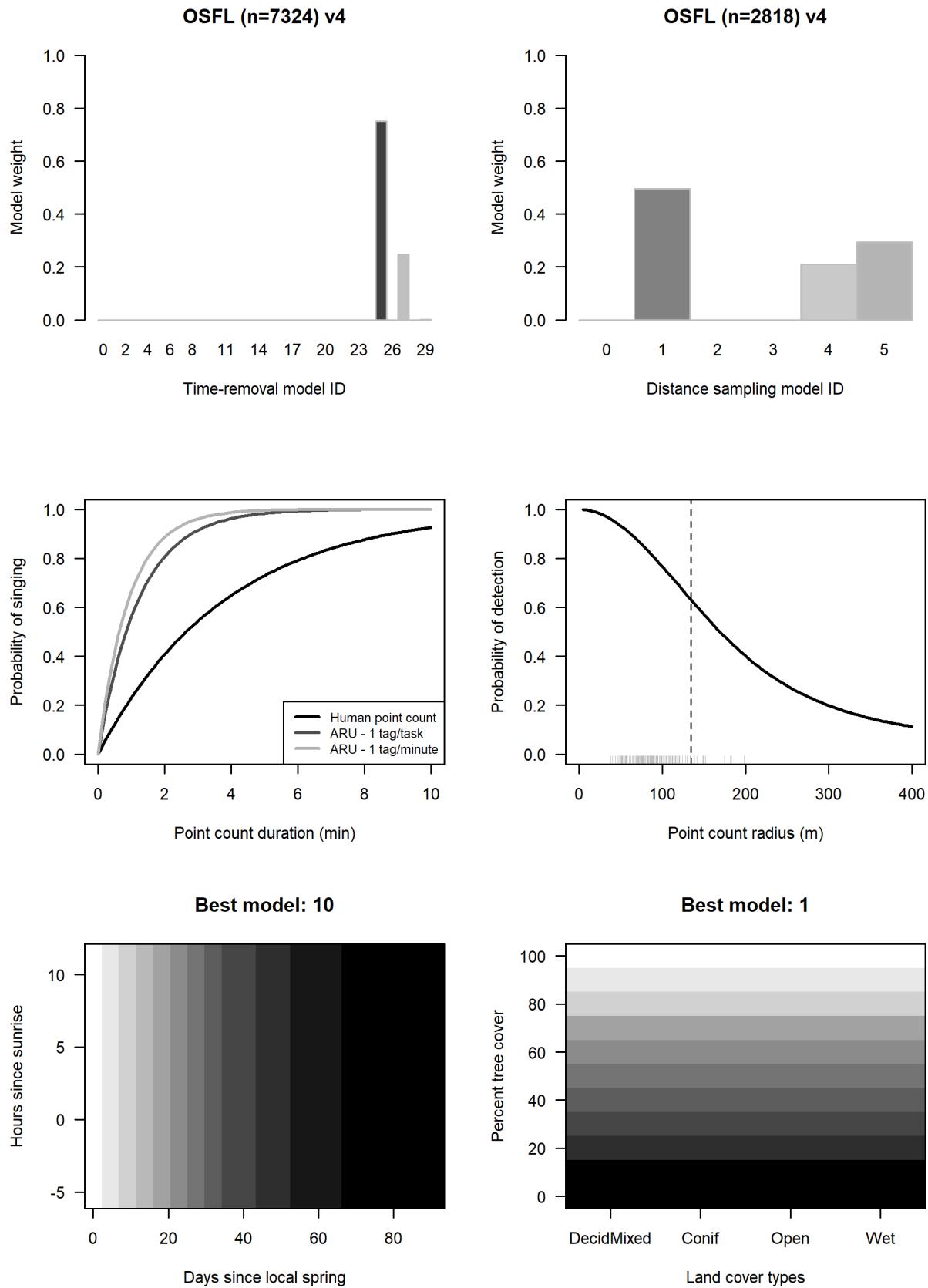


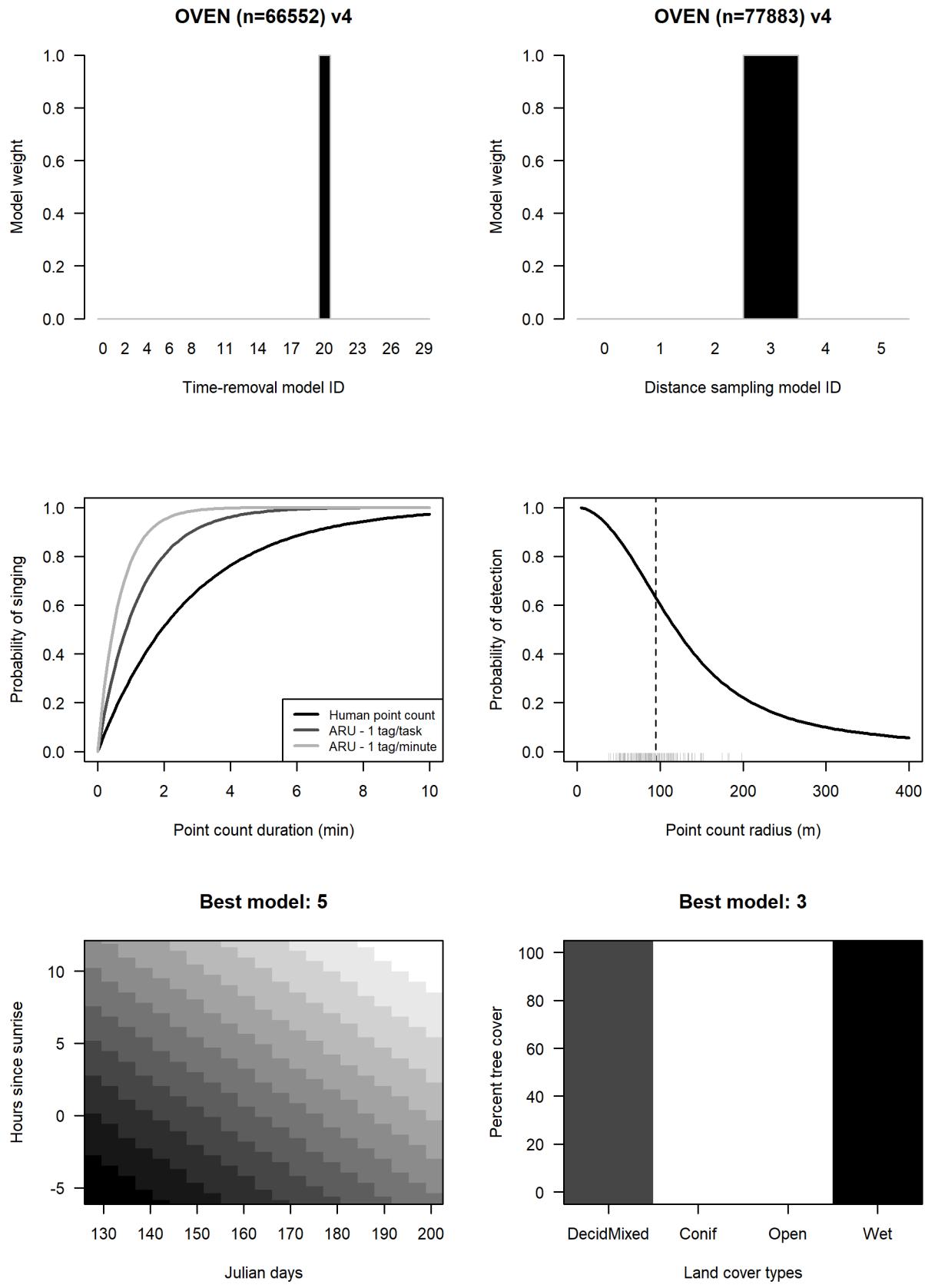
Best model: 9



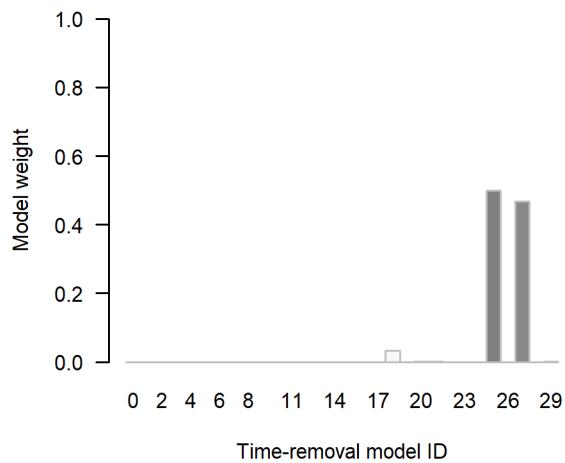
Best model: 0



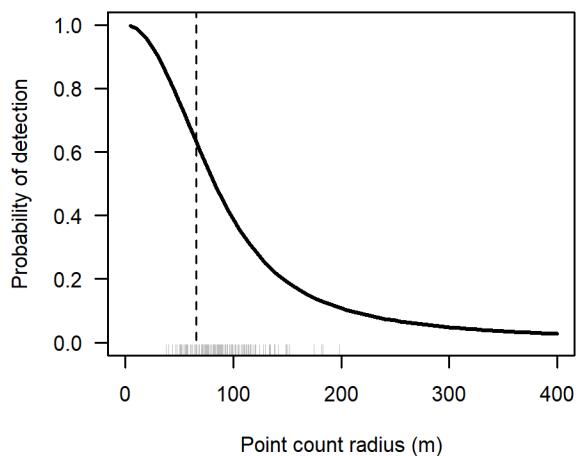
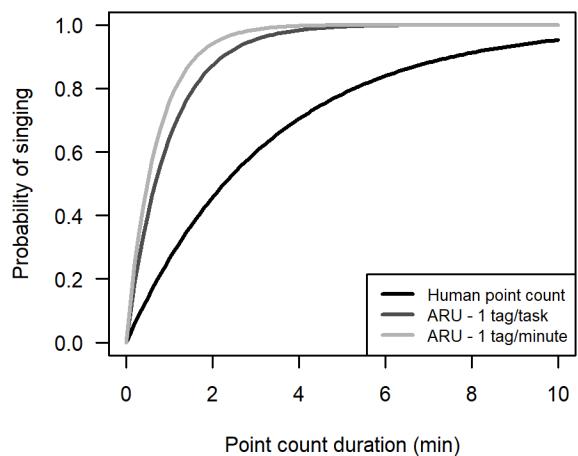
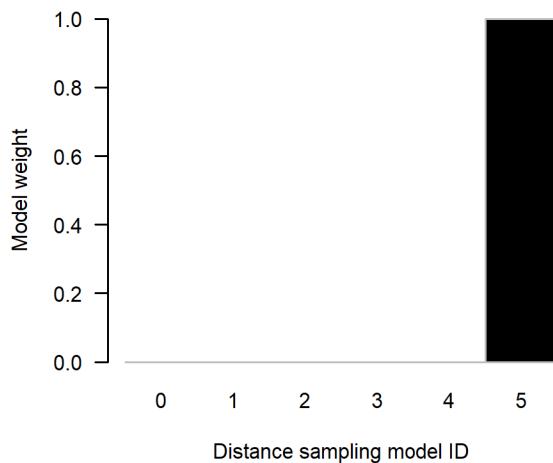




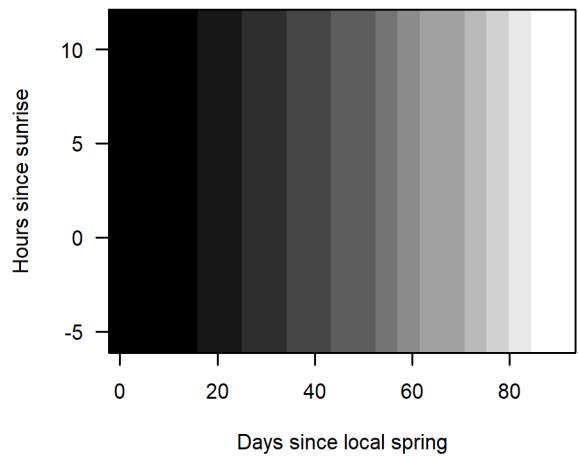
PAWA (n=15441) v4



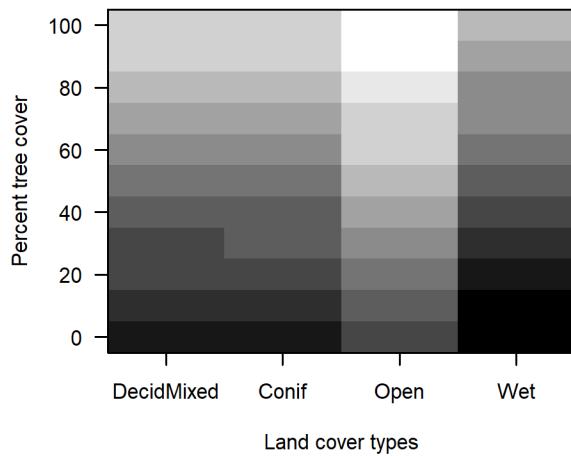
PAWA (n=3900) v4

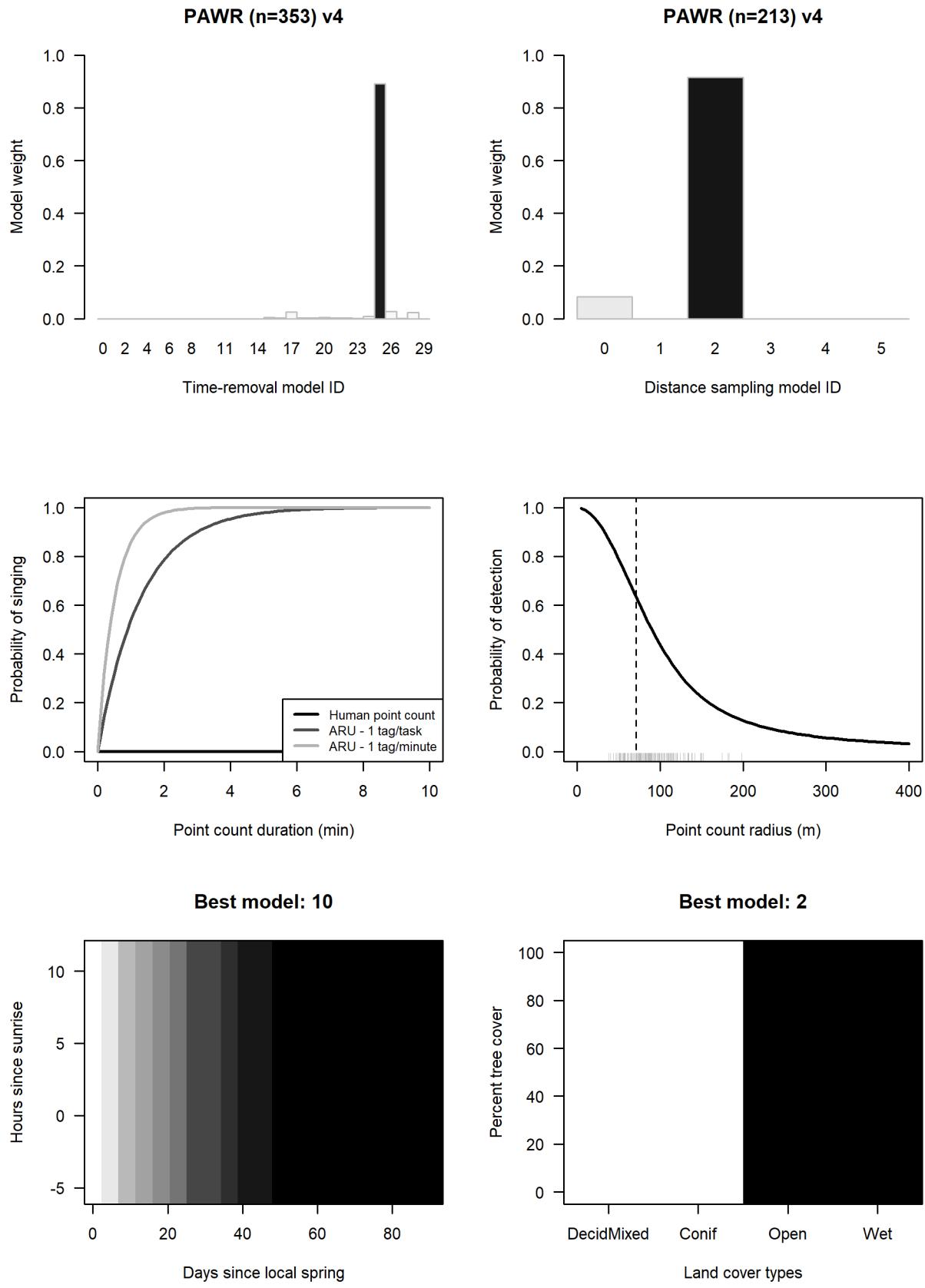


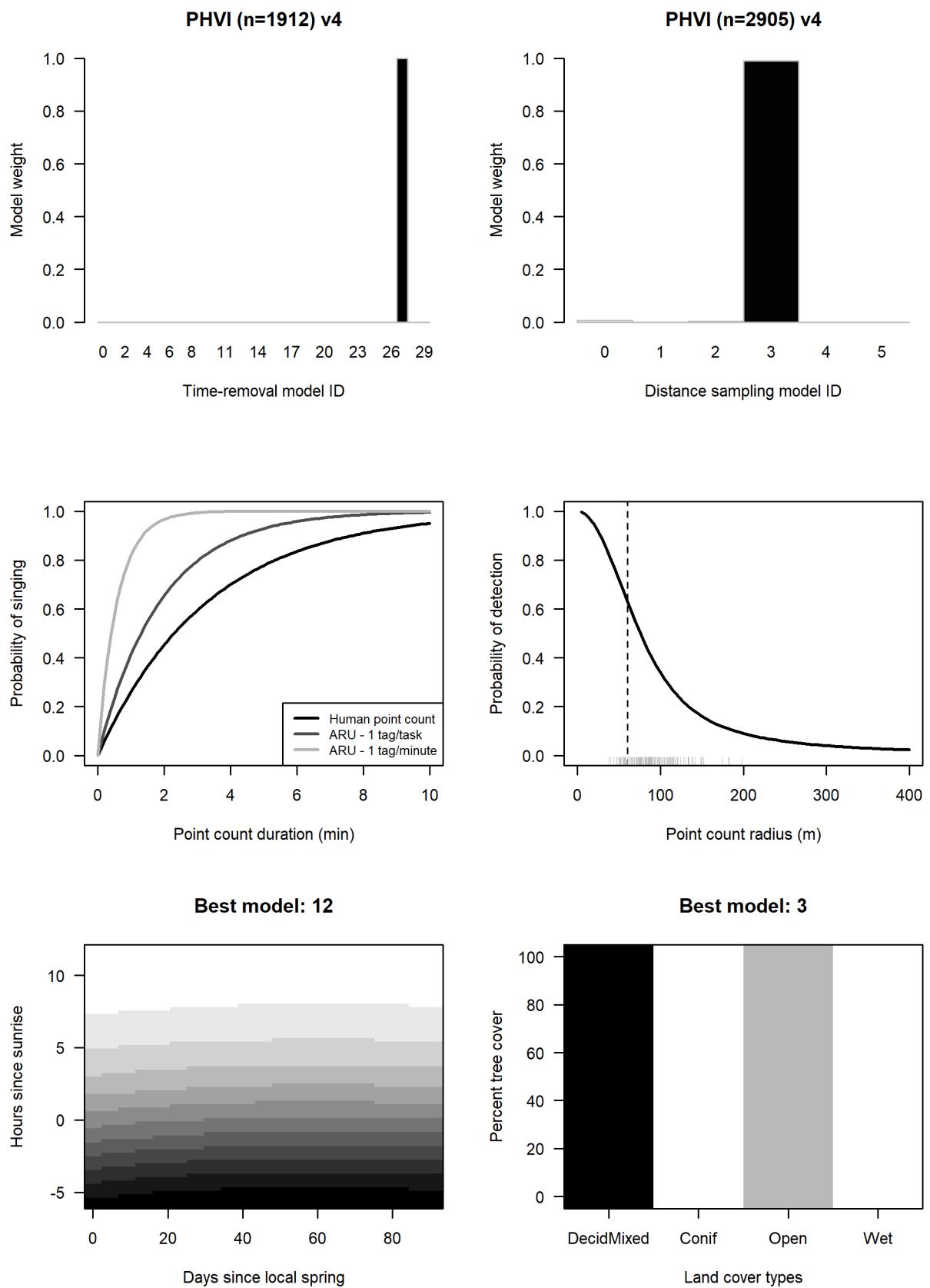
Best model: 10

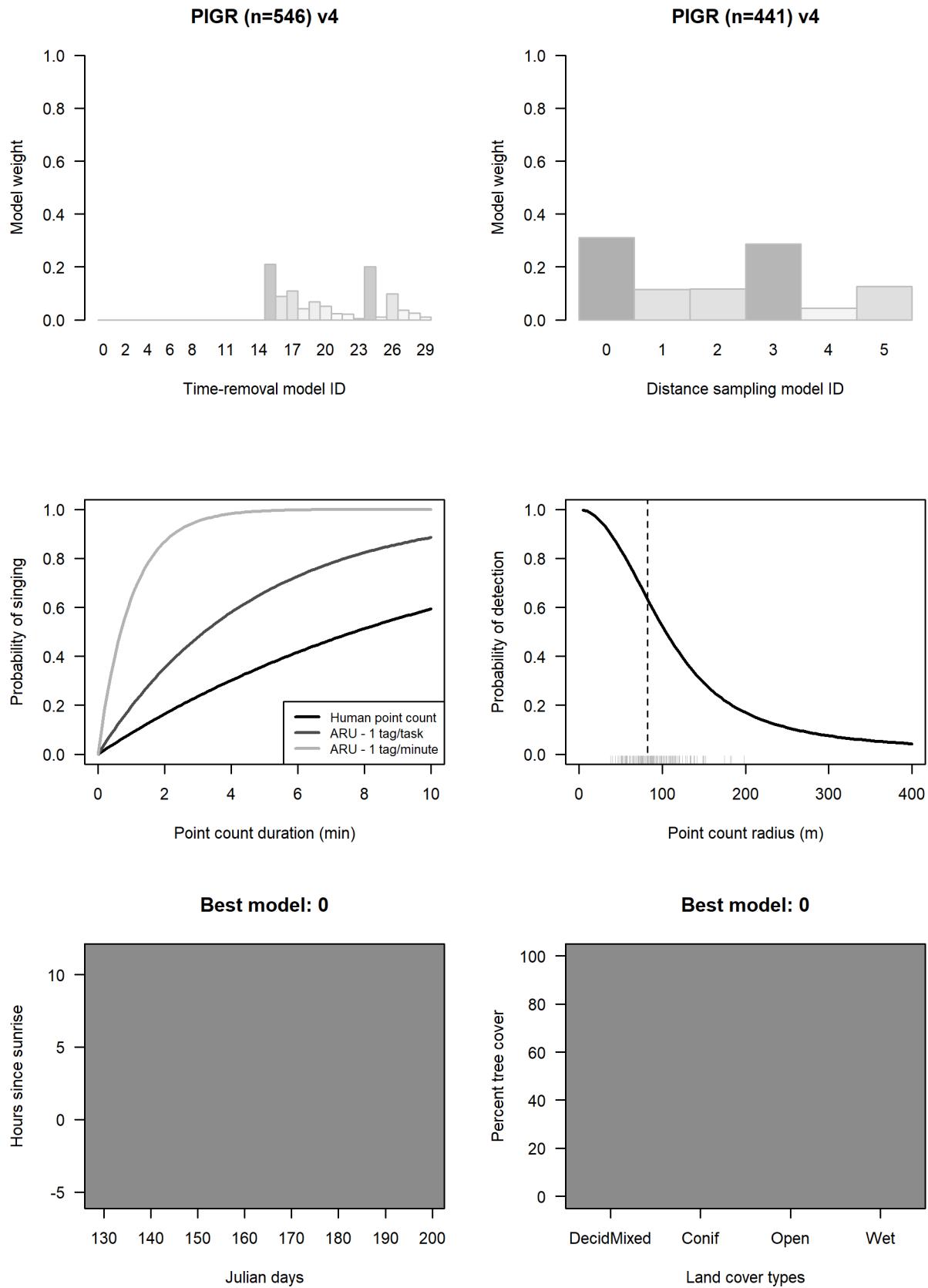


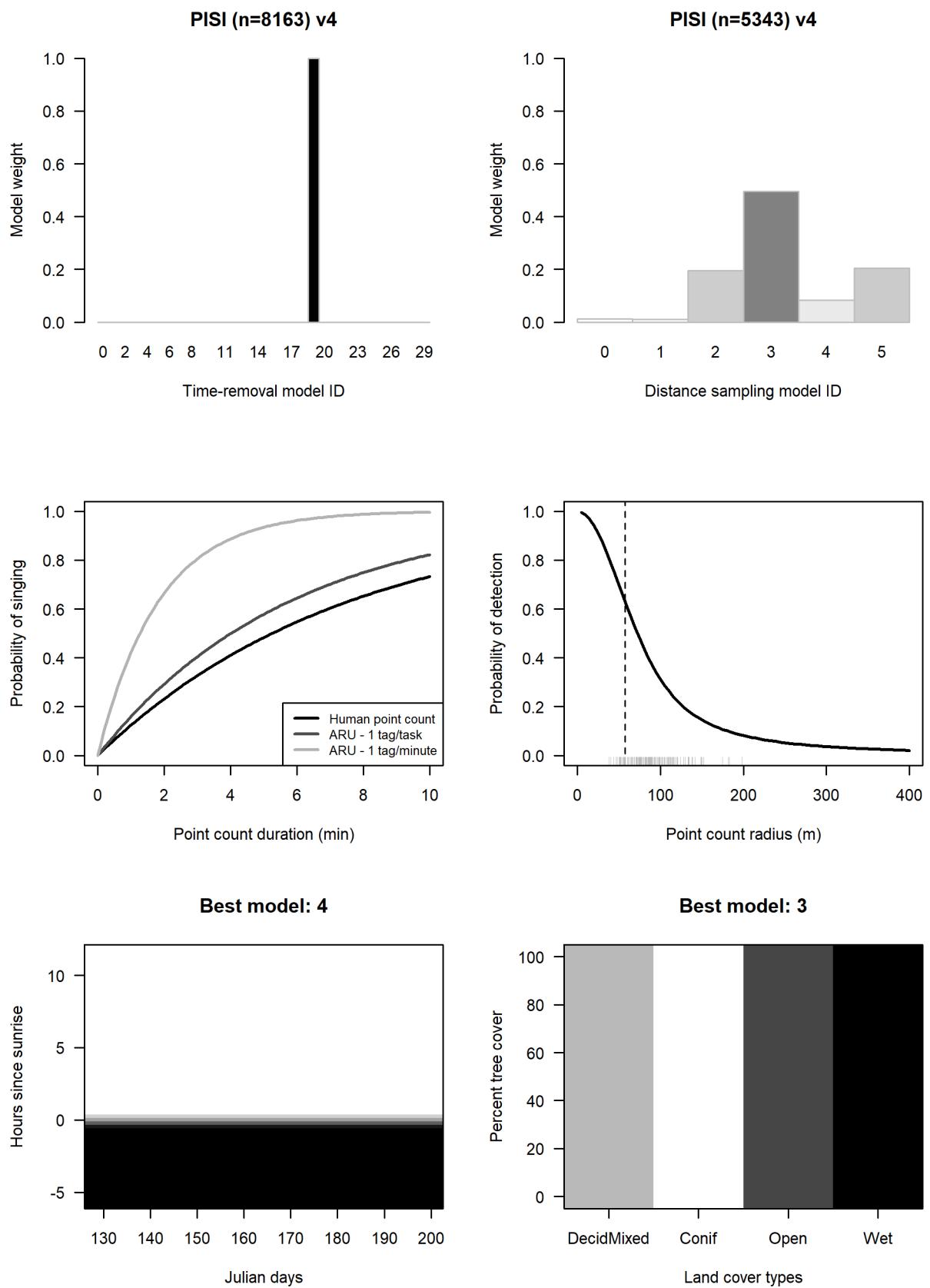
Best model: 5

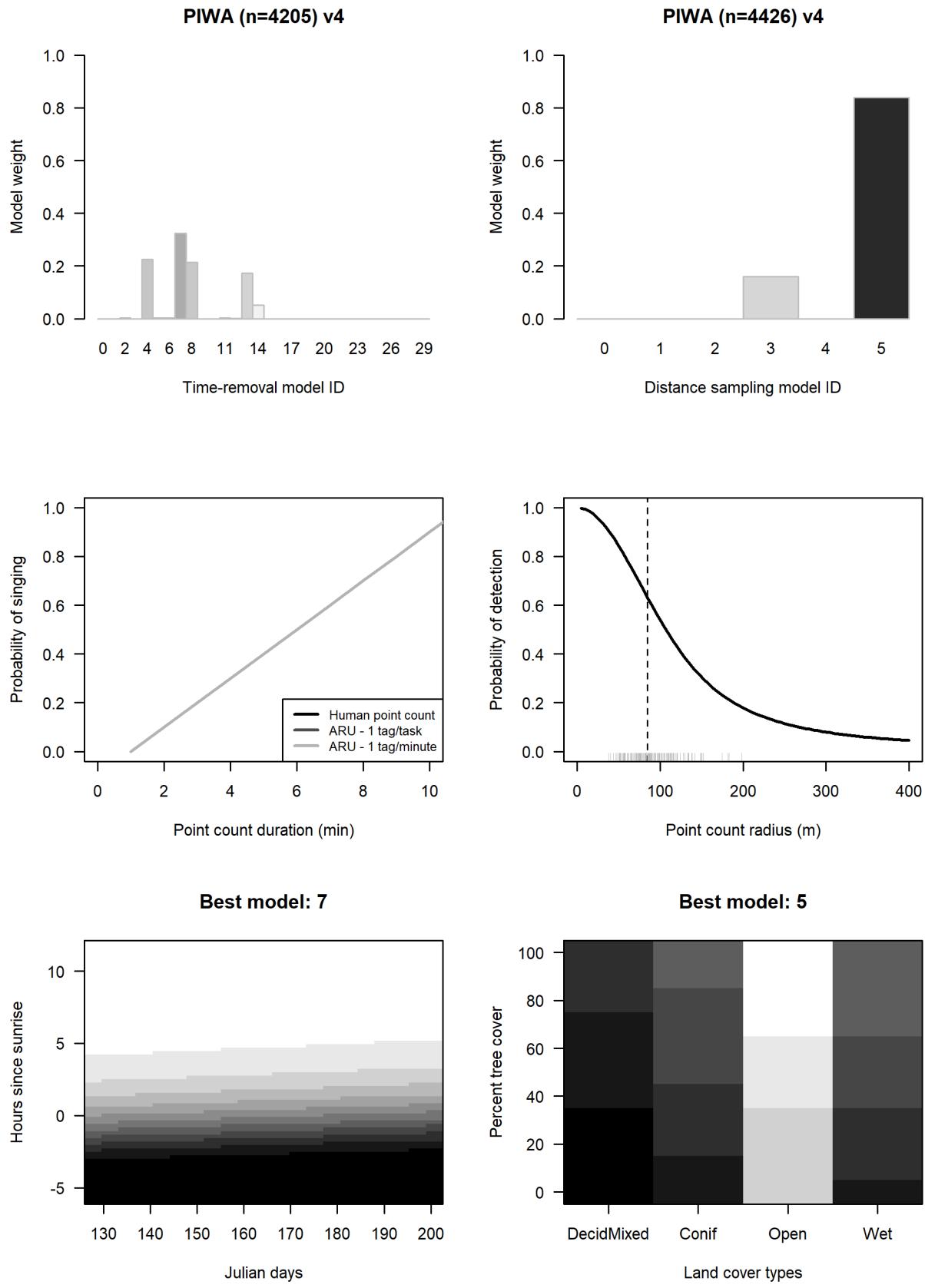


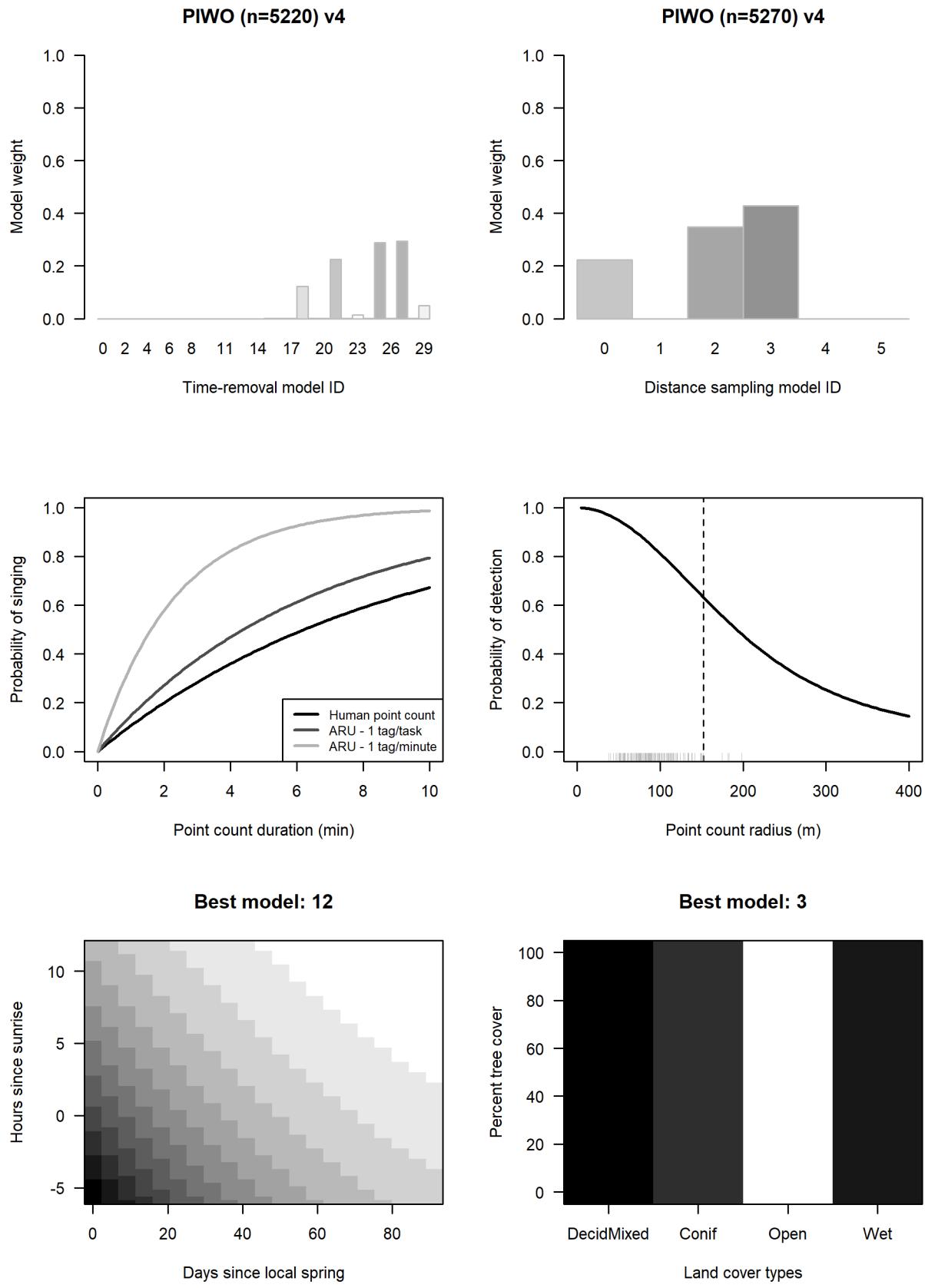


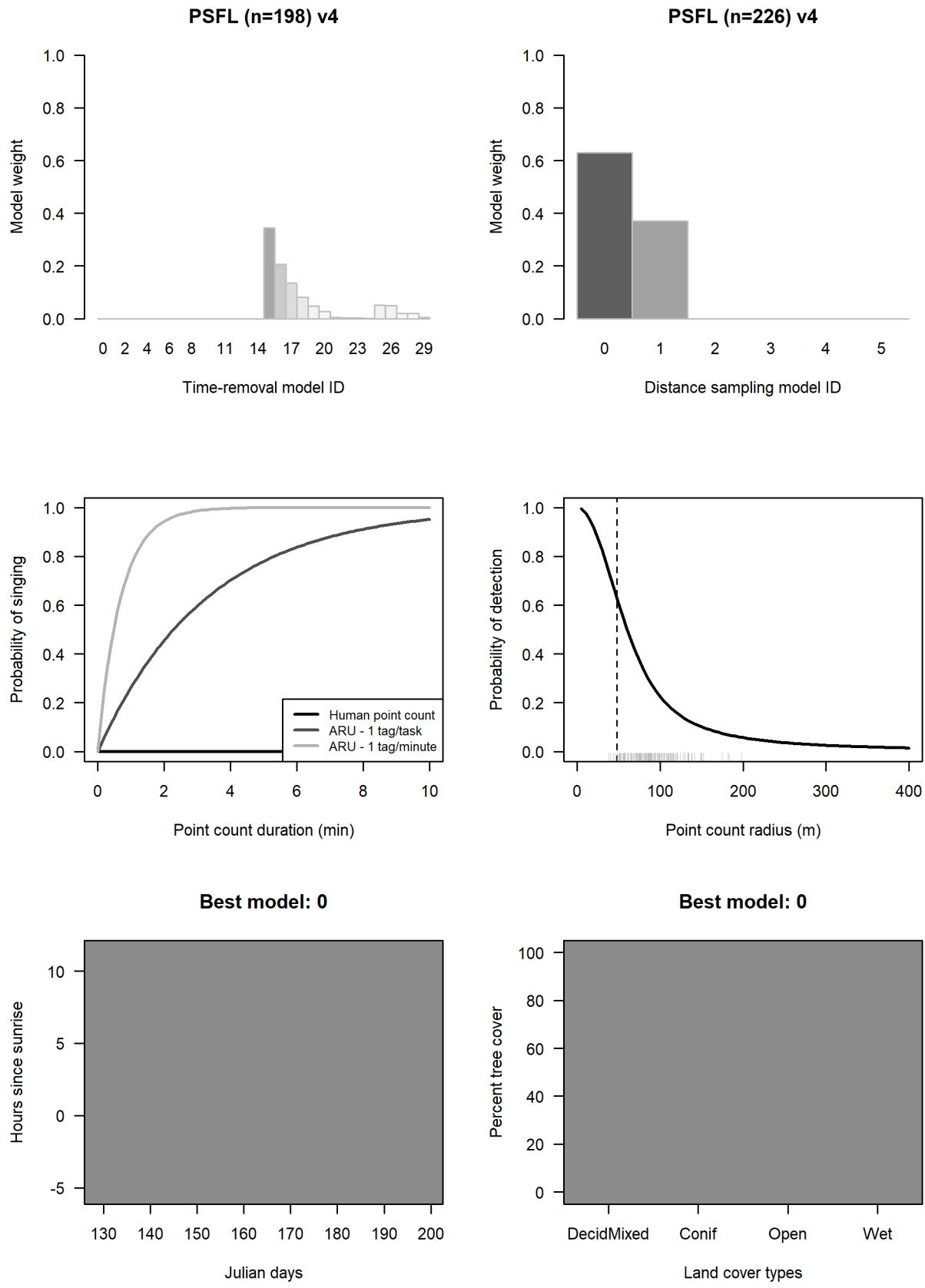


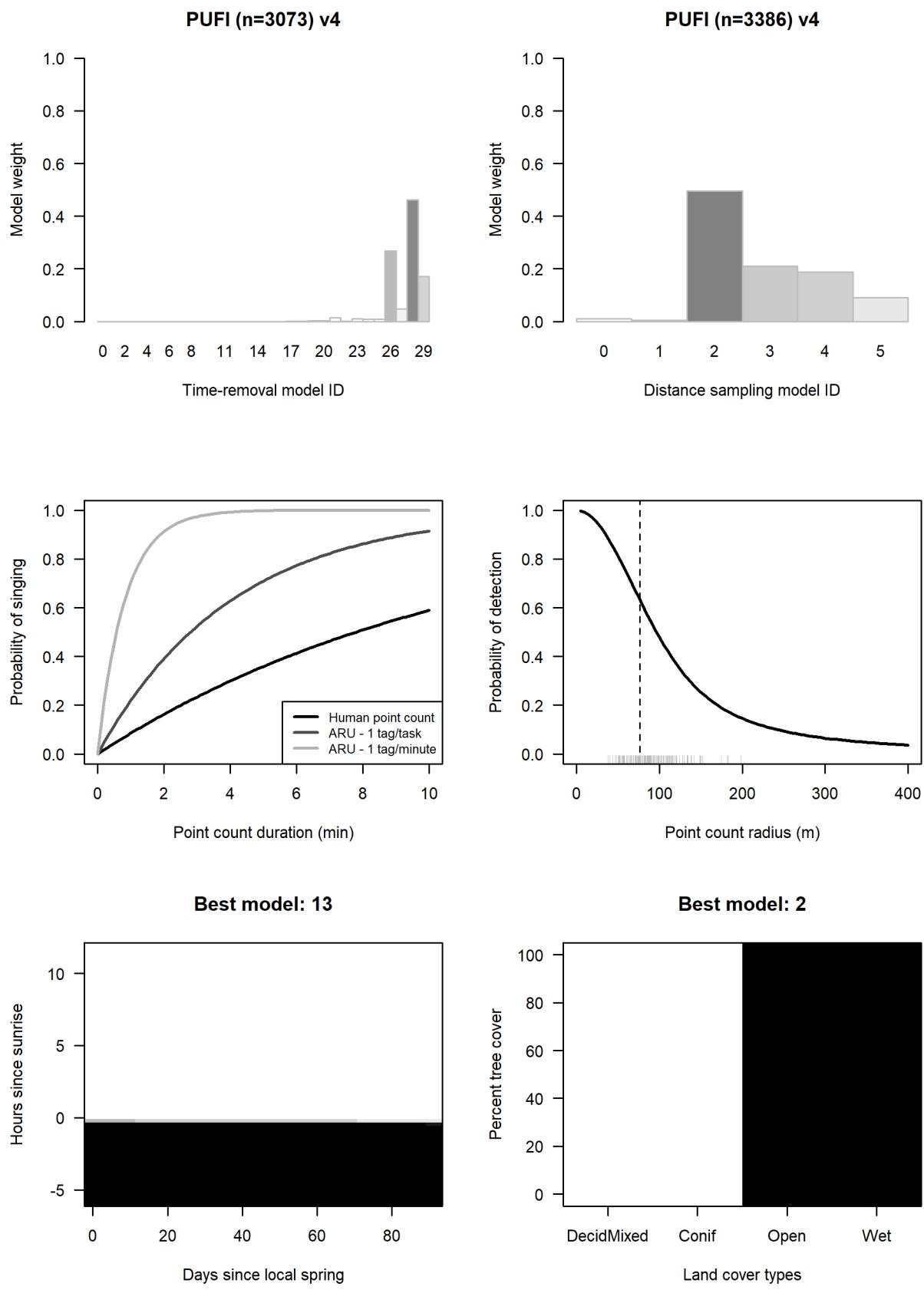


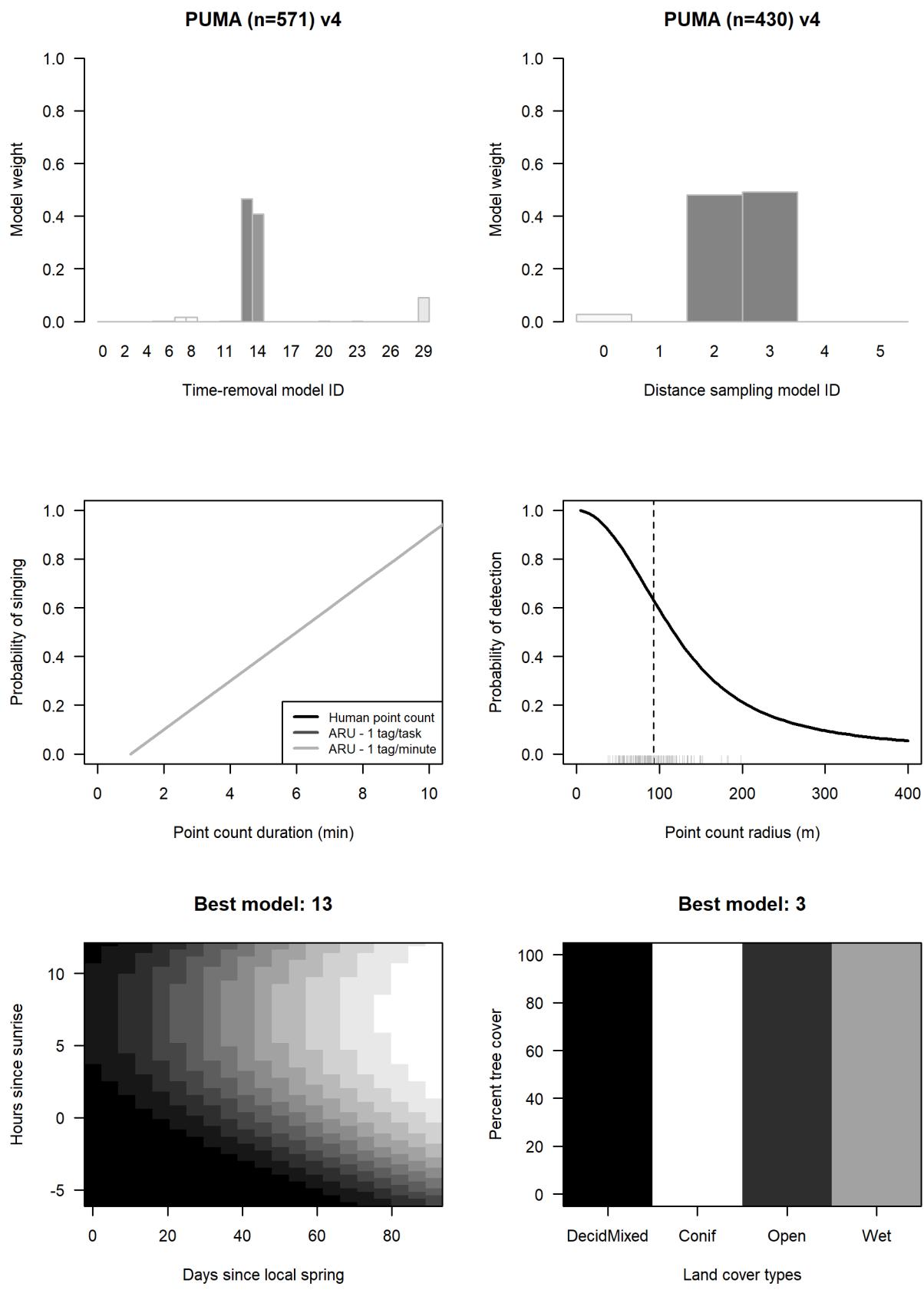


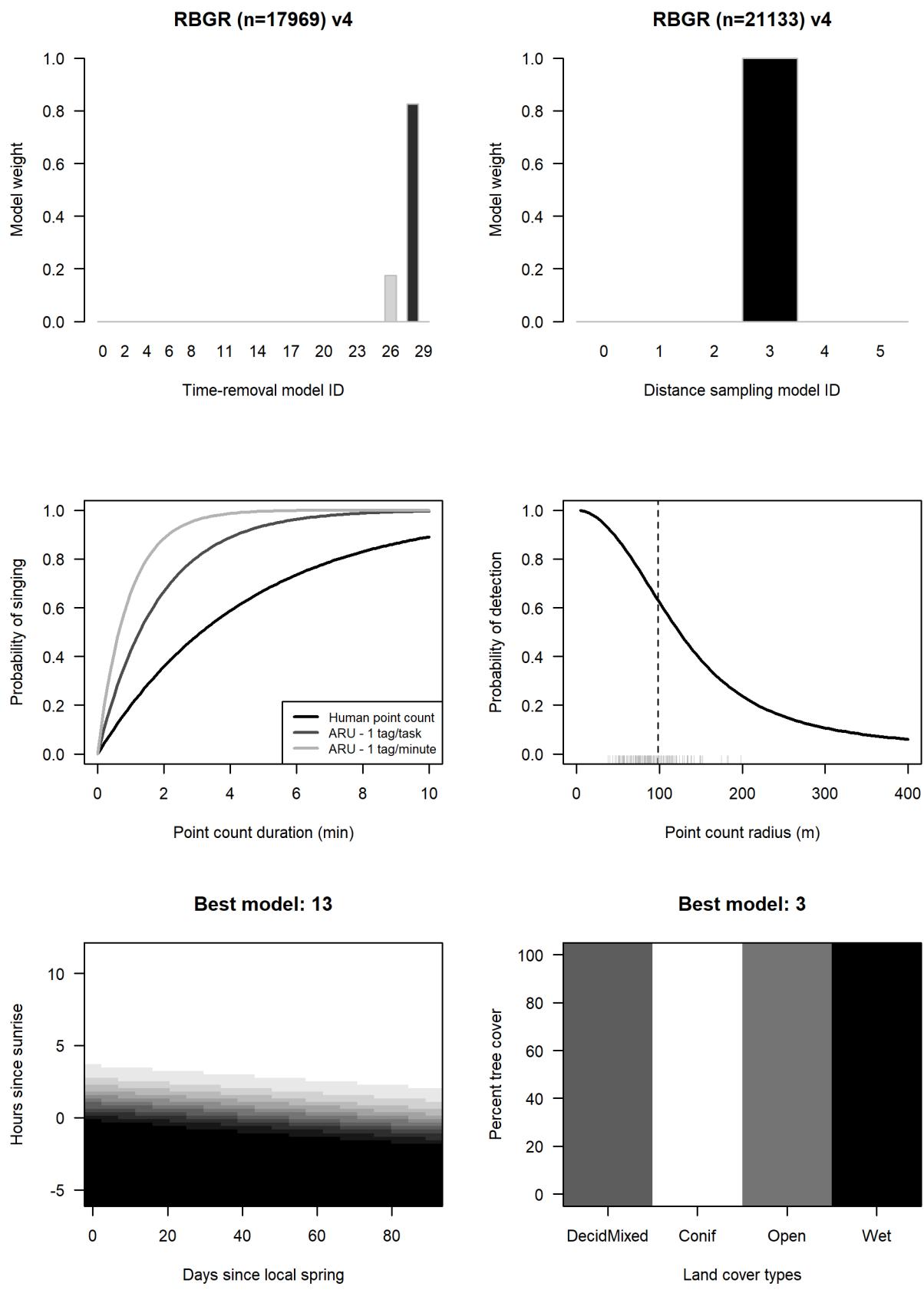


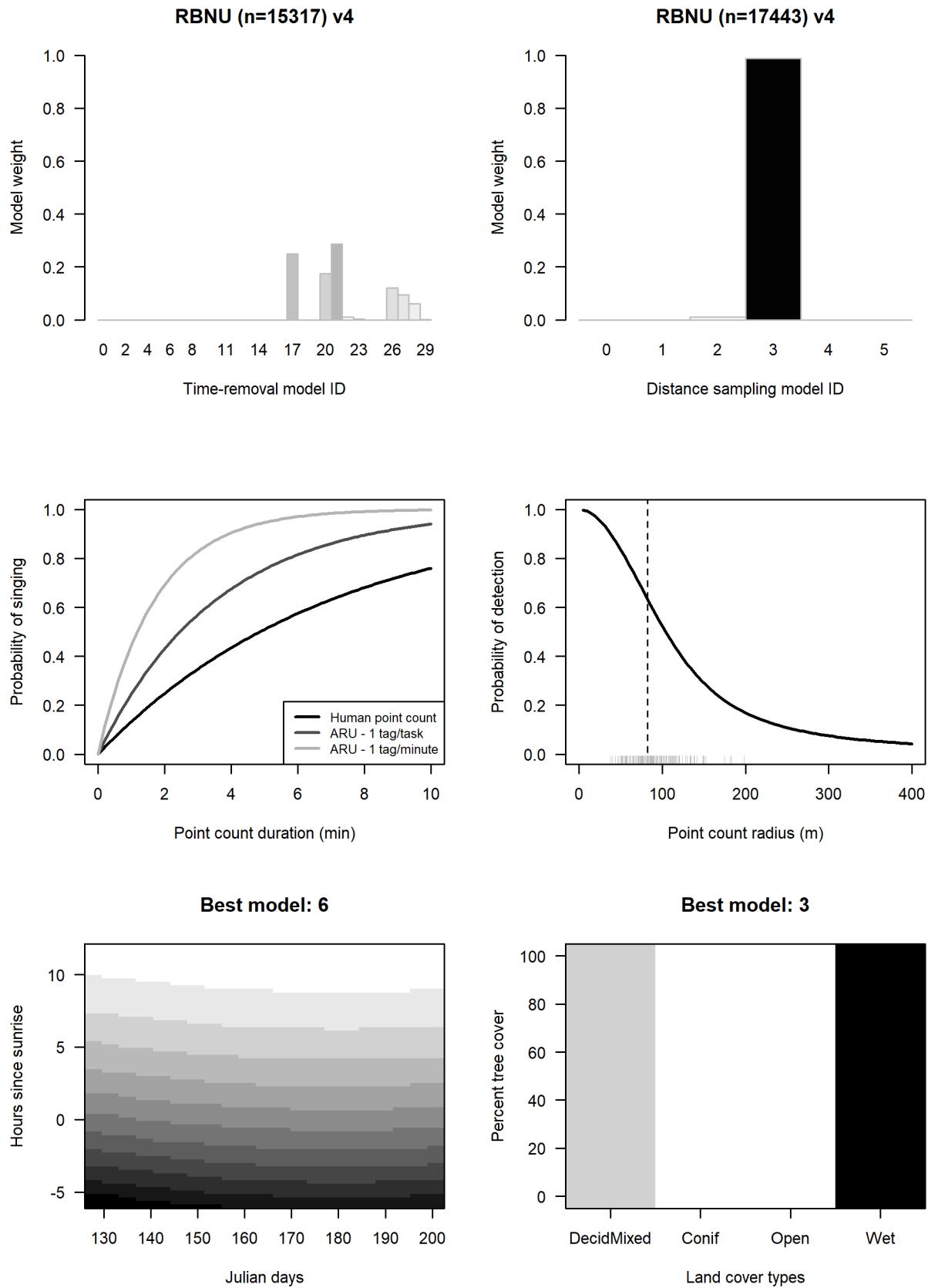


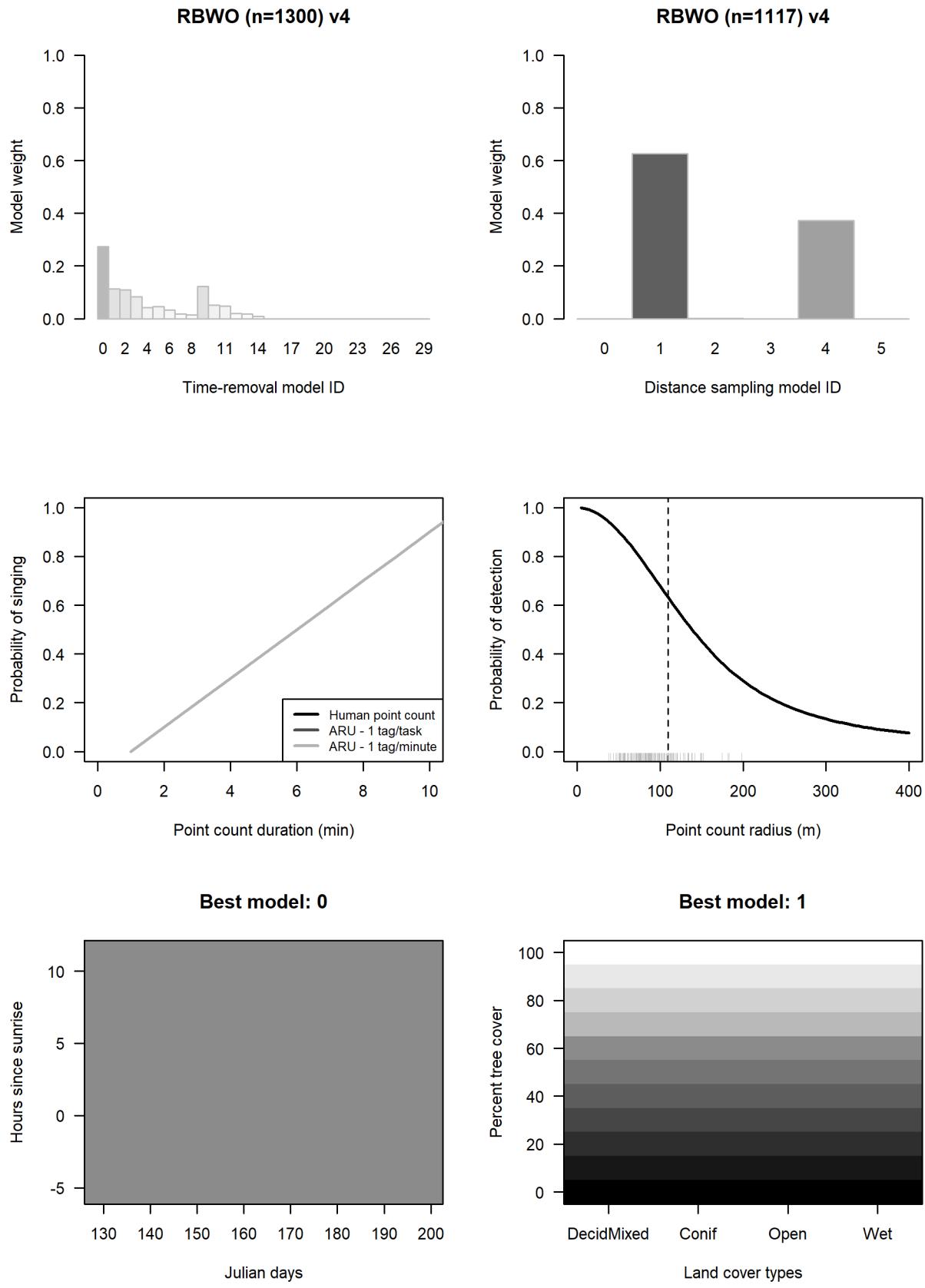


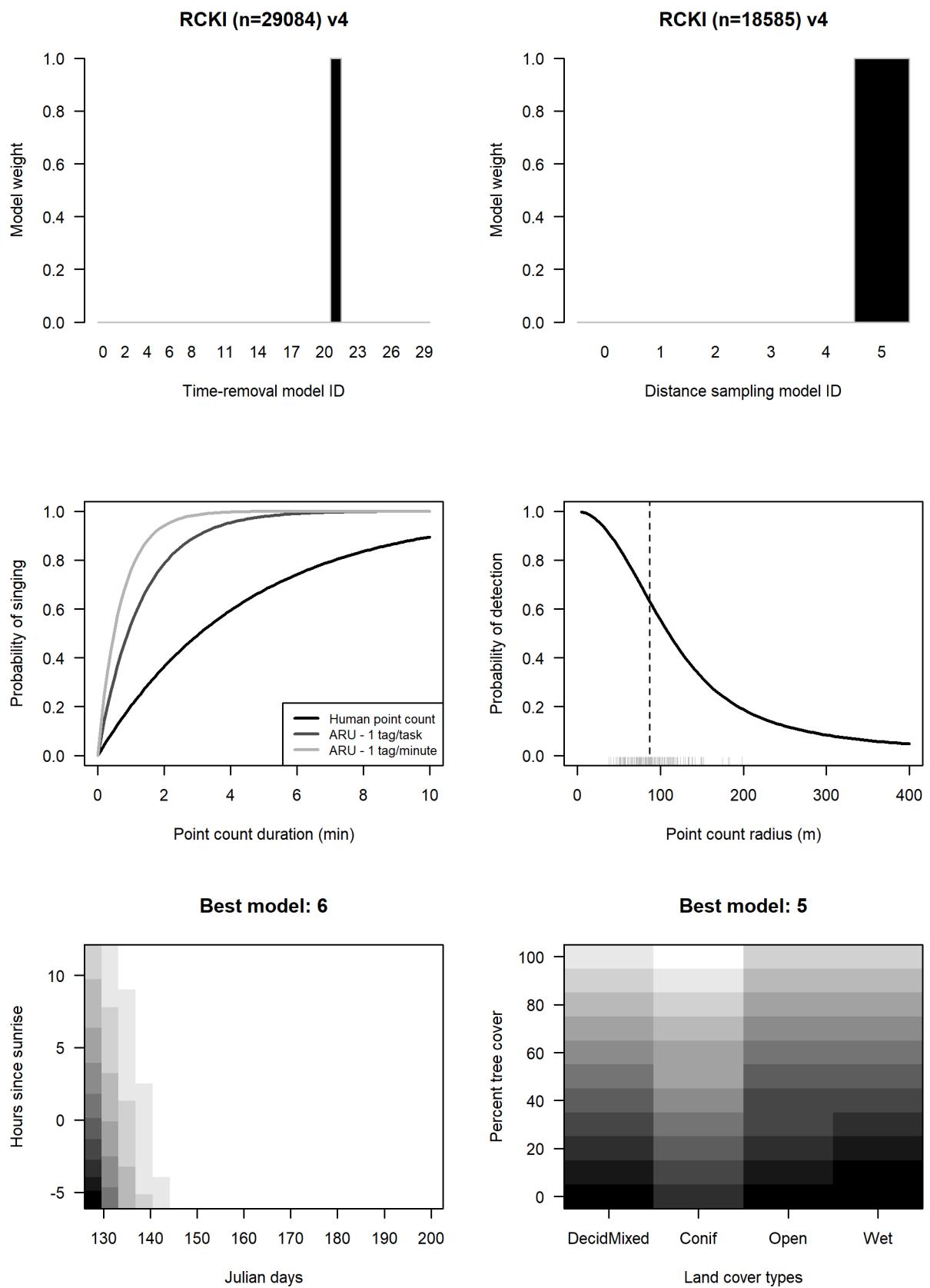


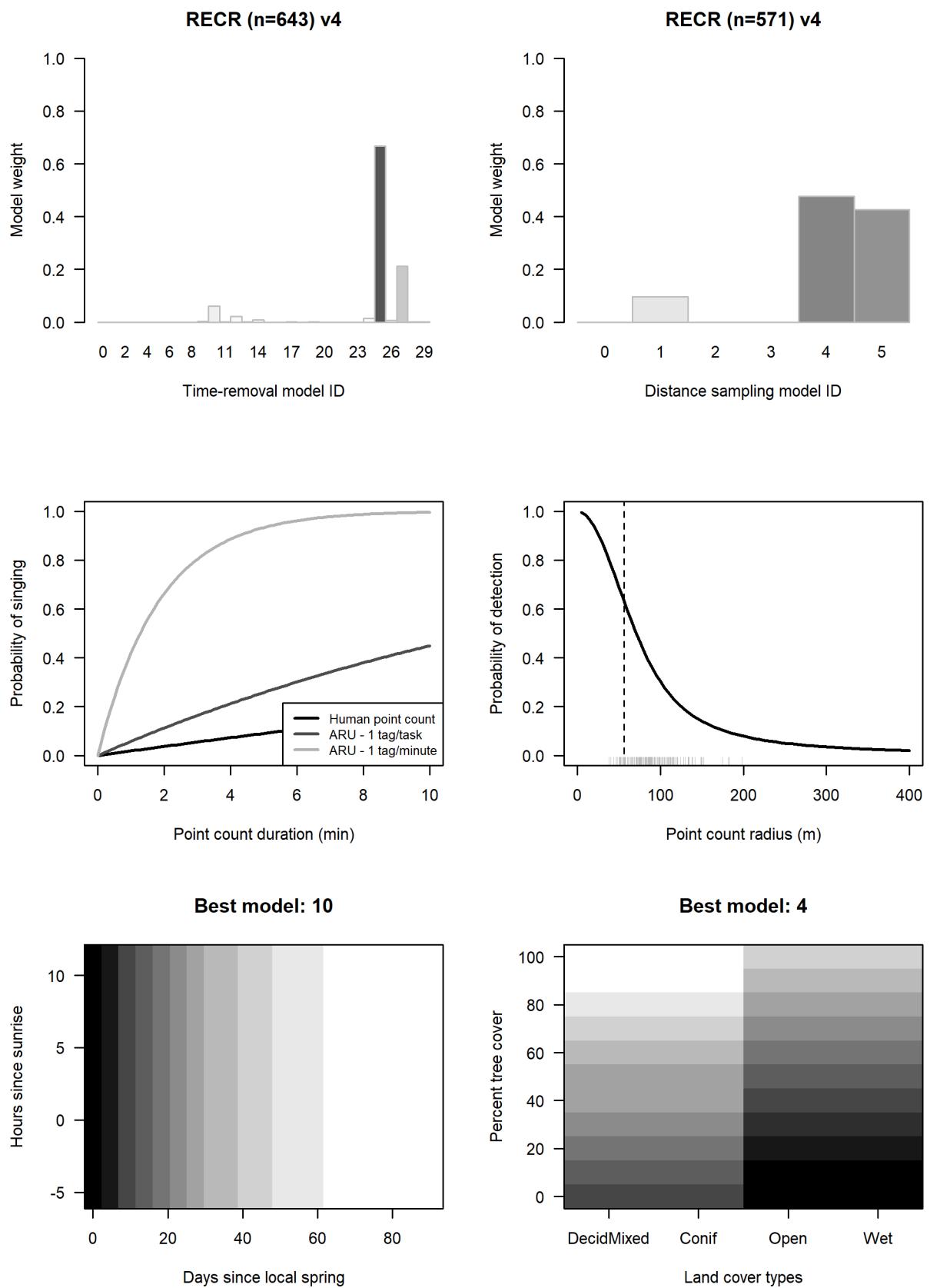


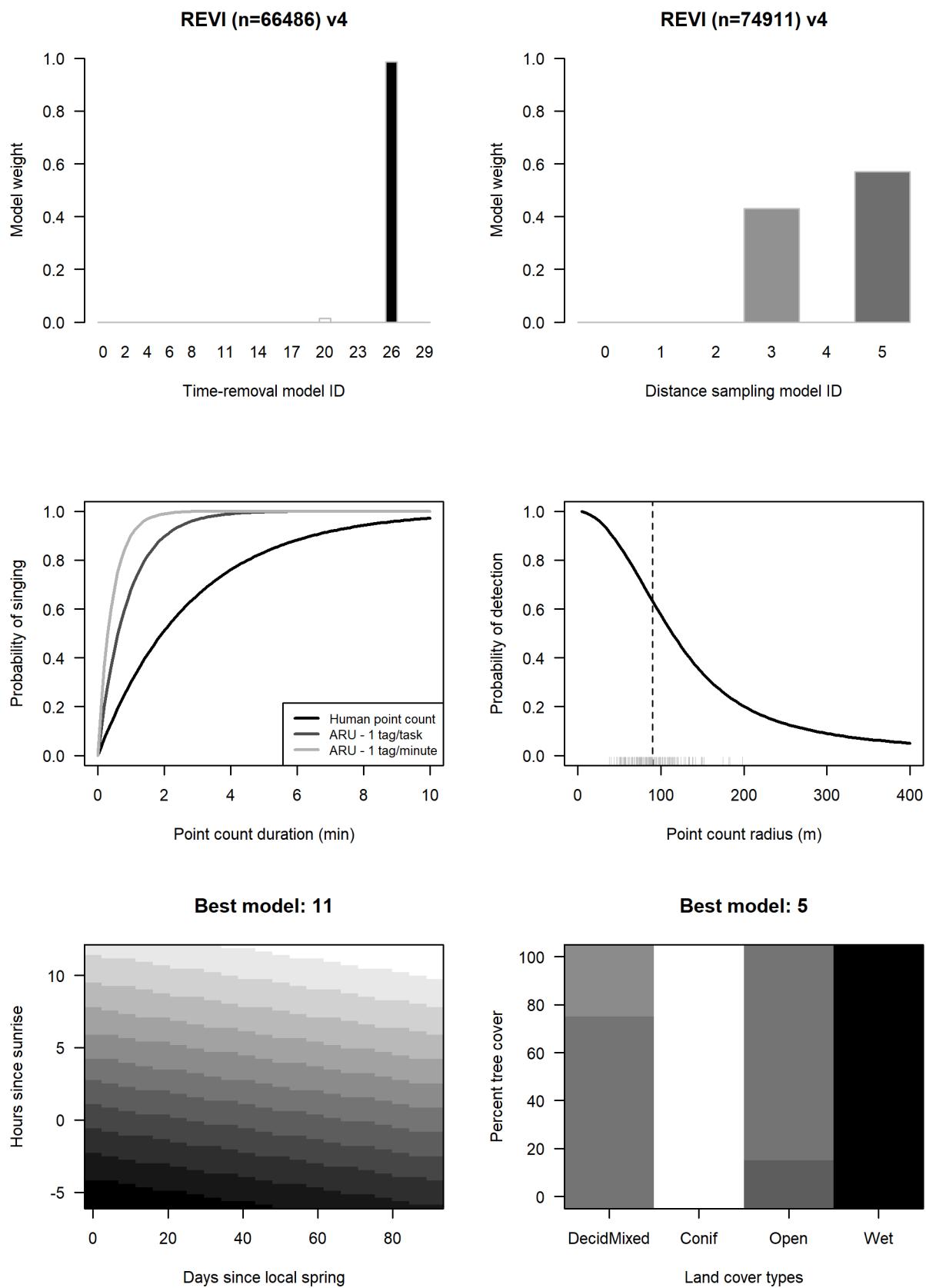




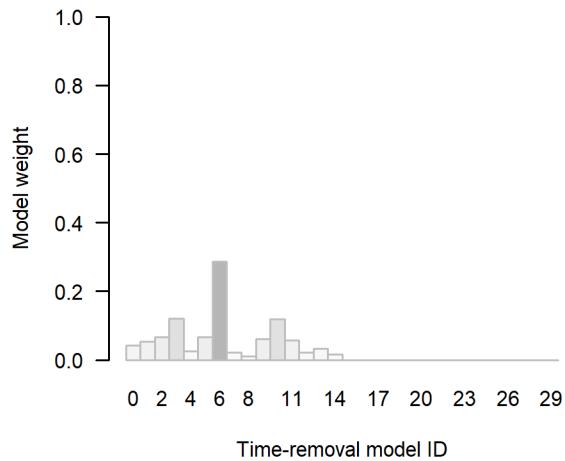




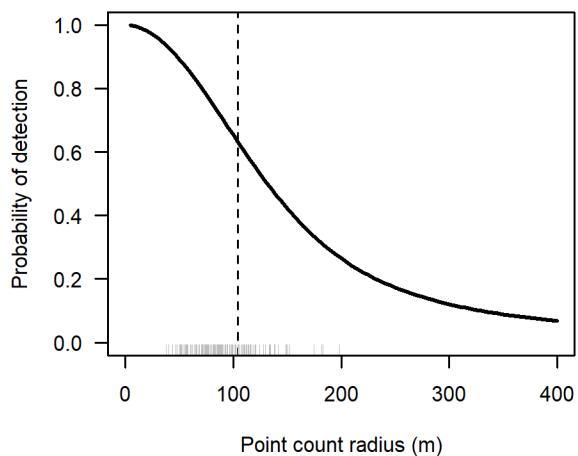
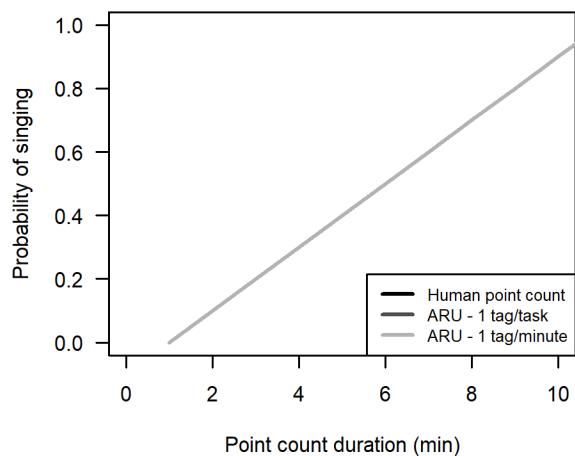
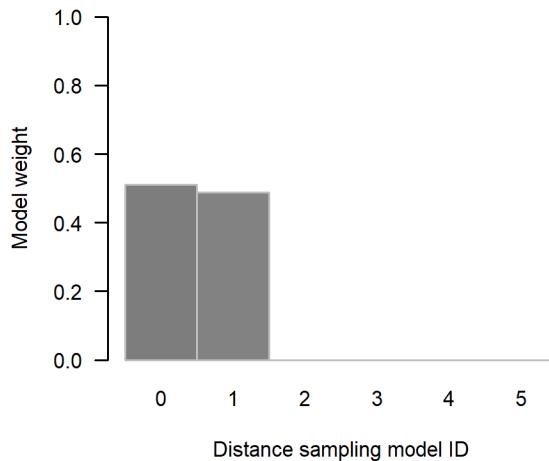




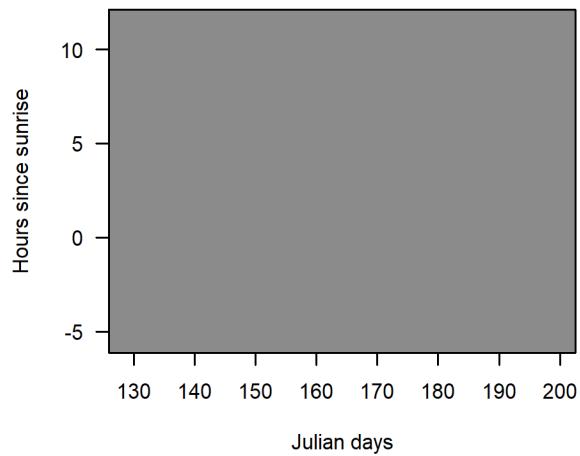
RHWO (n=91) v4



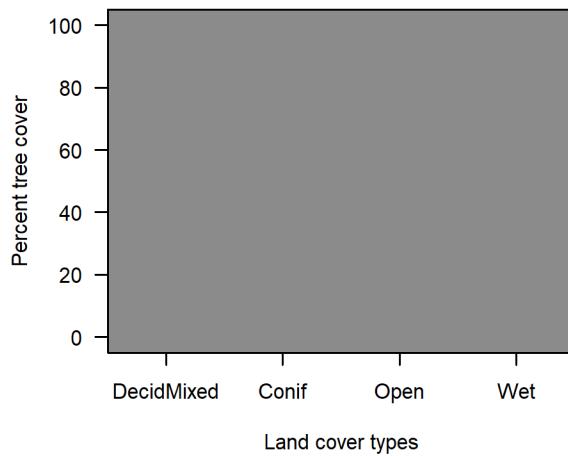
RHWO (n=110) v4

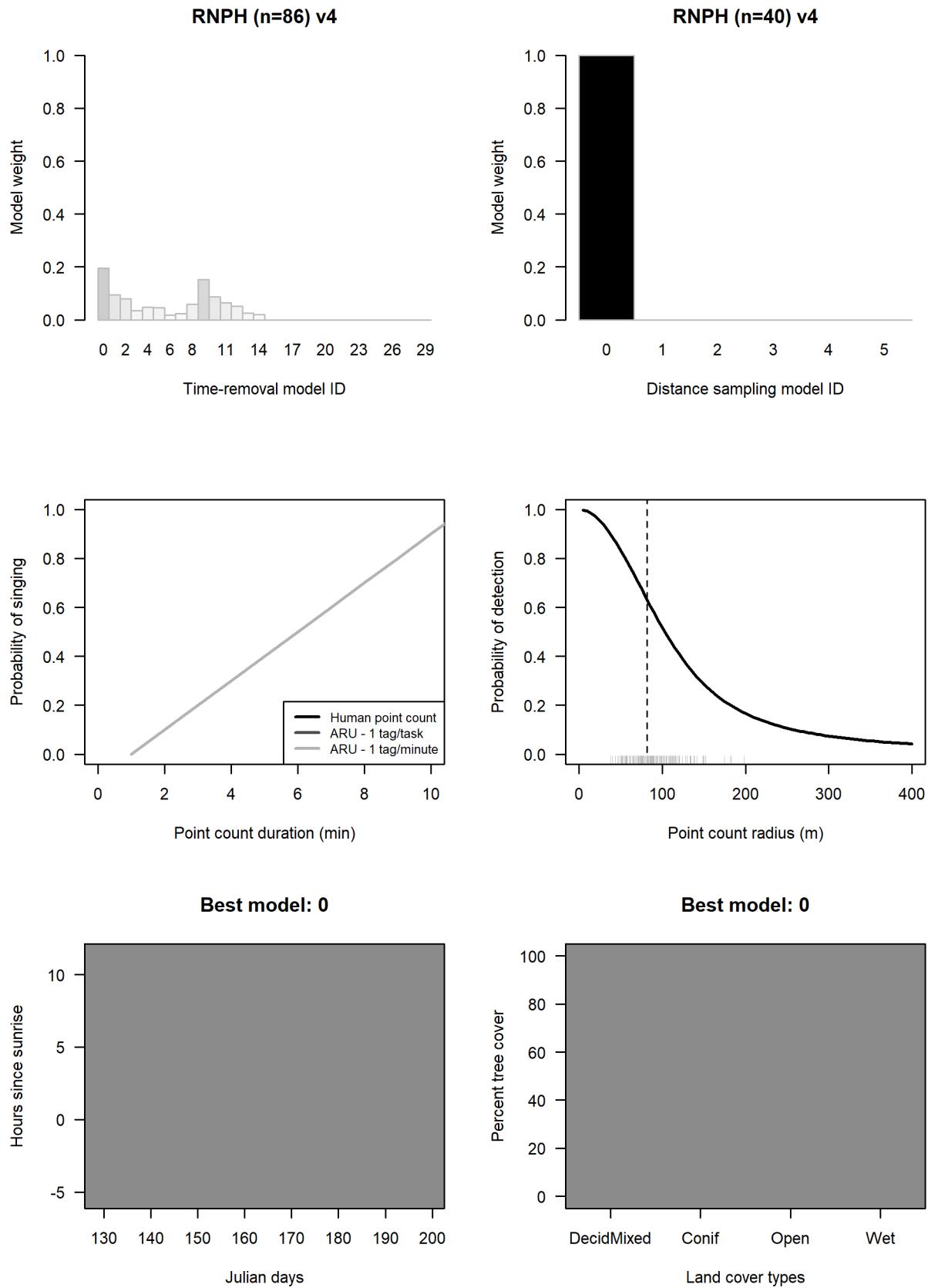


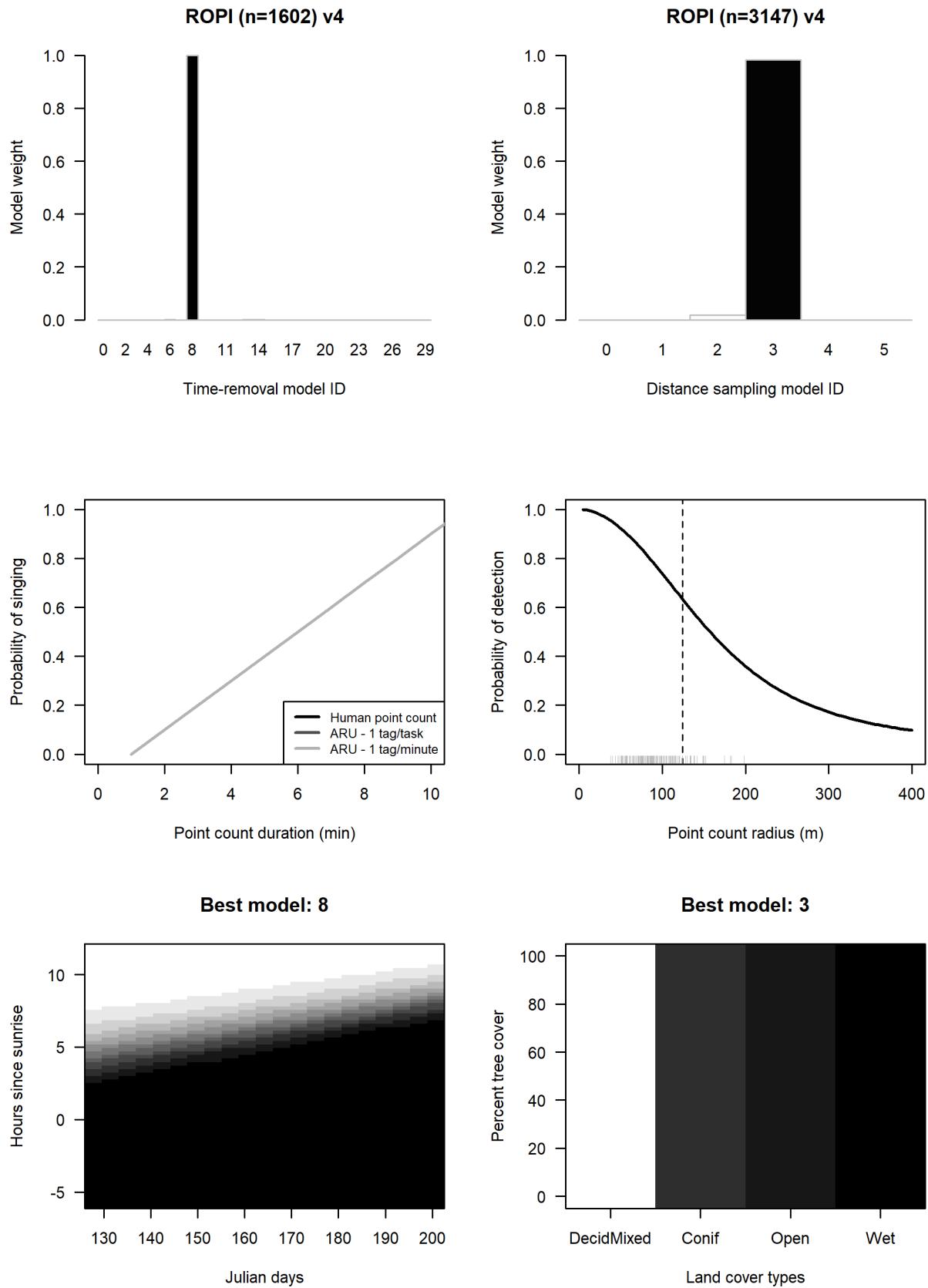
Best model: 6

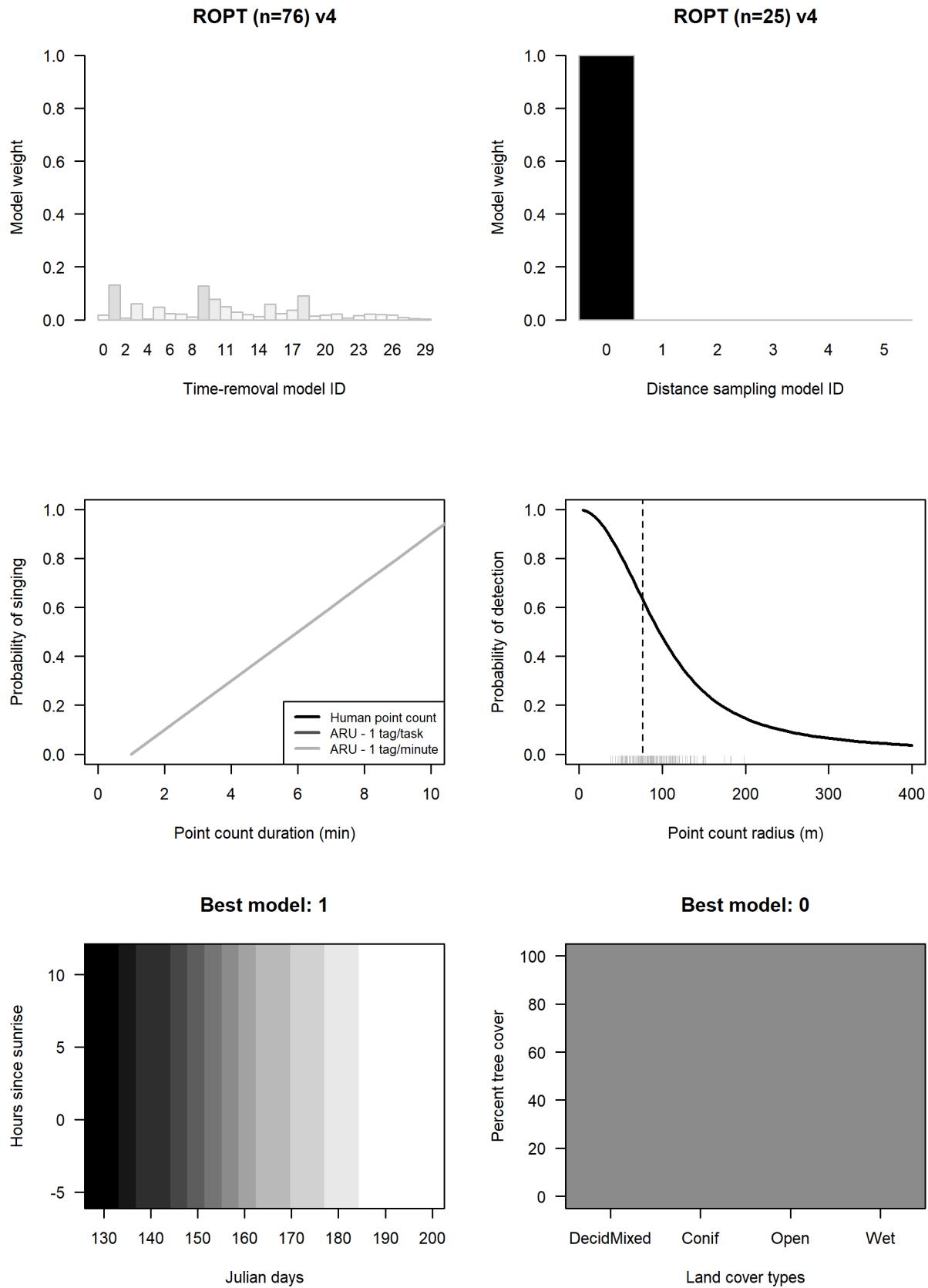


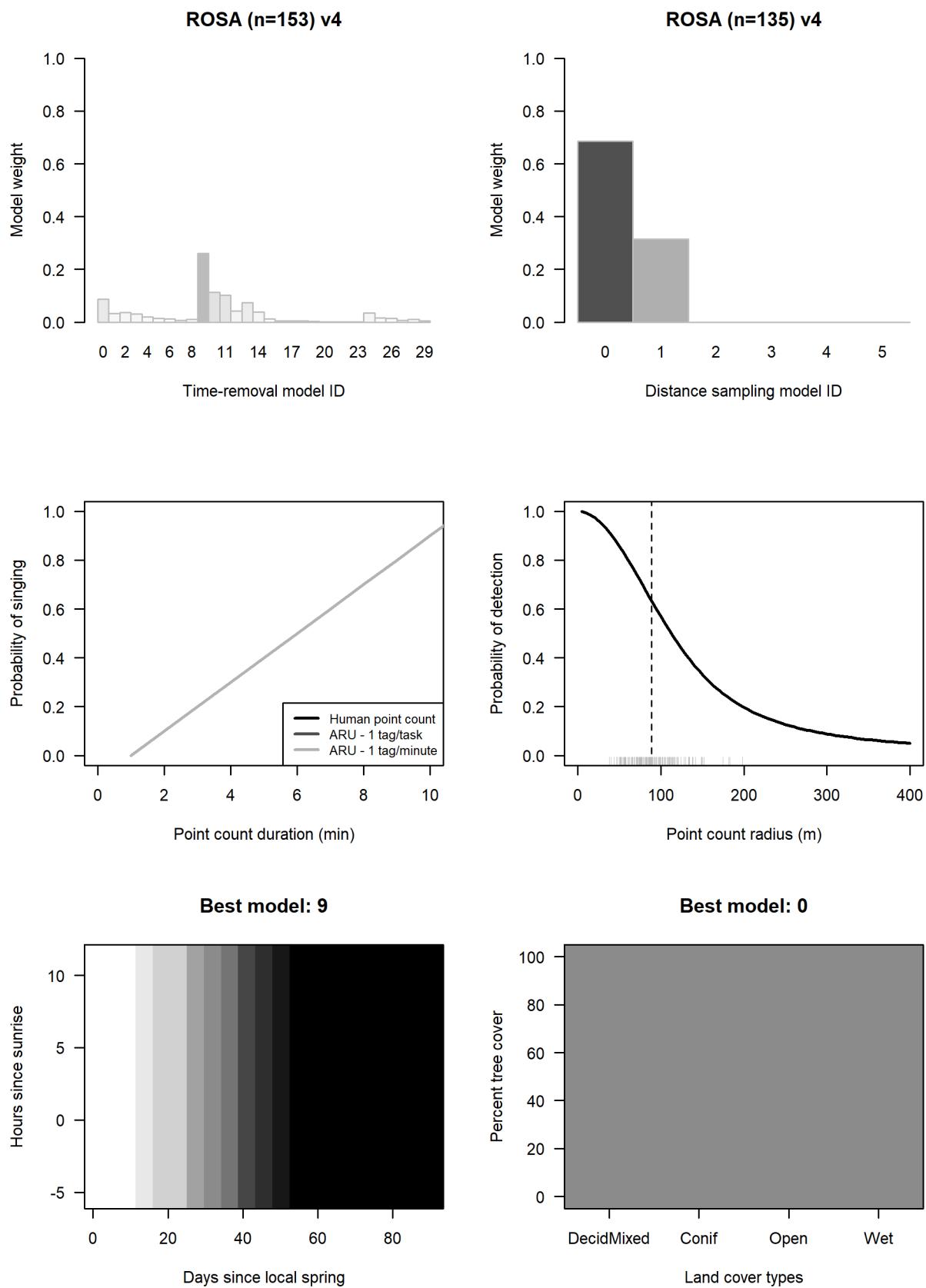
Best model: 0

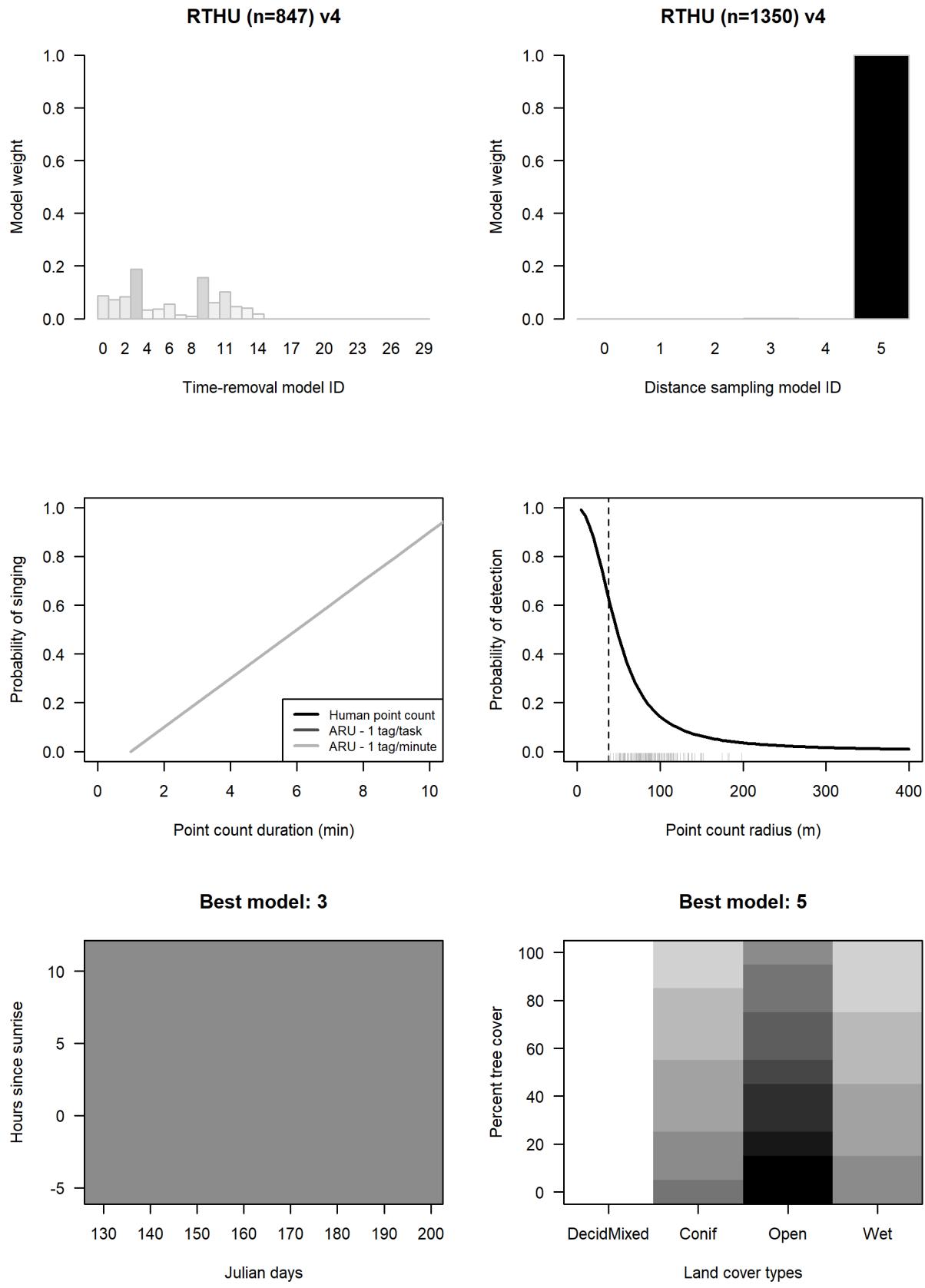


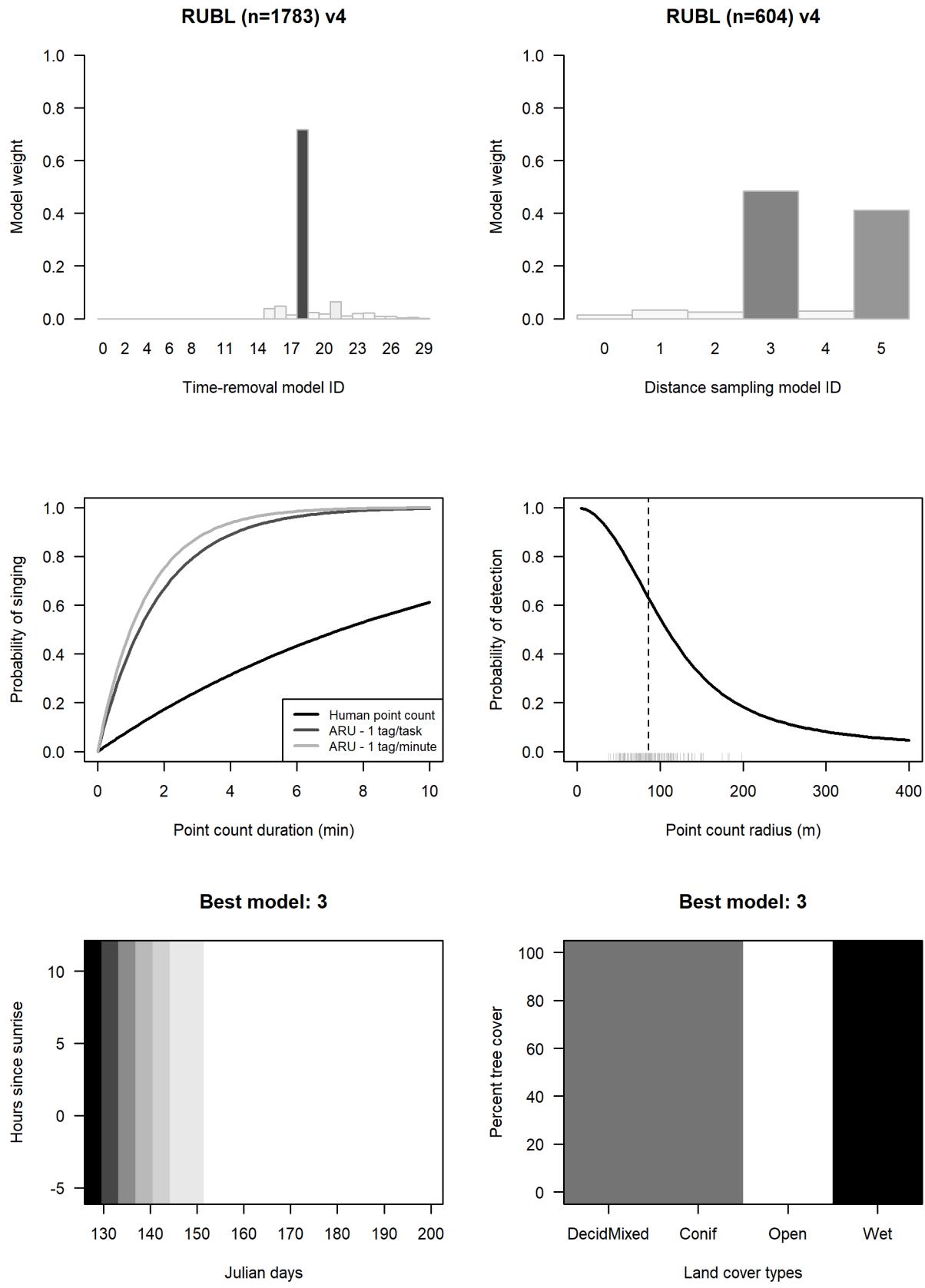


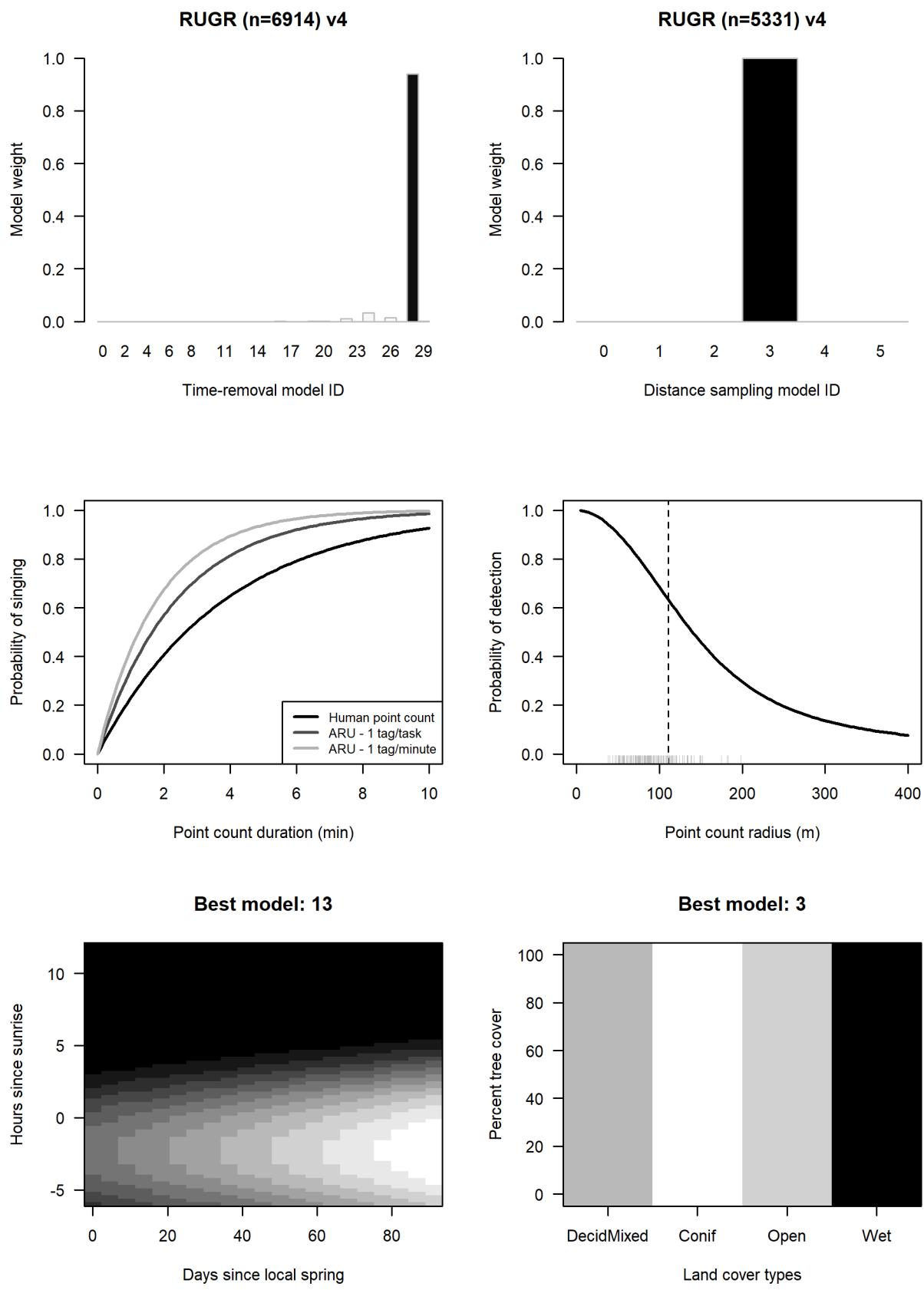


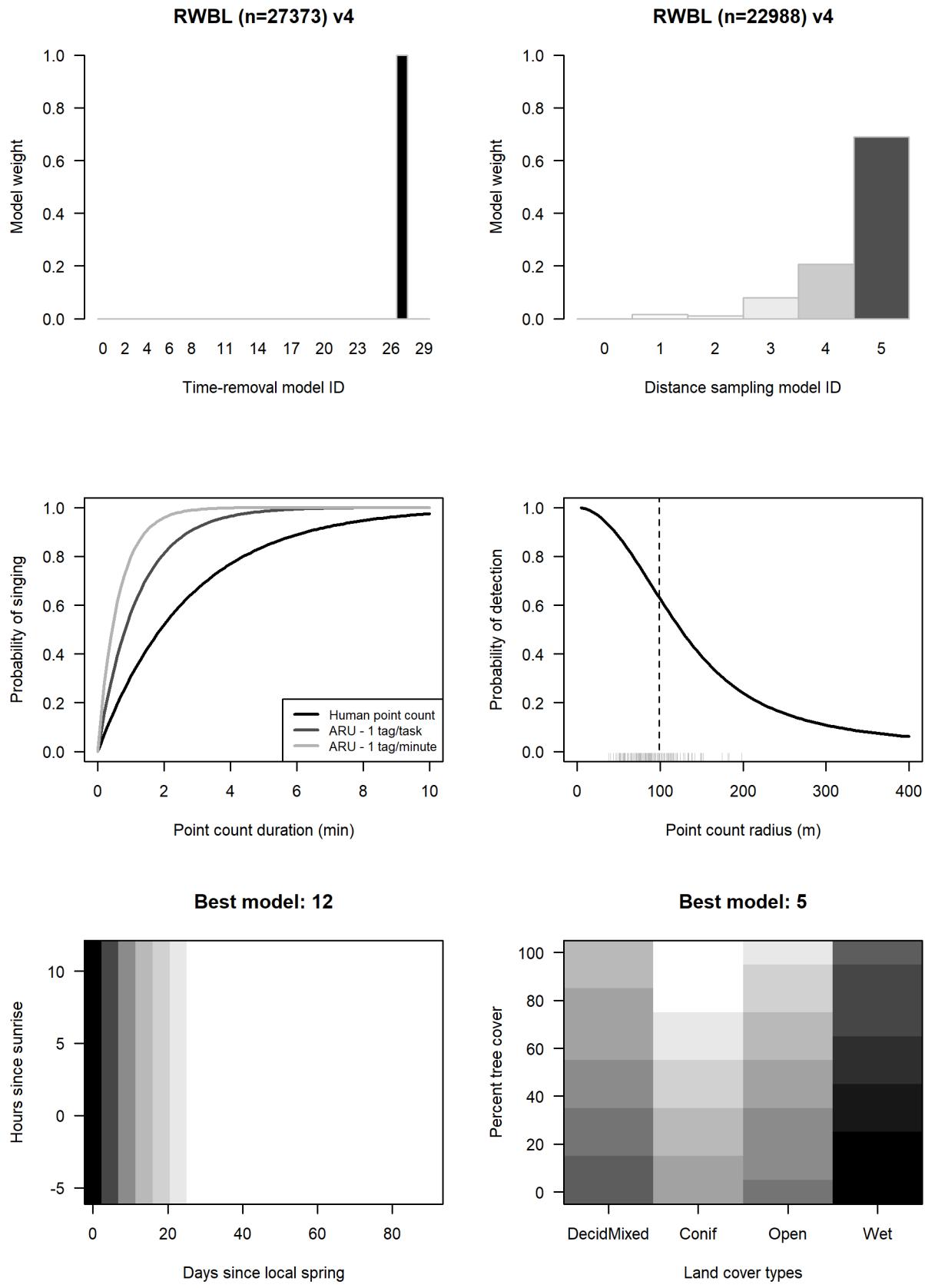


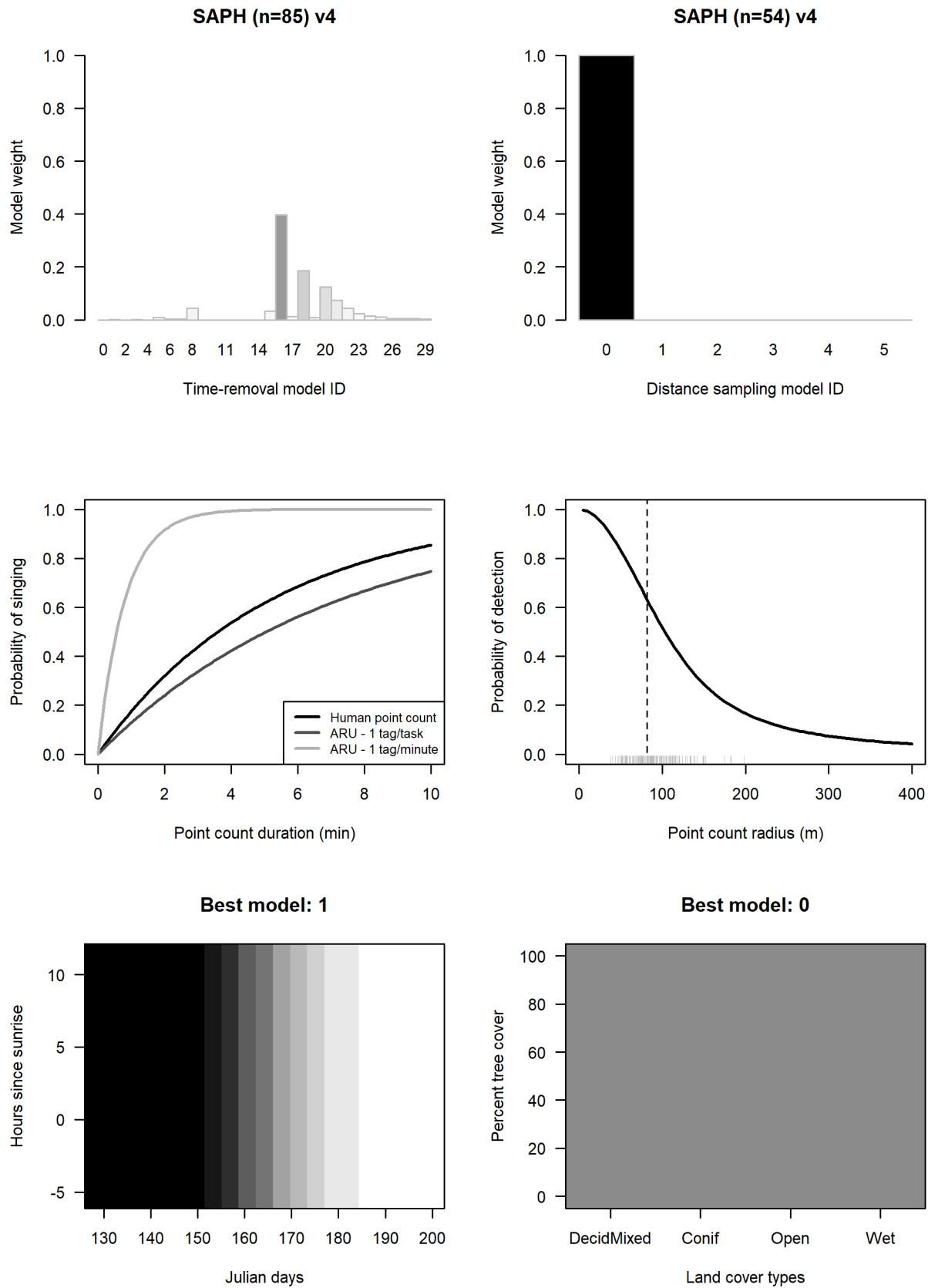




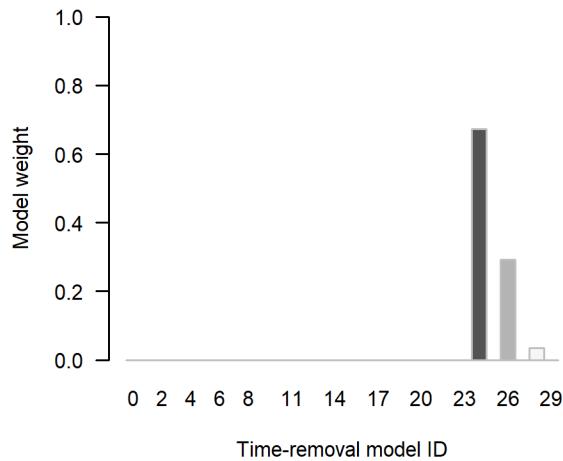




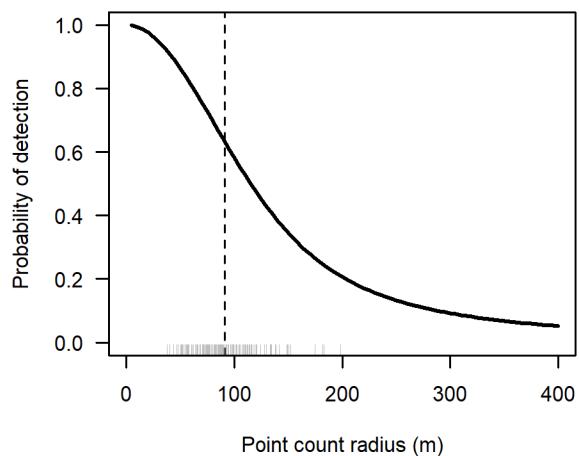
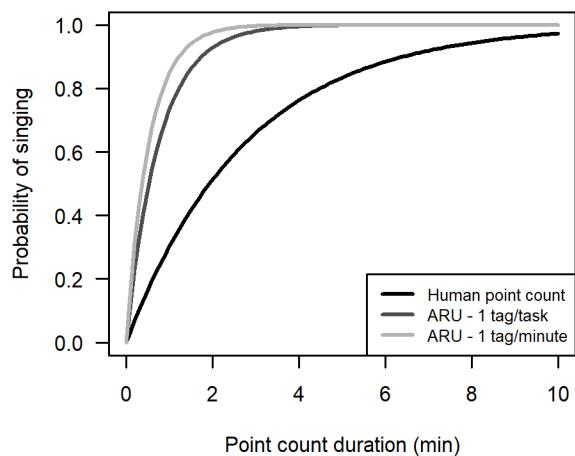
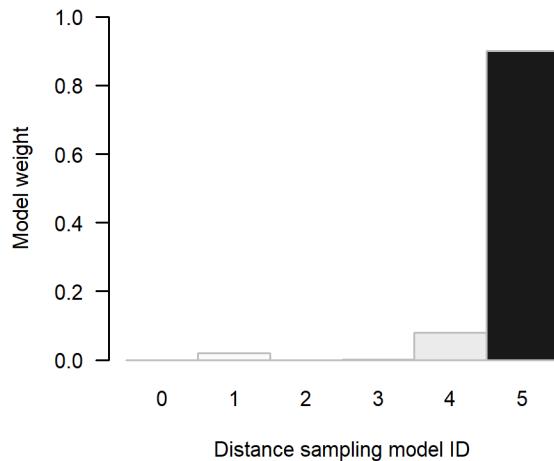




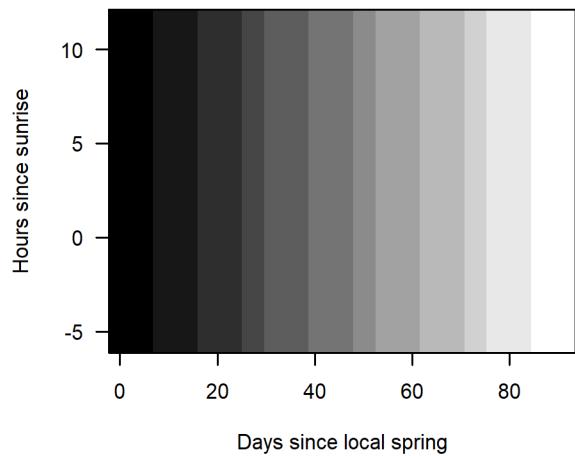
SAVS (n=21395) v4



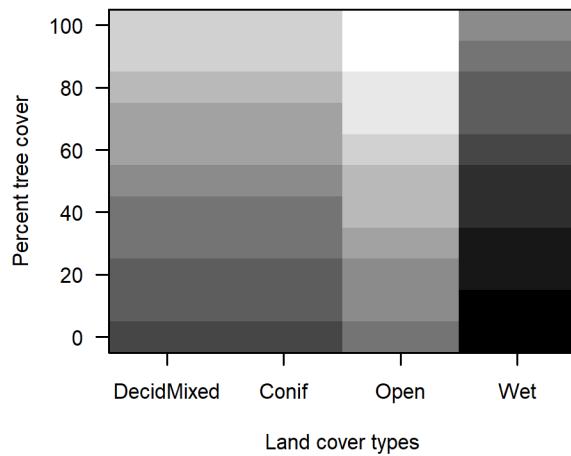
SAVS (n=12123) v4

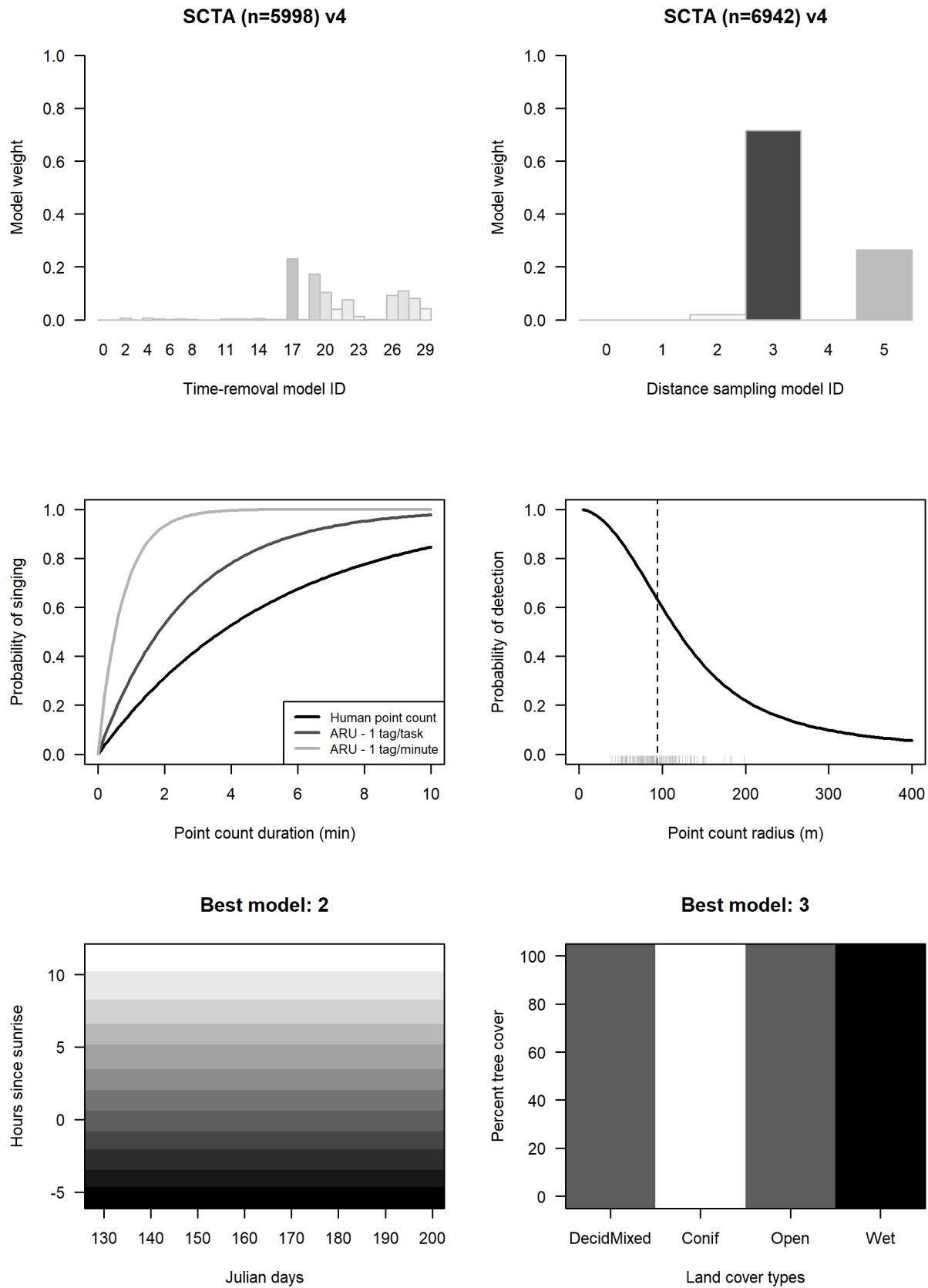


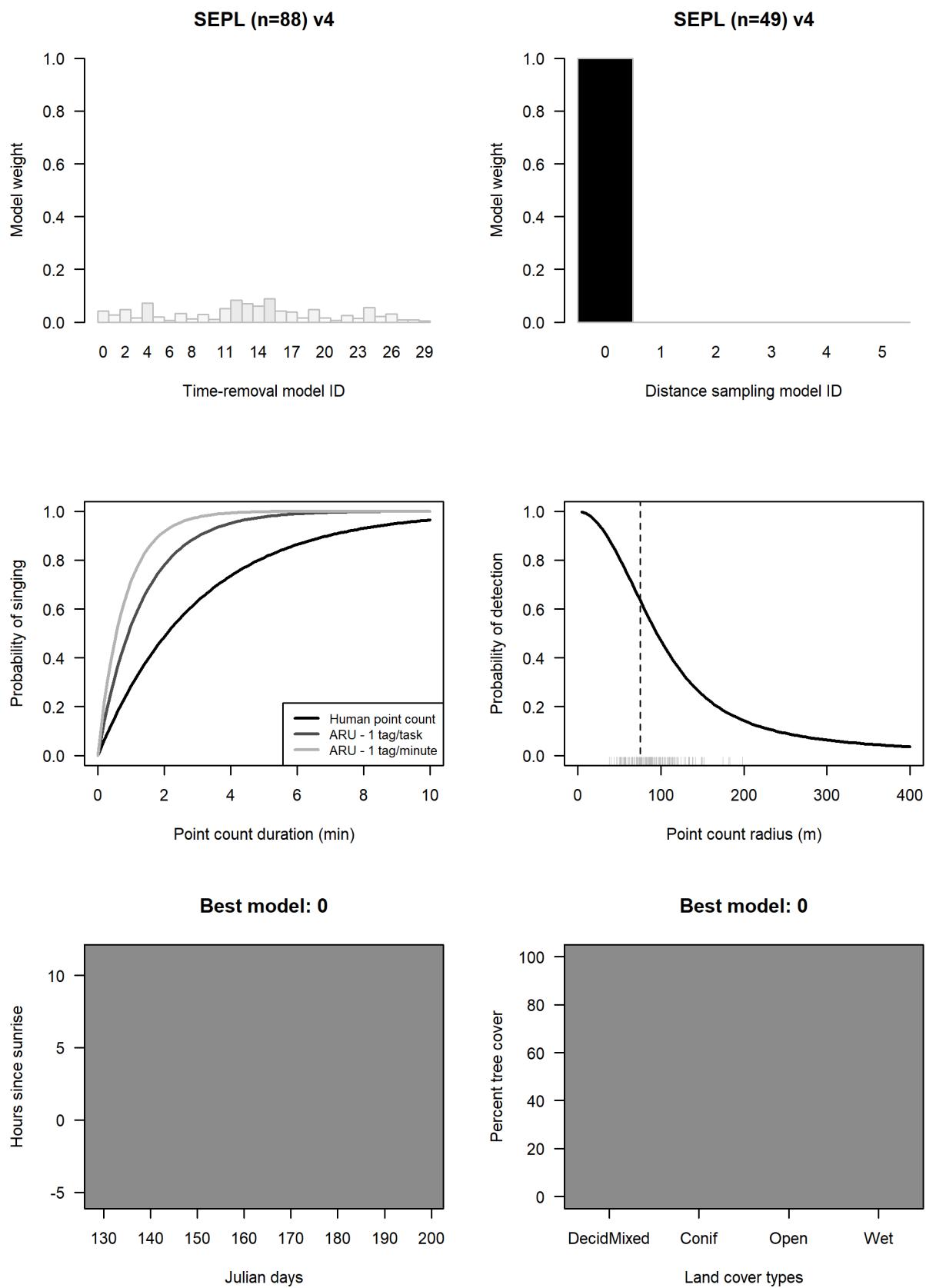
Best model: 9

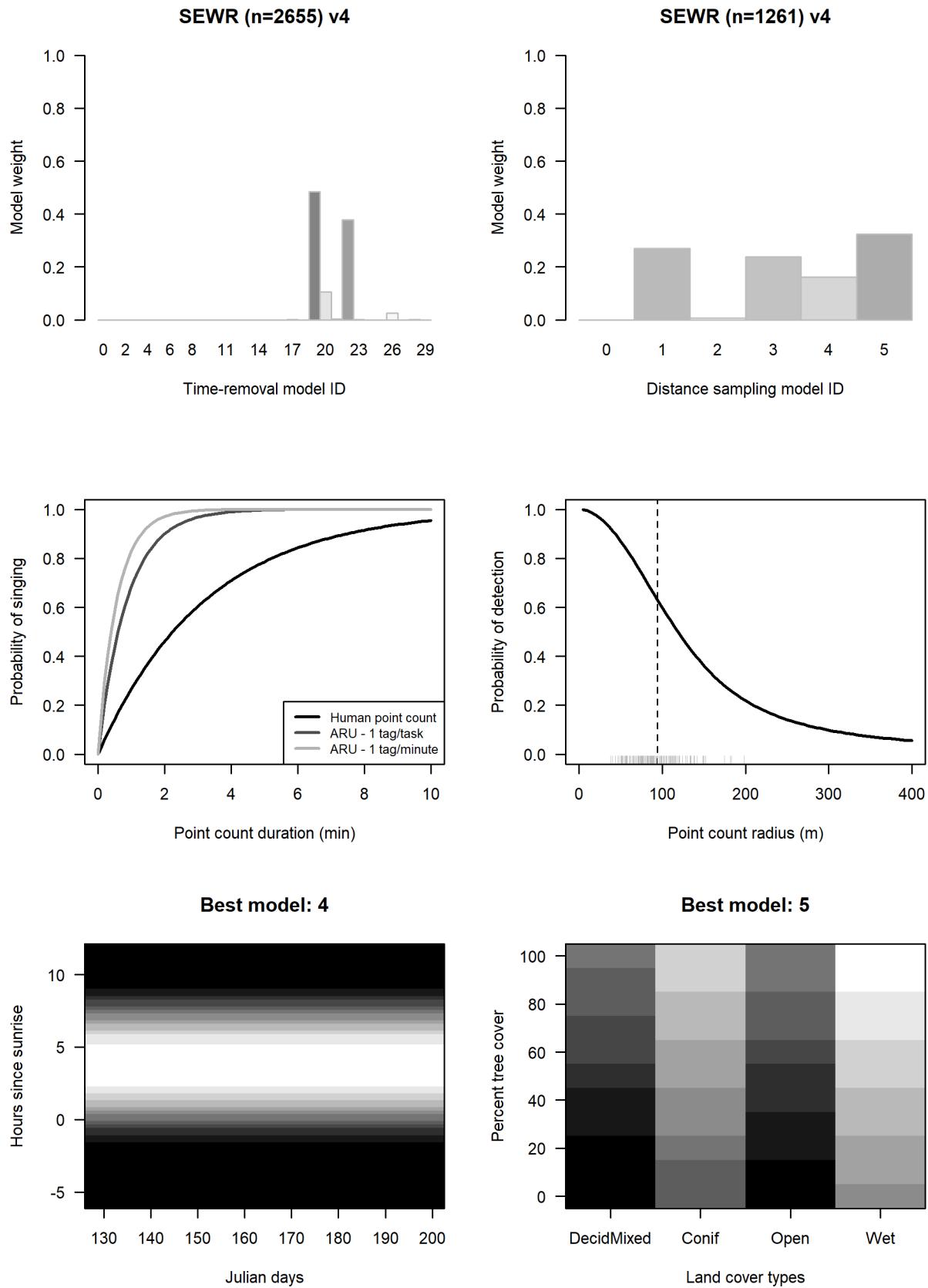


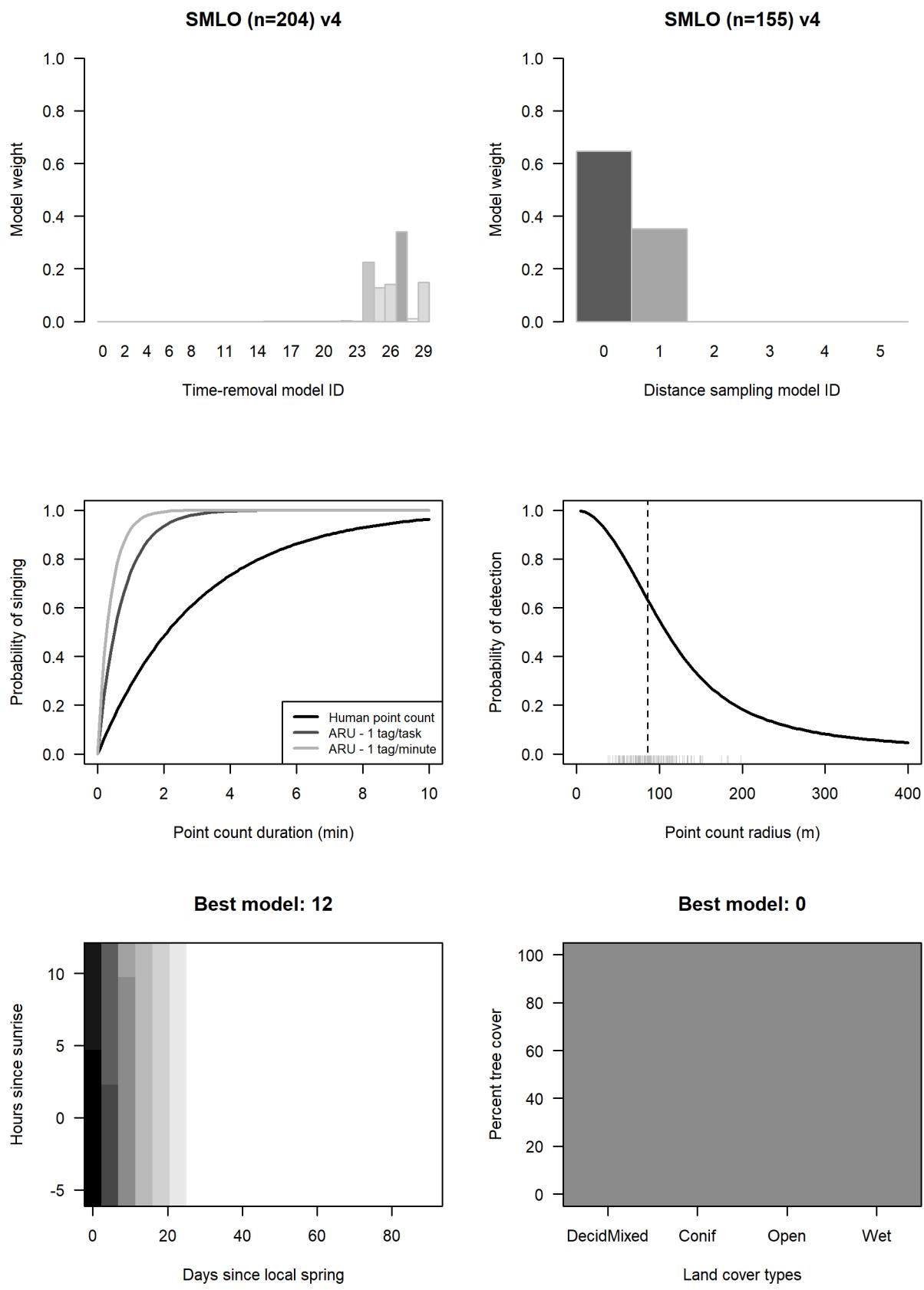
Best model: 5

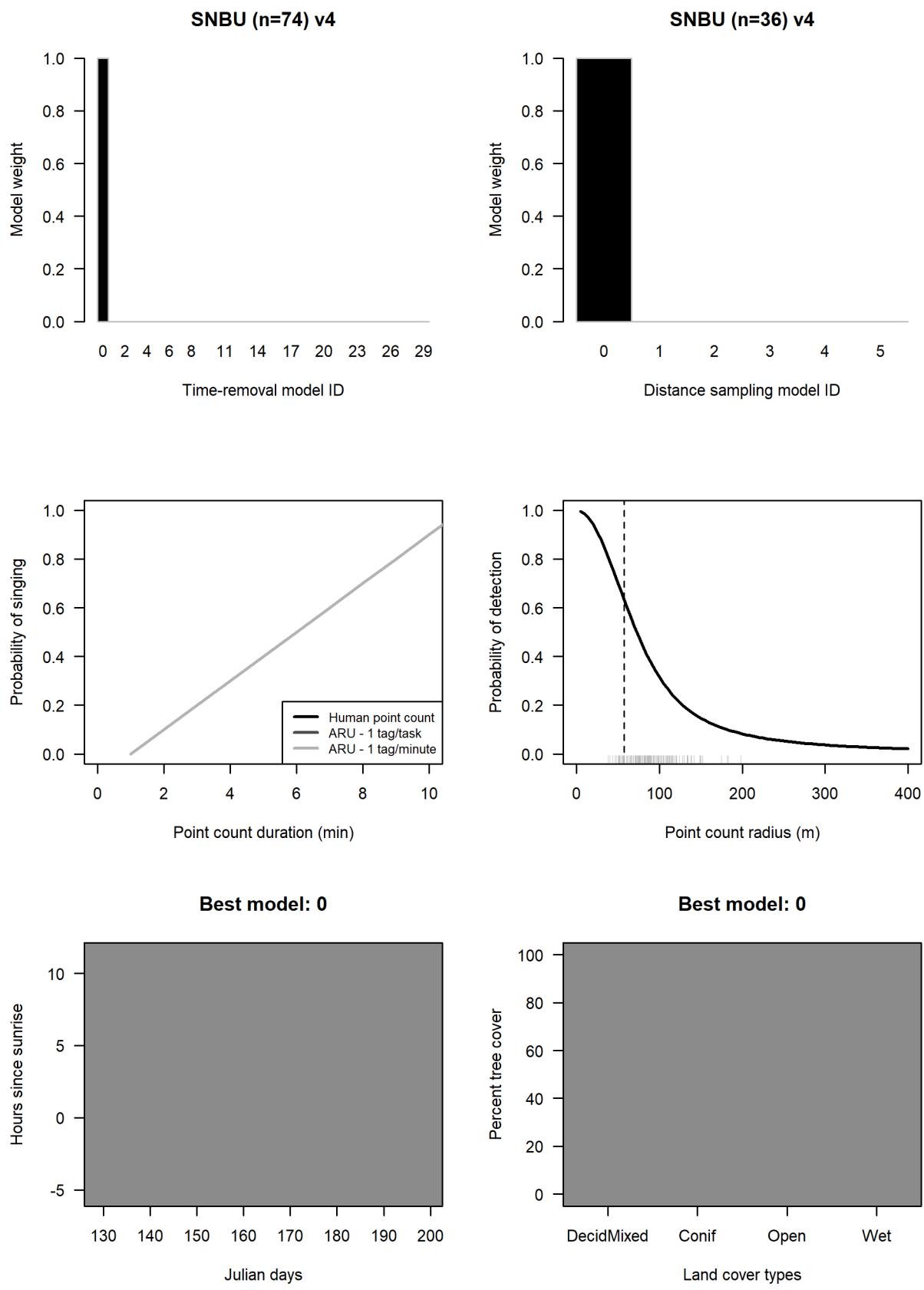


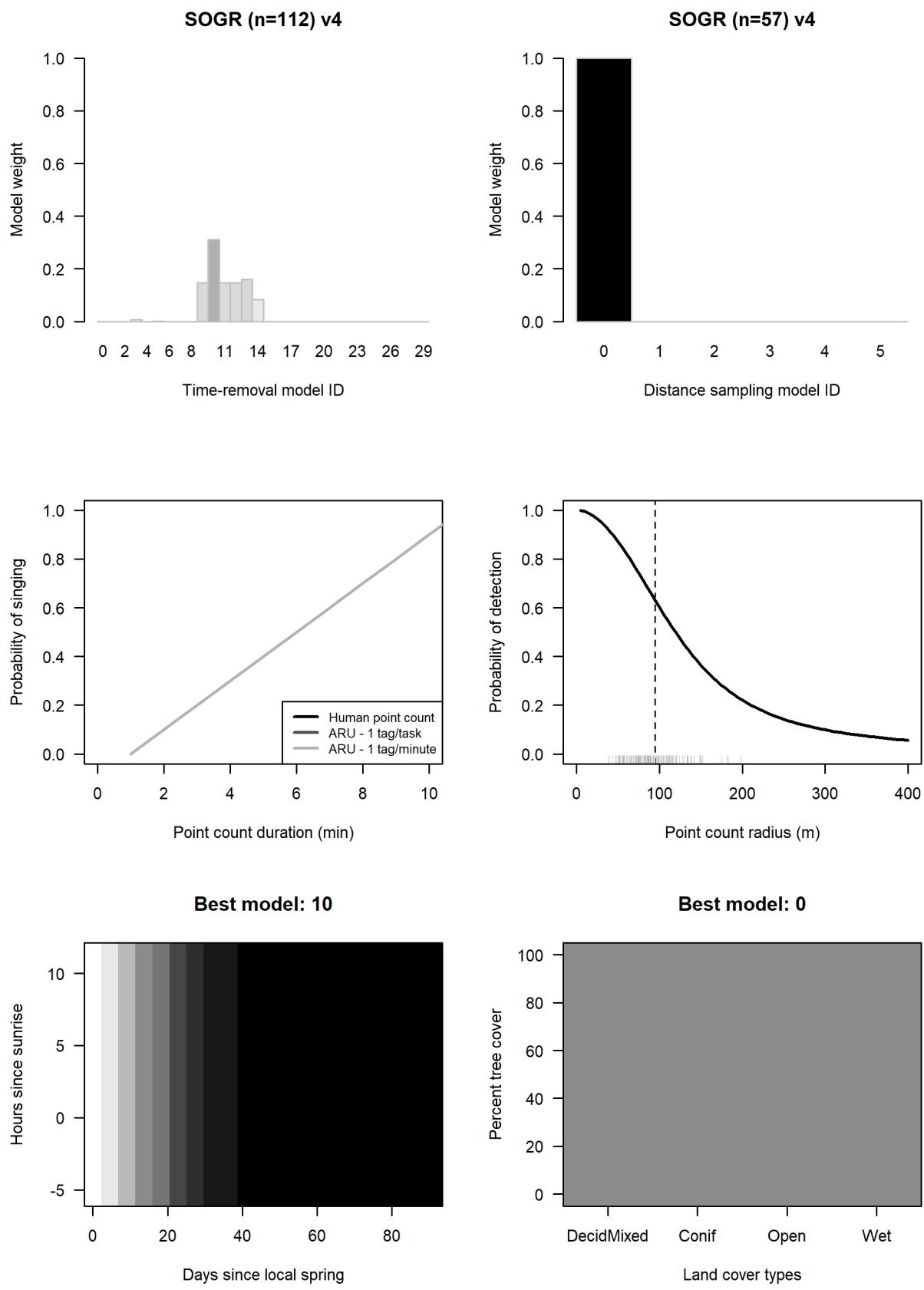




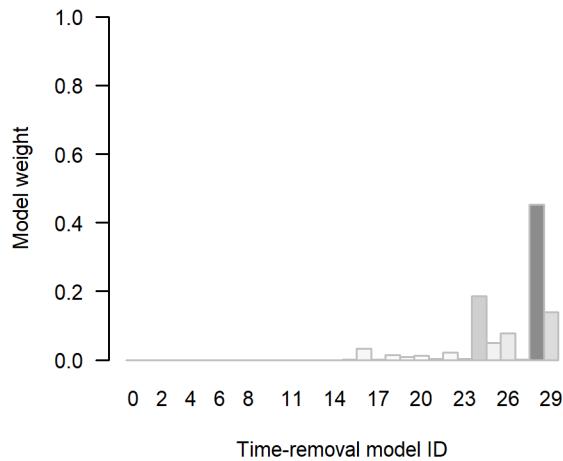




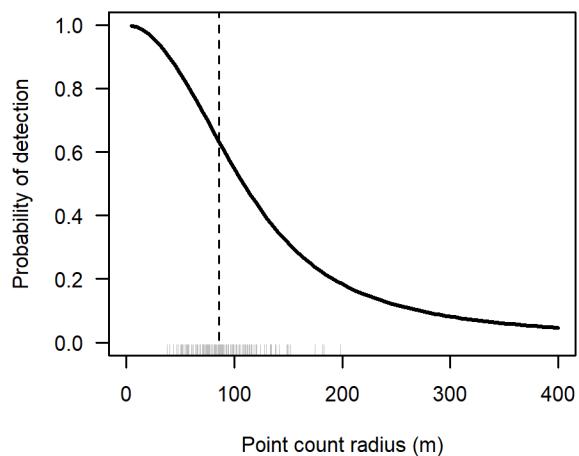
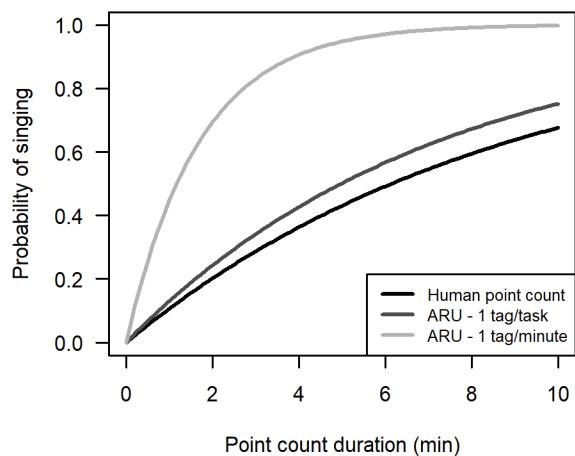
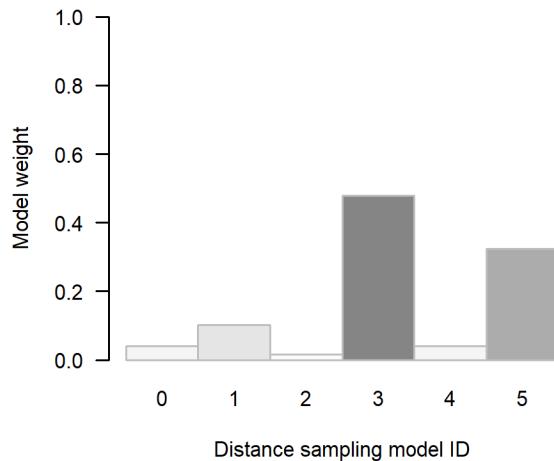




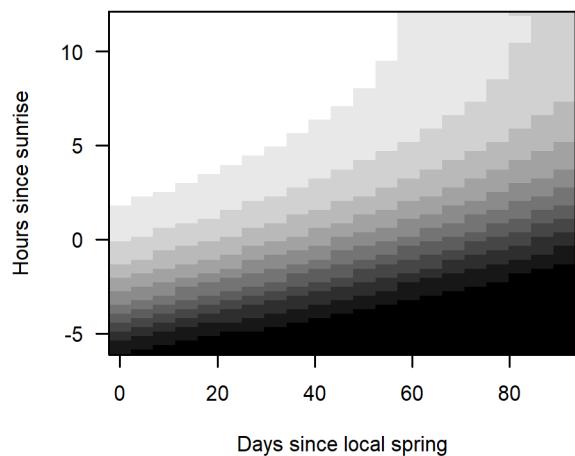
SOSA (n=2031) v4



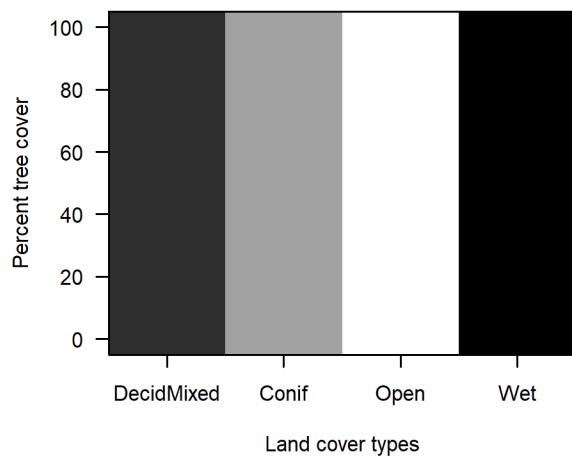
SOSA (n=564) v4

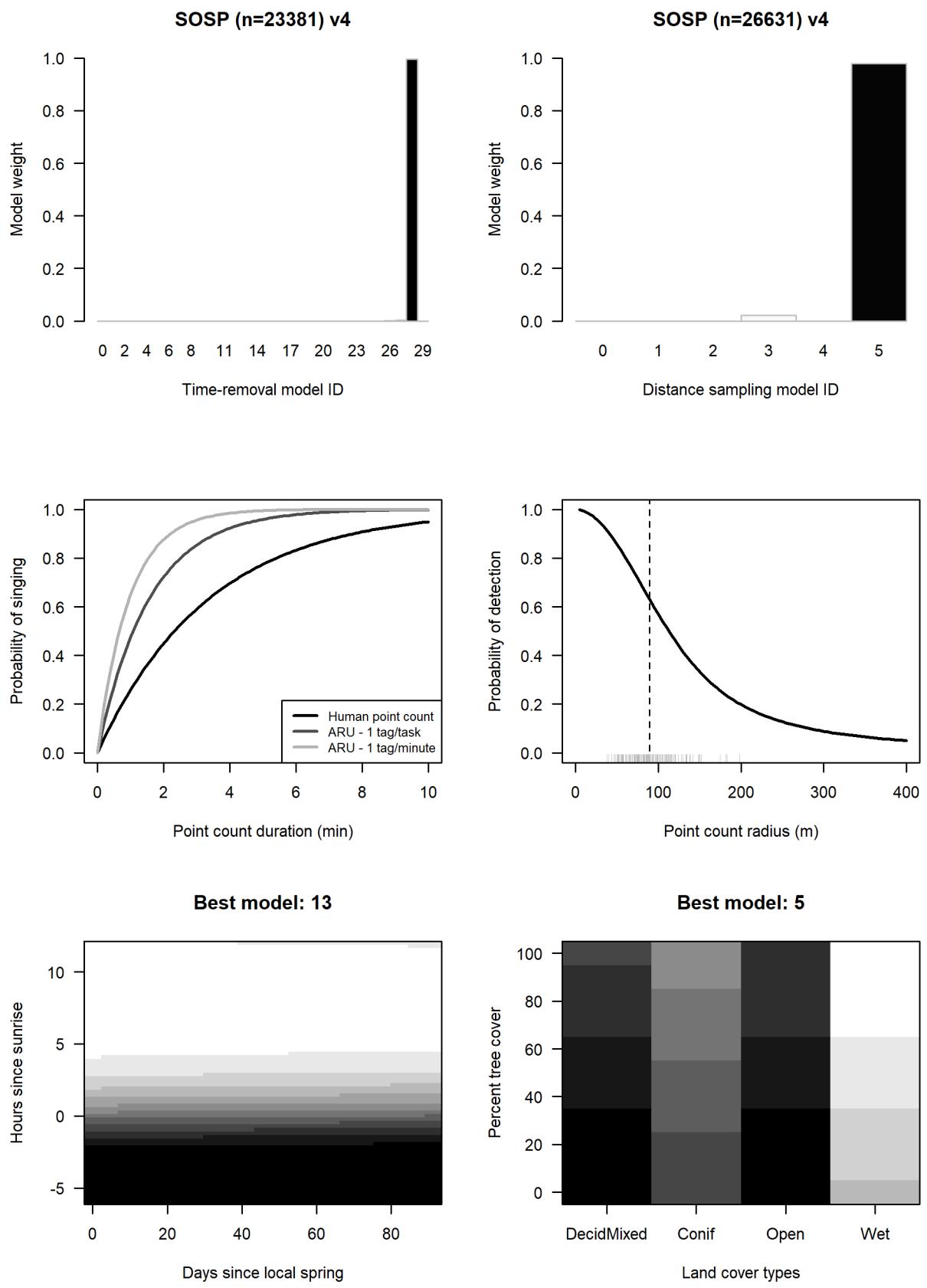


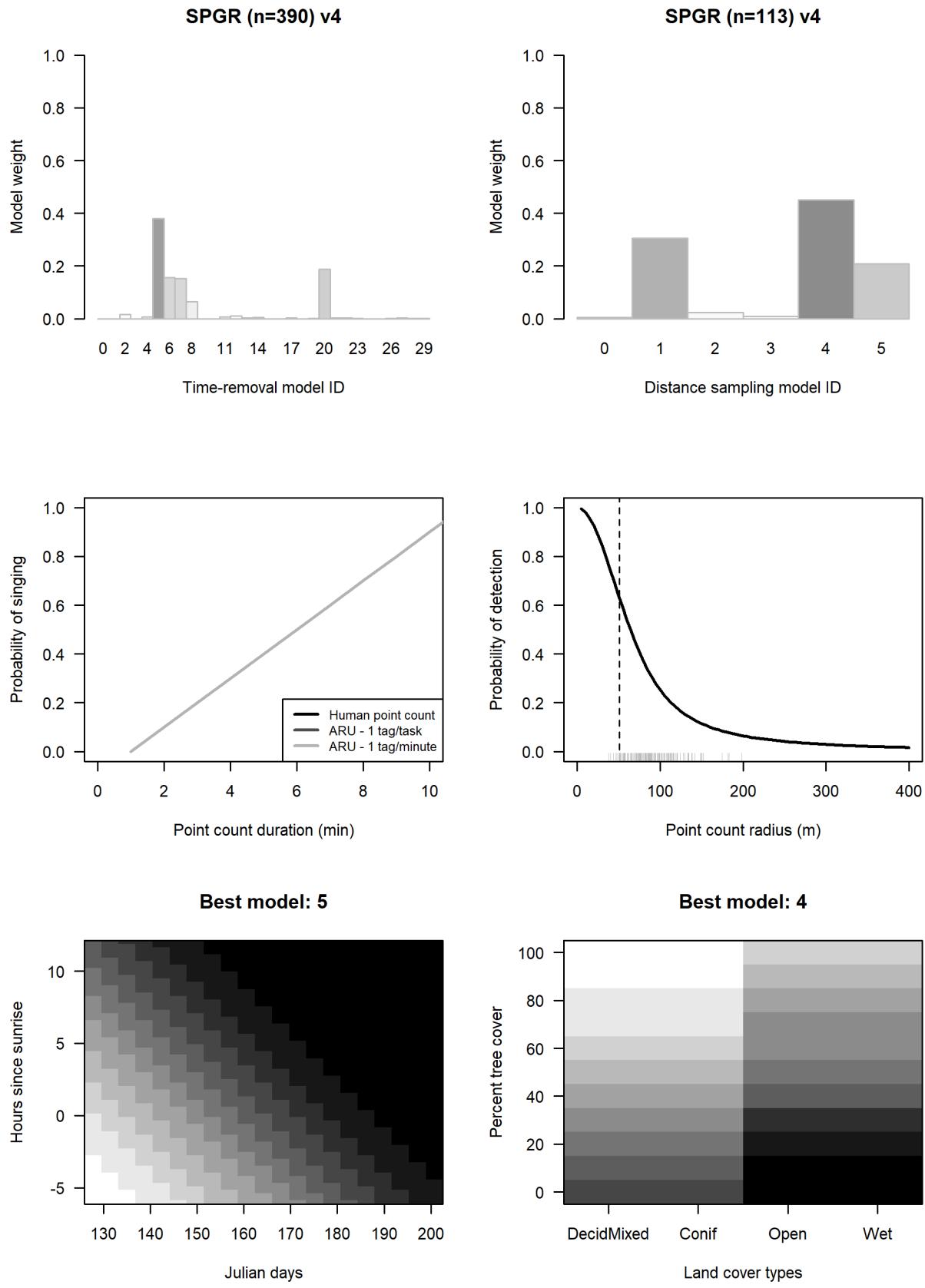
Best model: 13

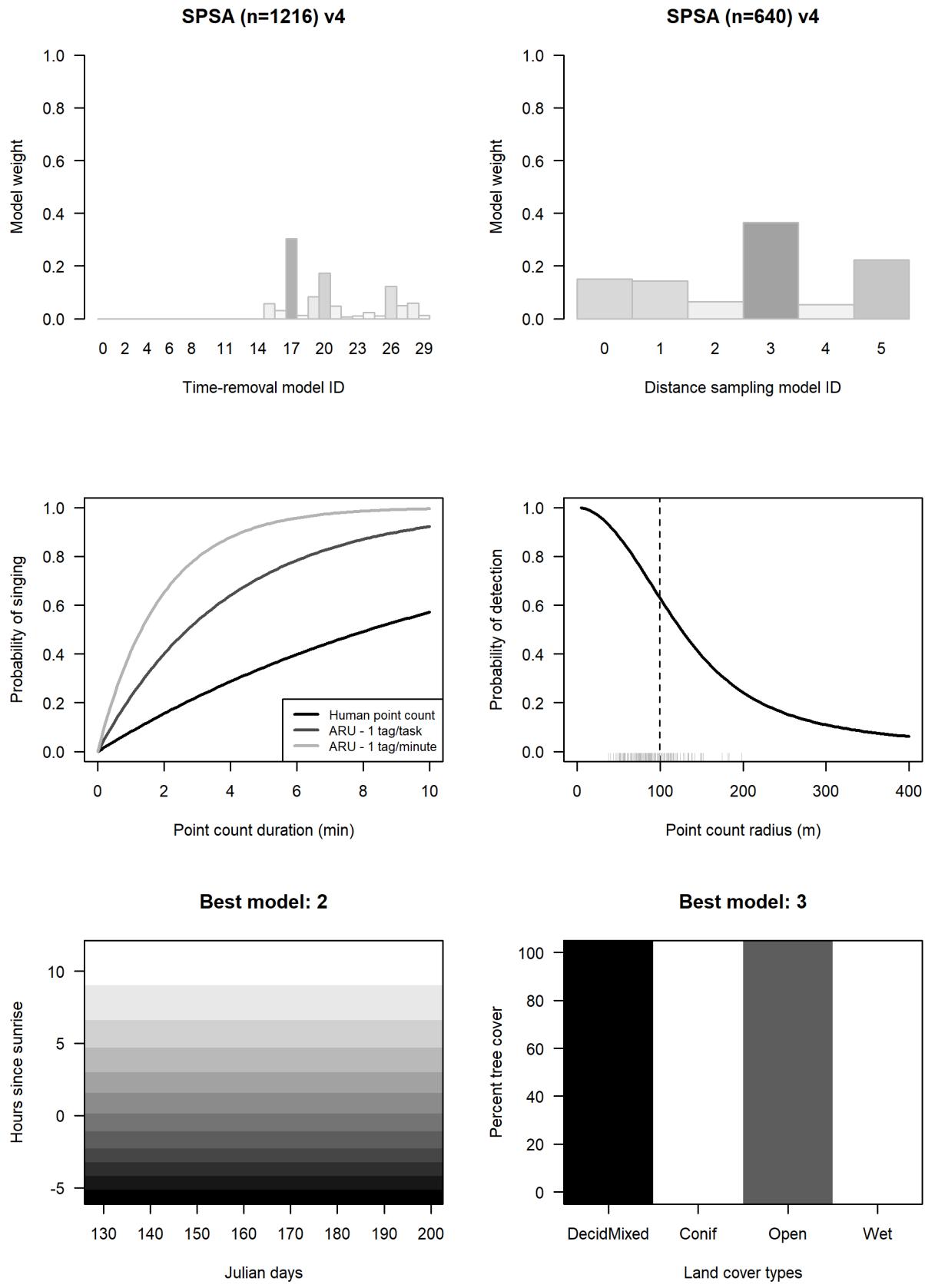


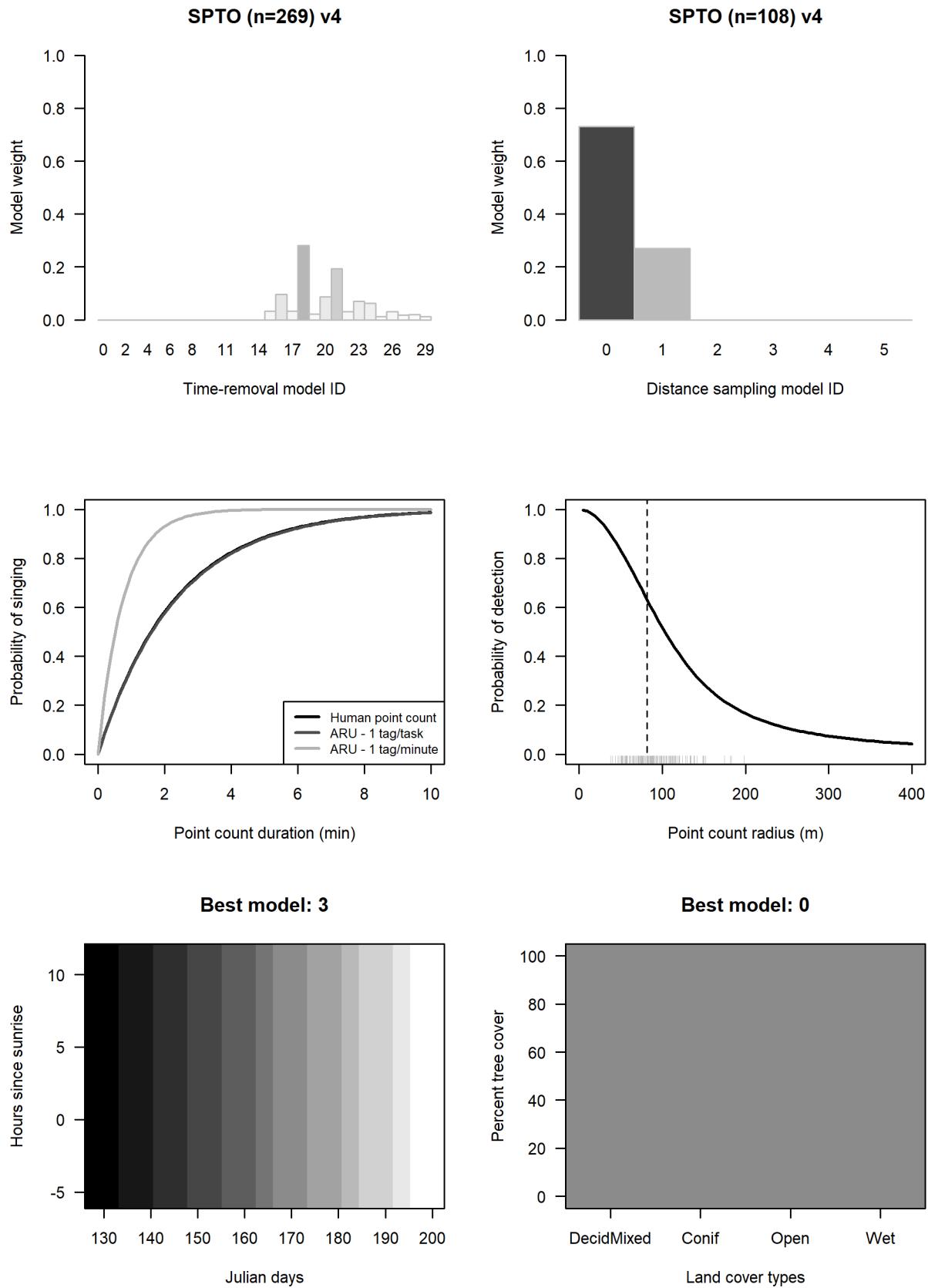
Best model: 3

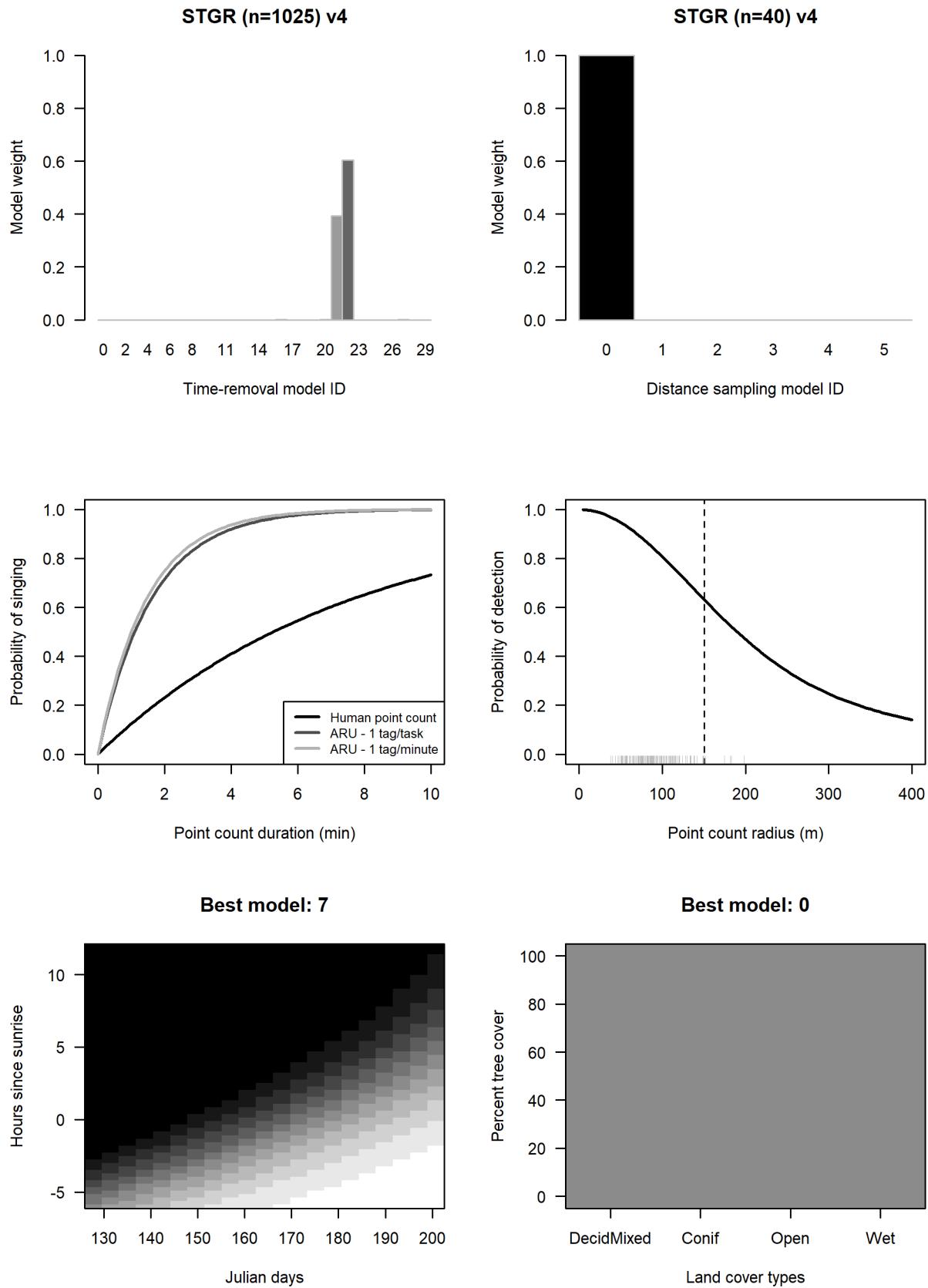


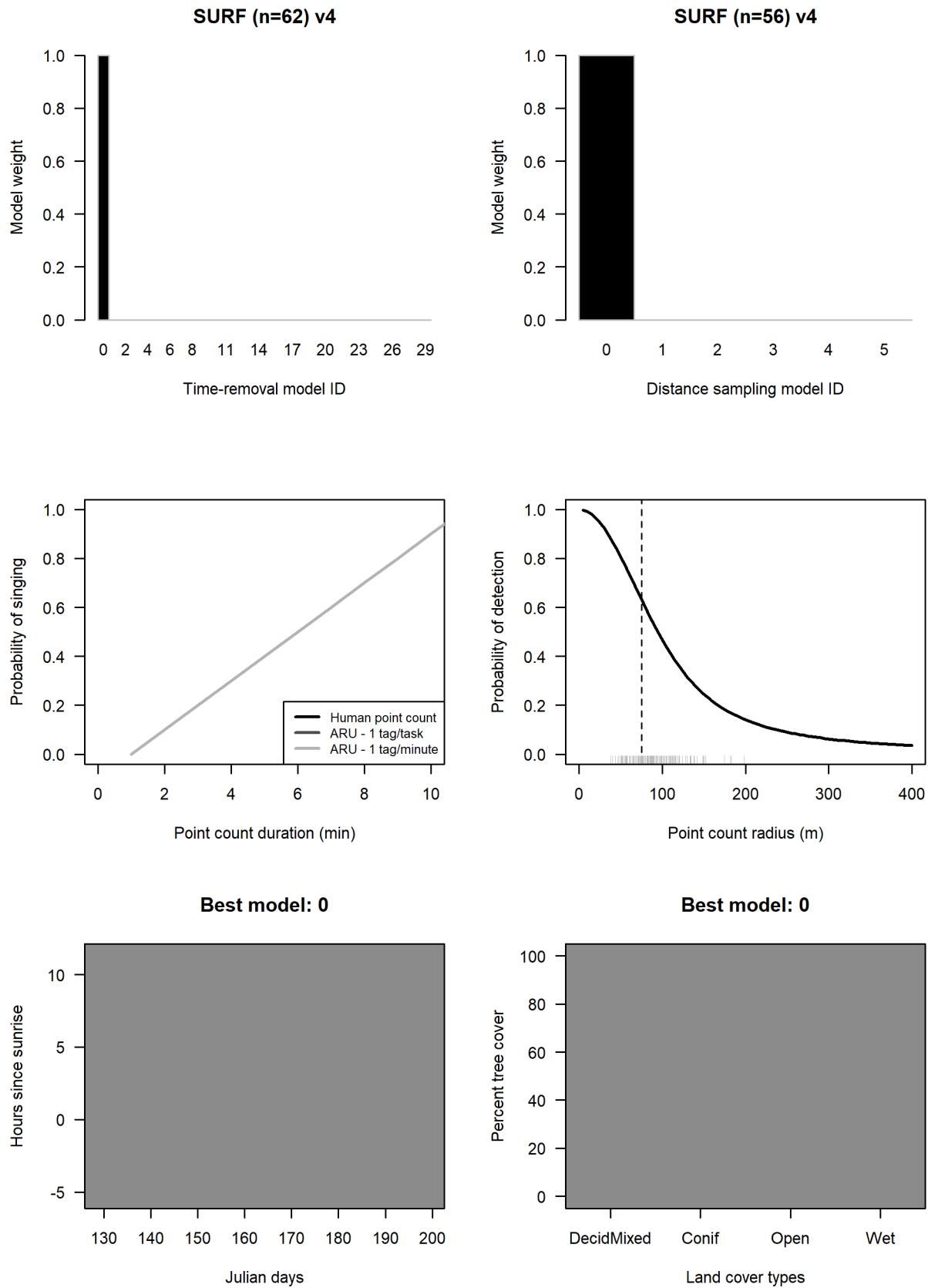


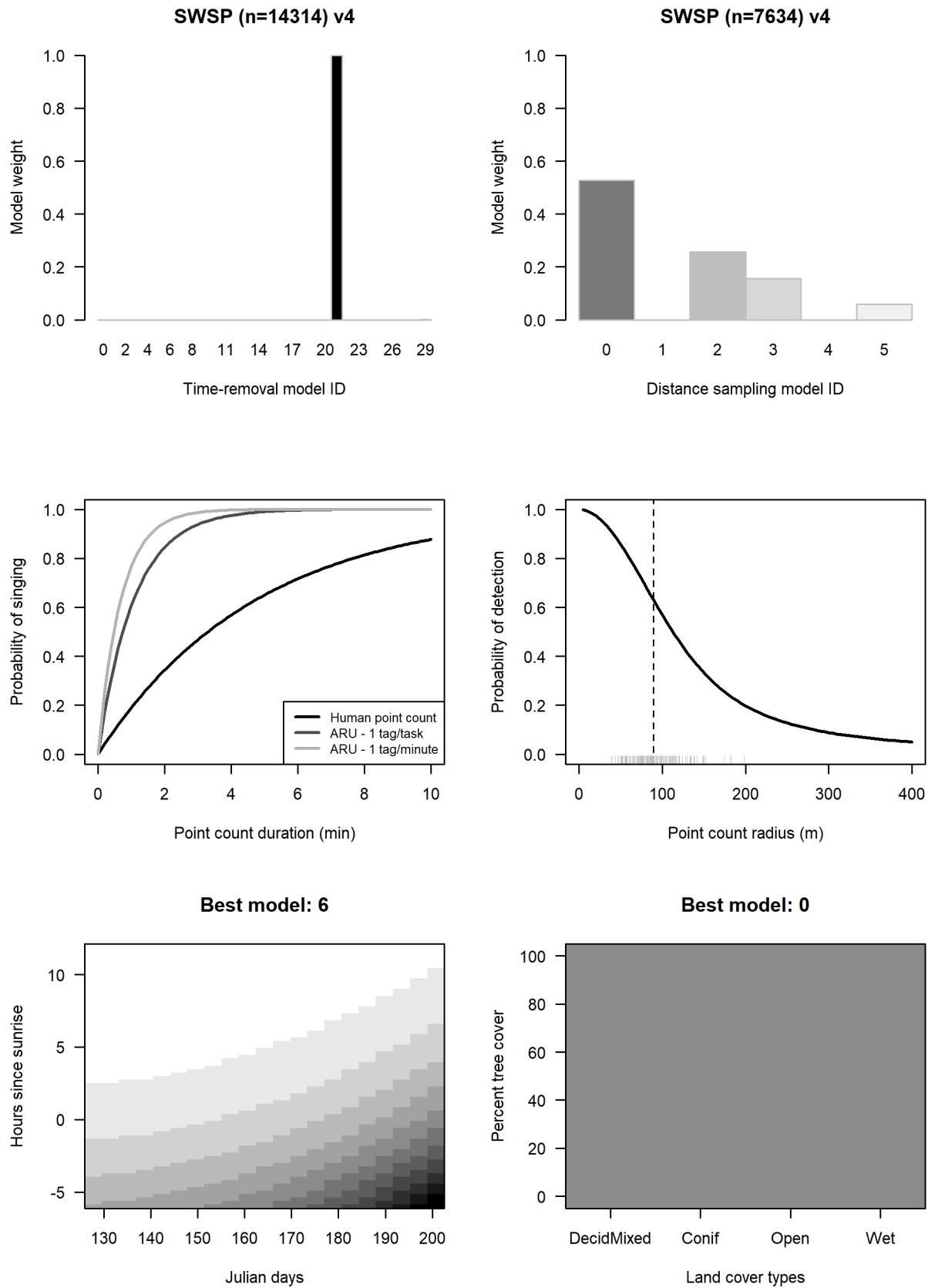


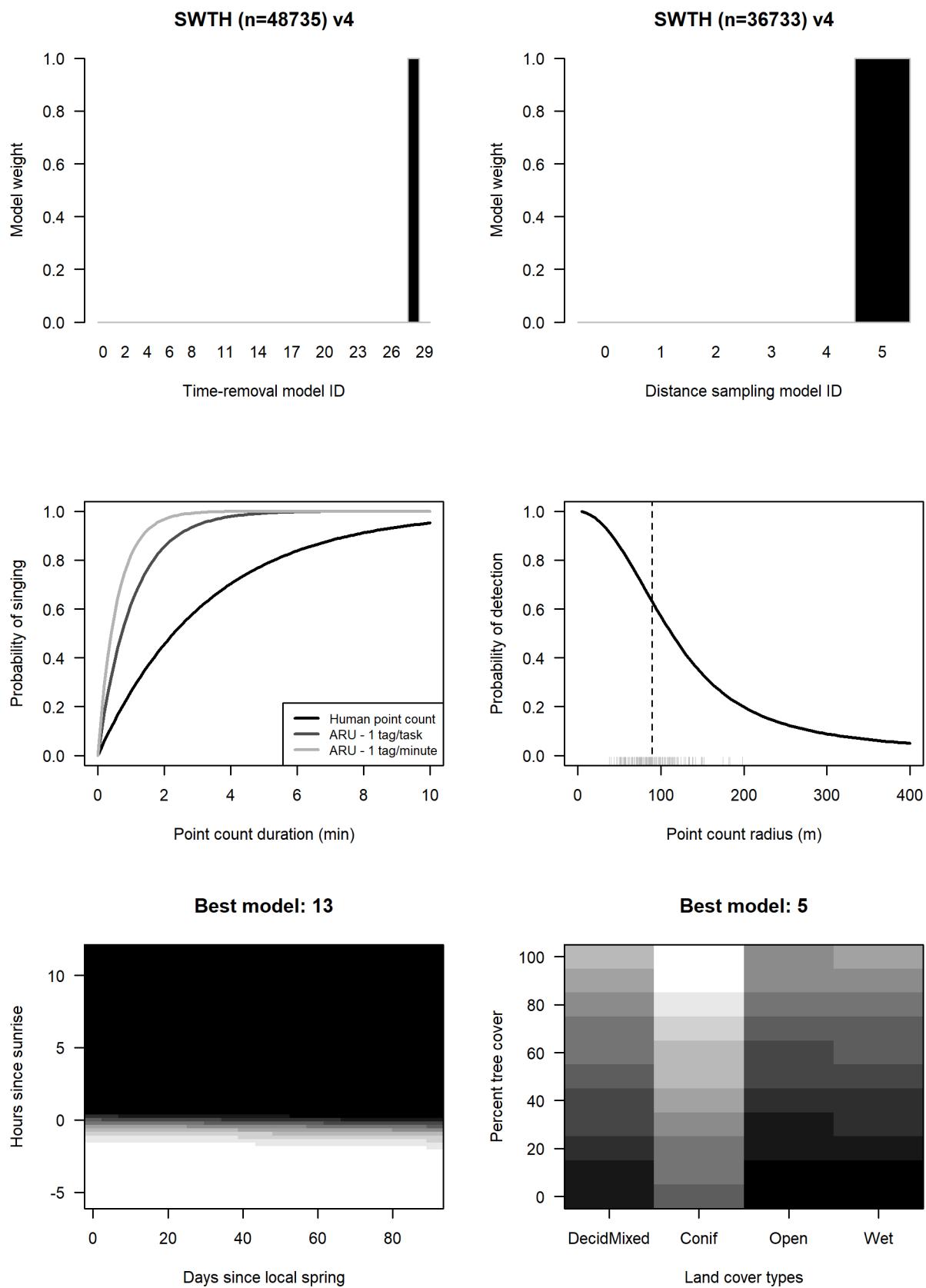


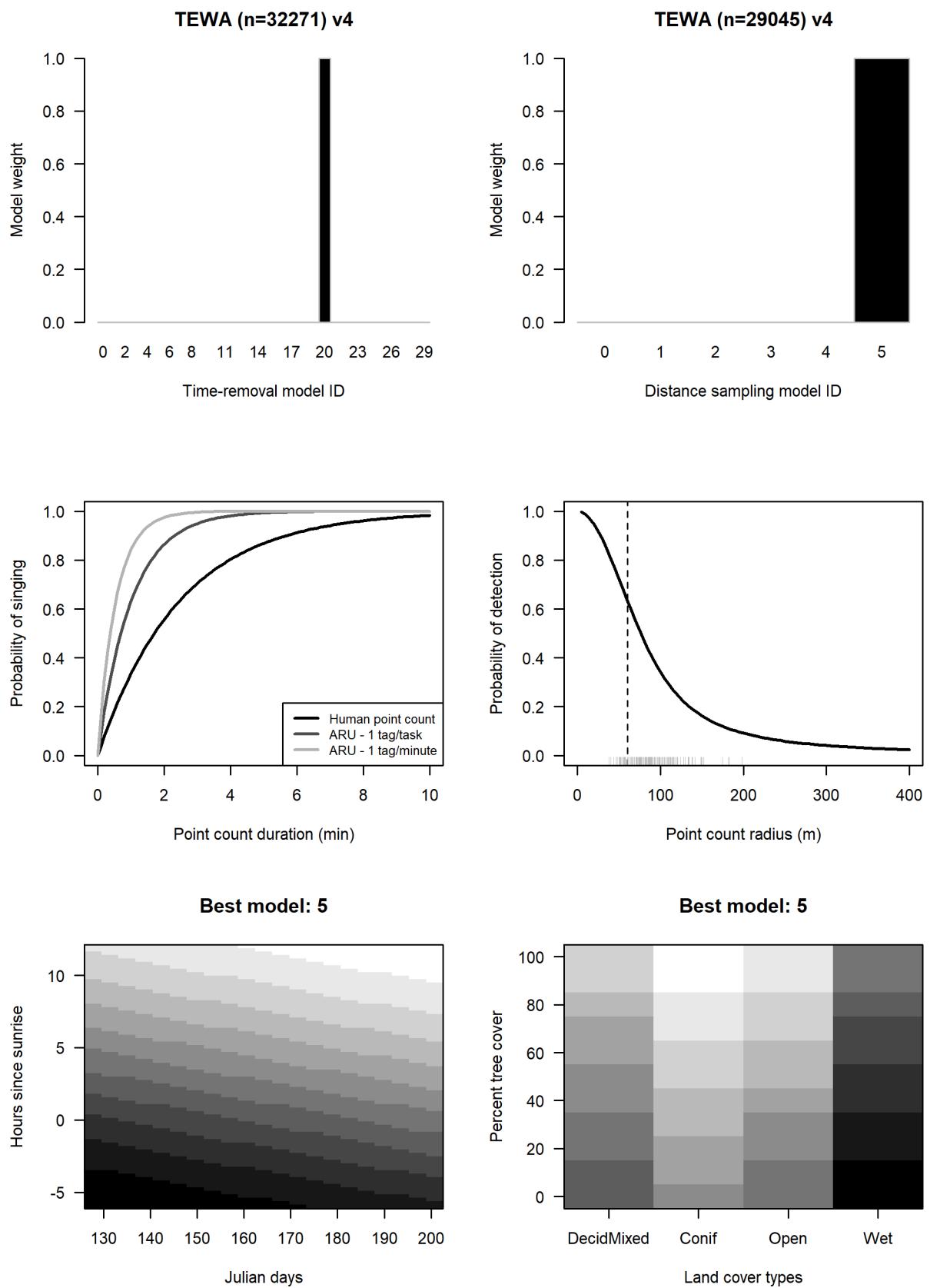


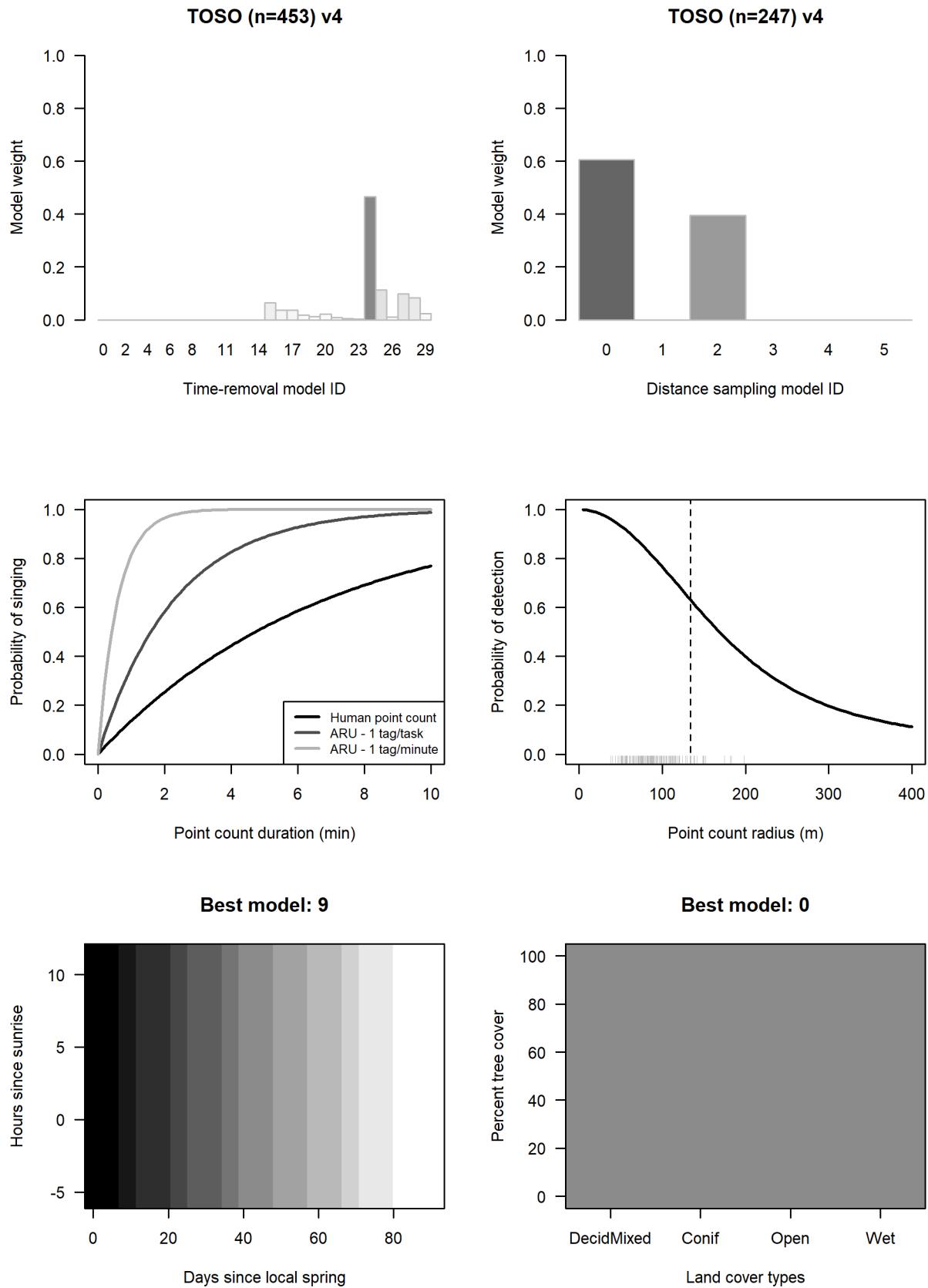


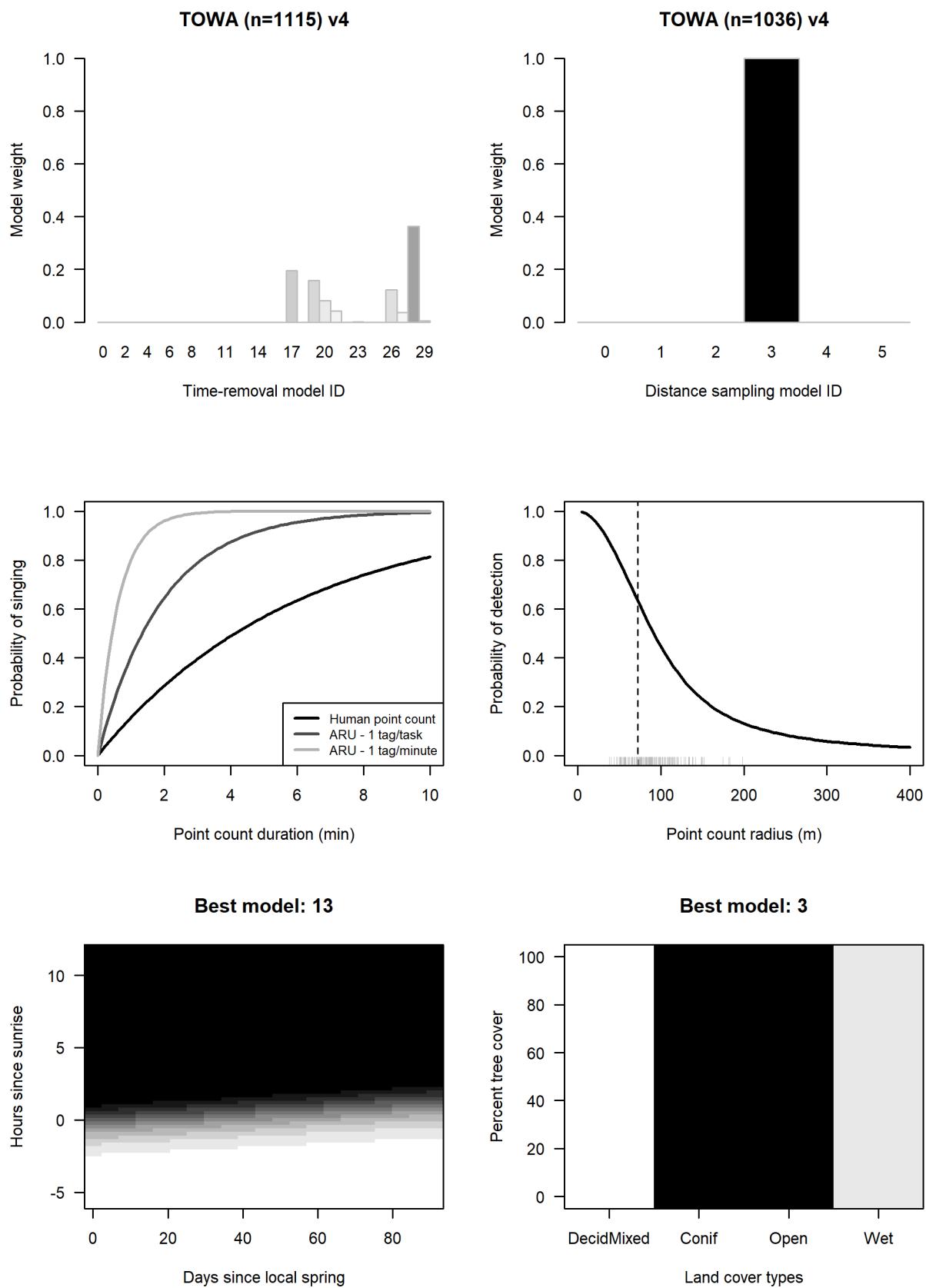


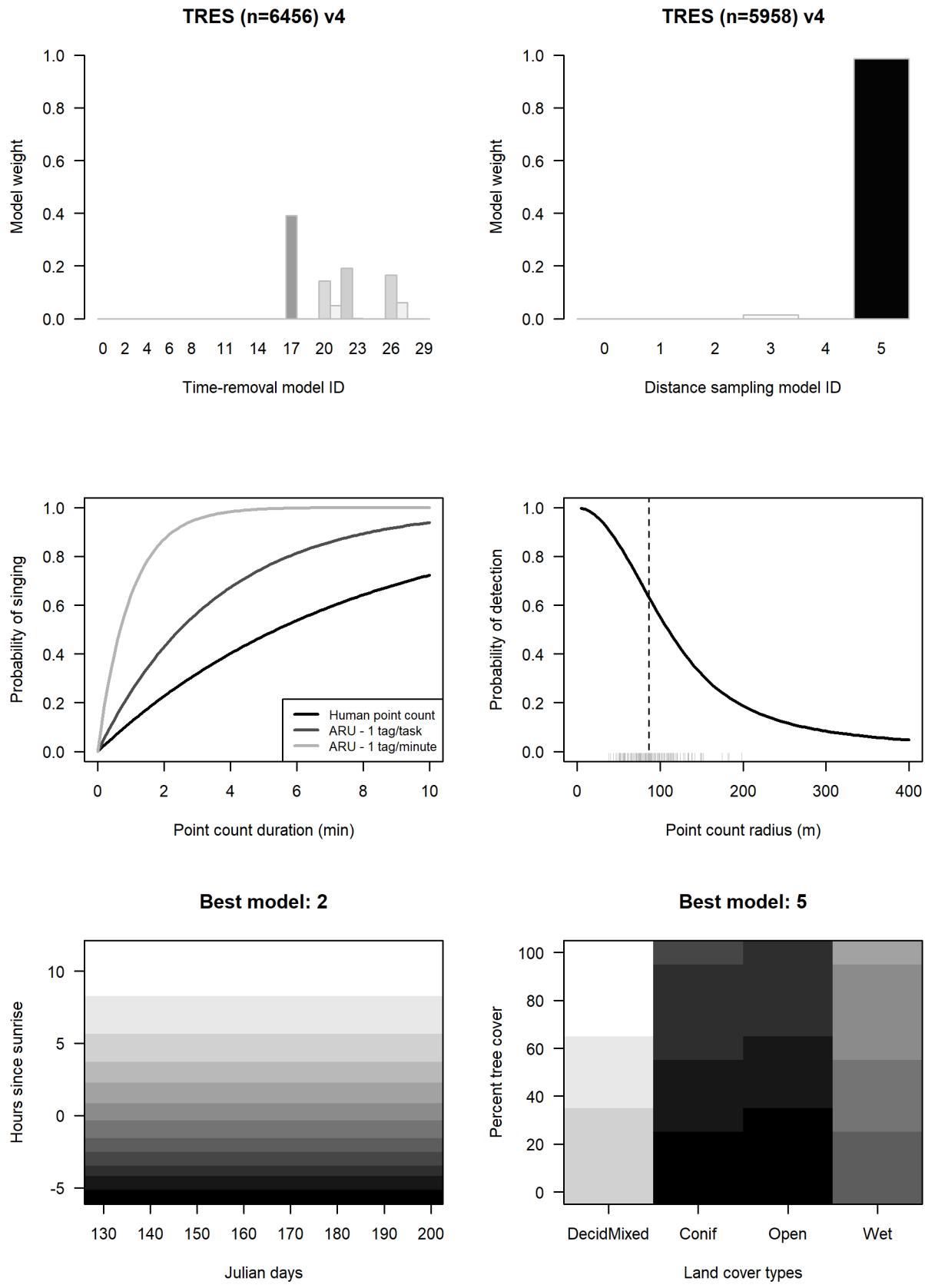


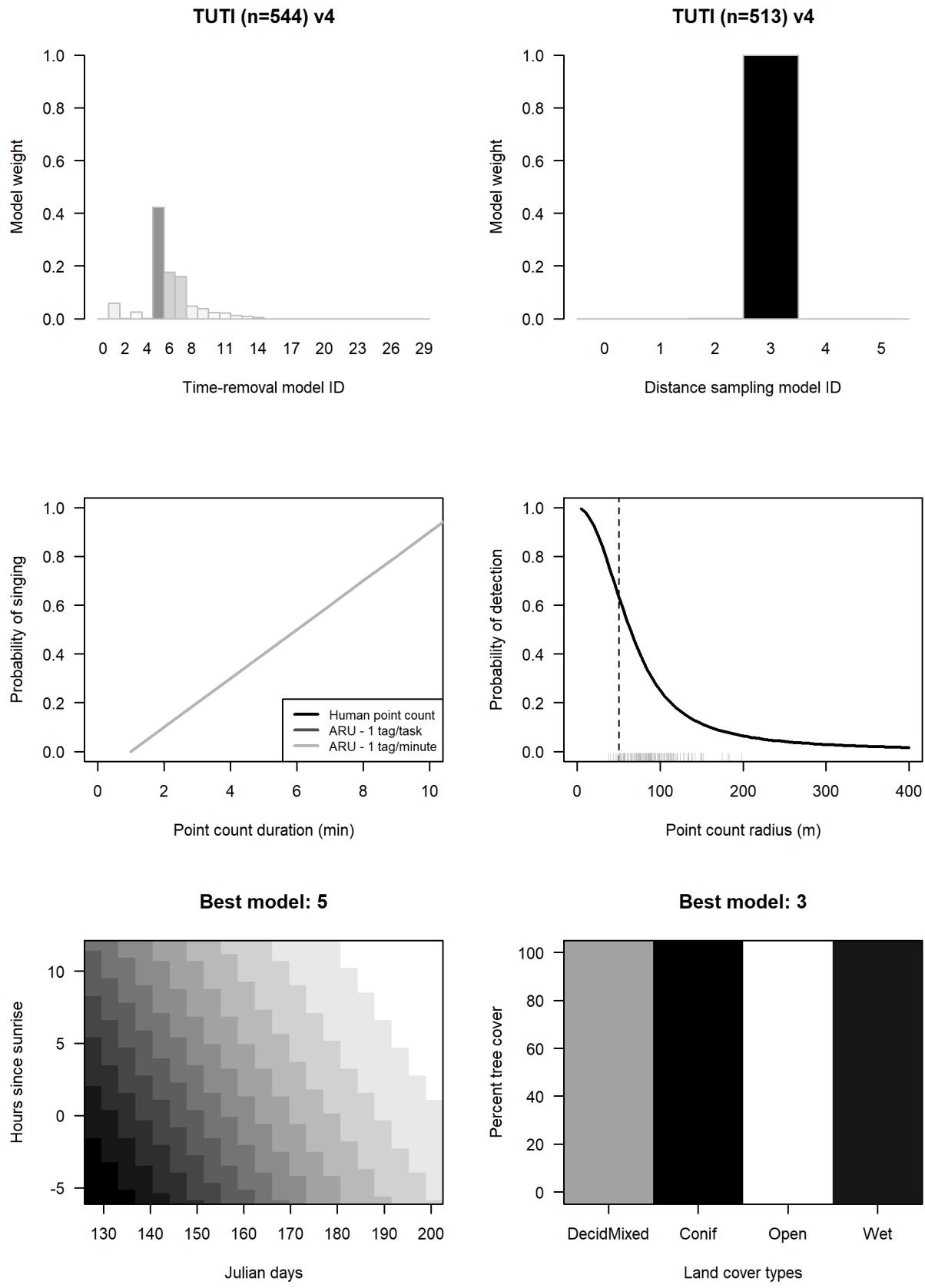


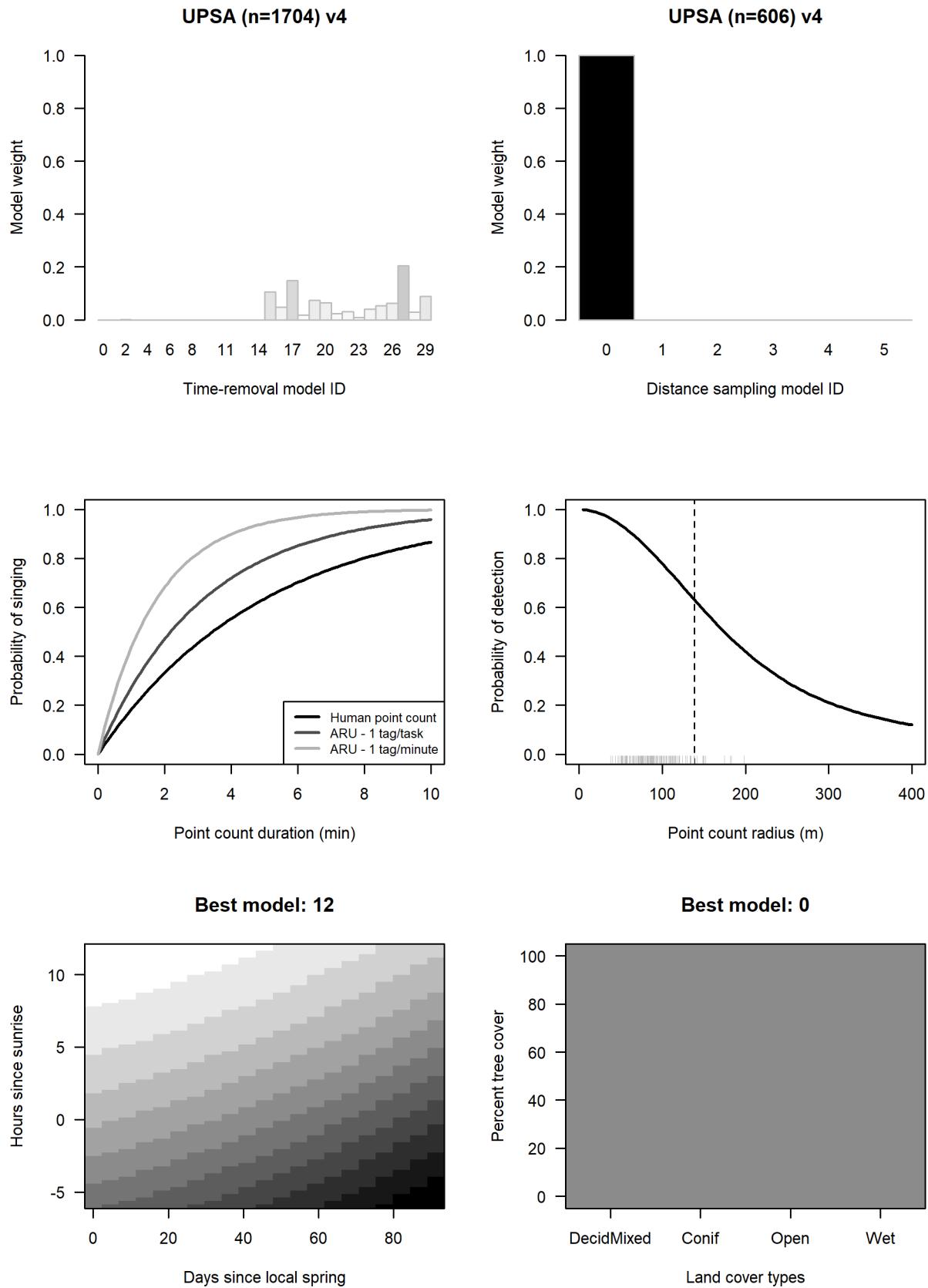


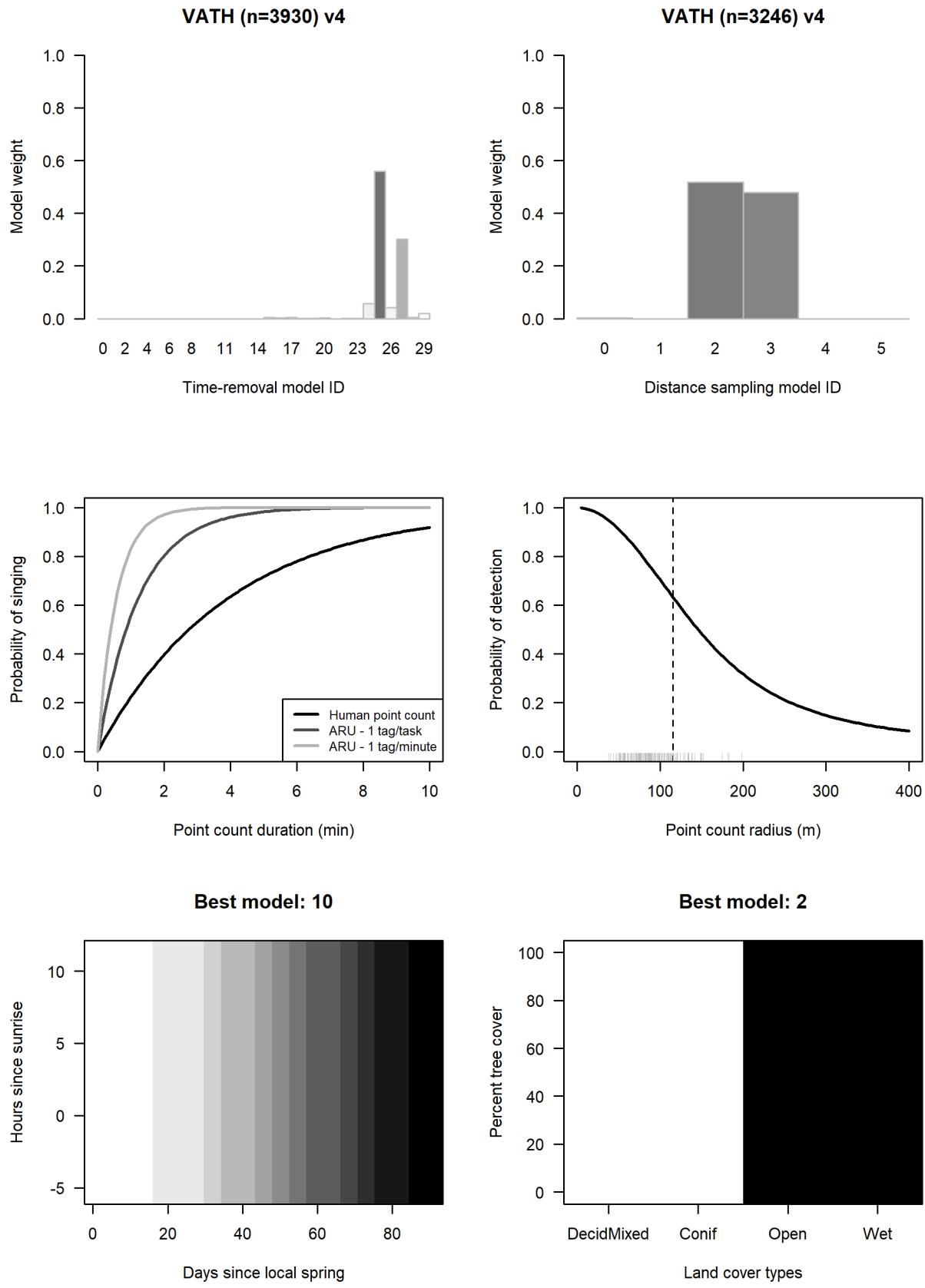


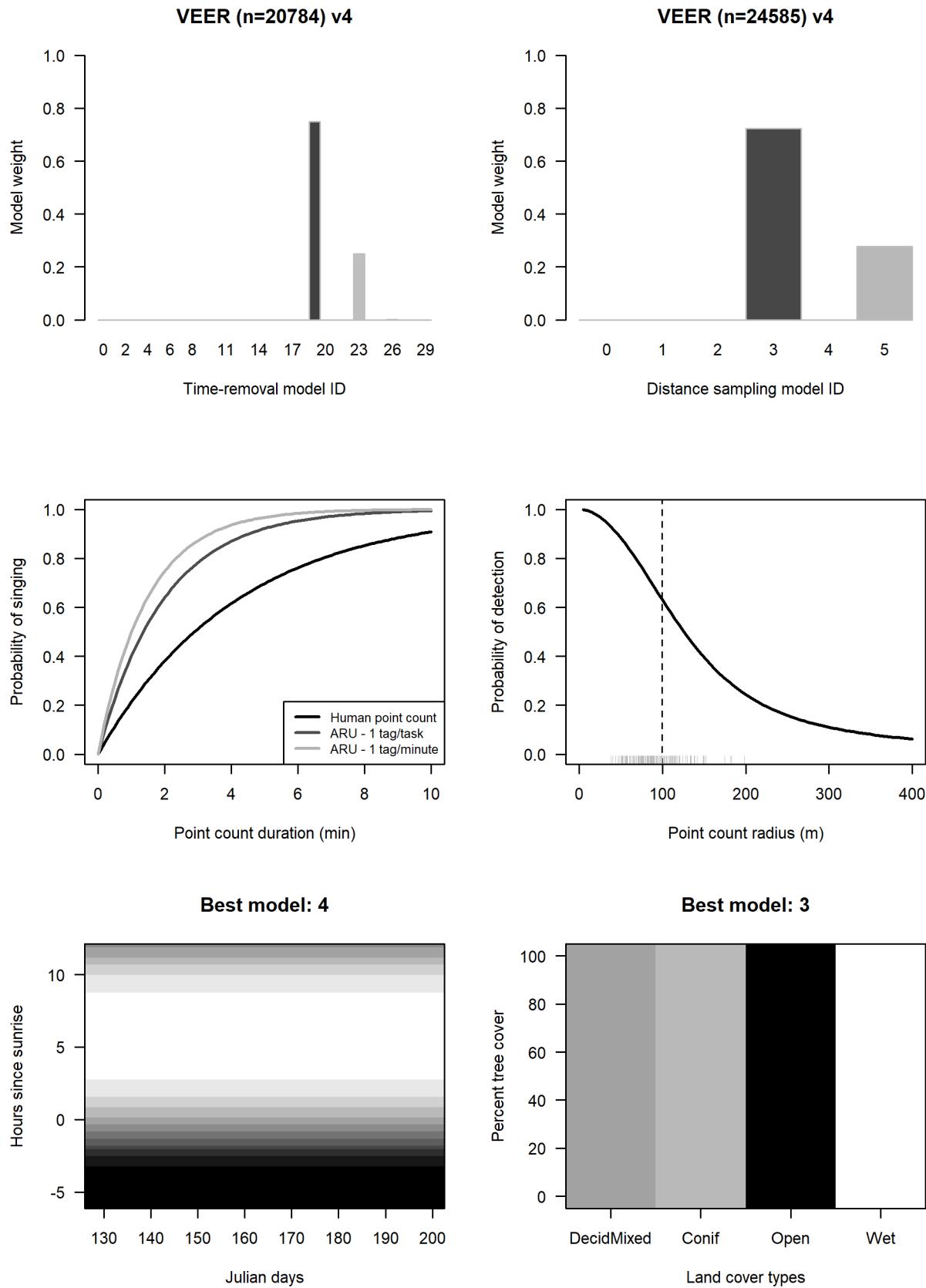


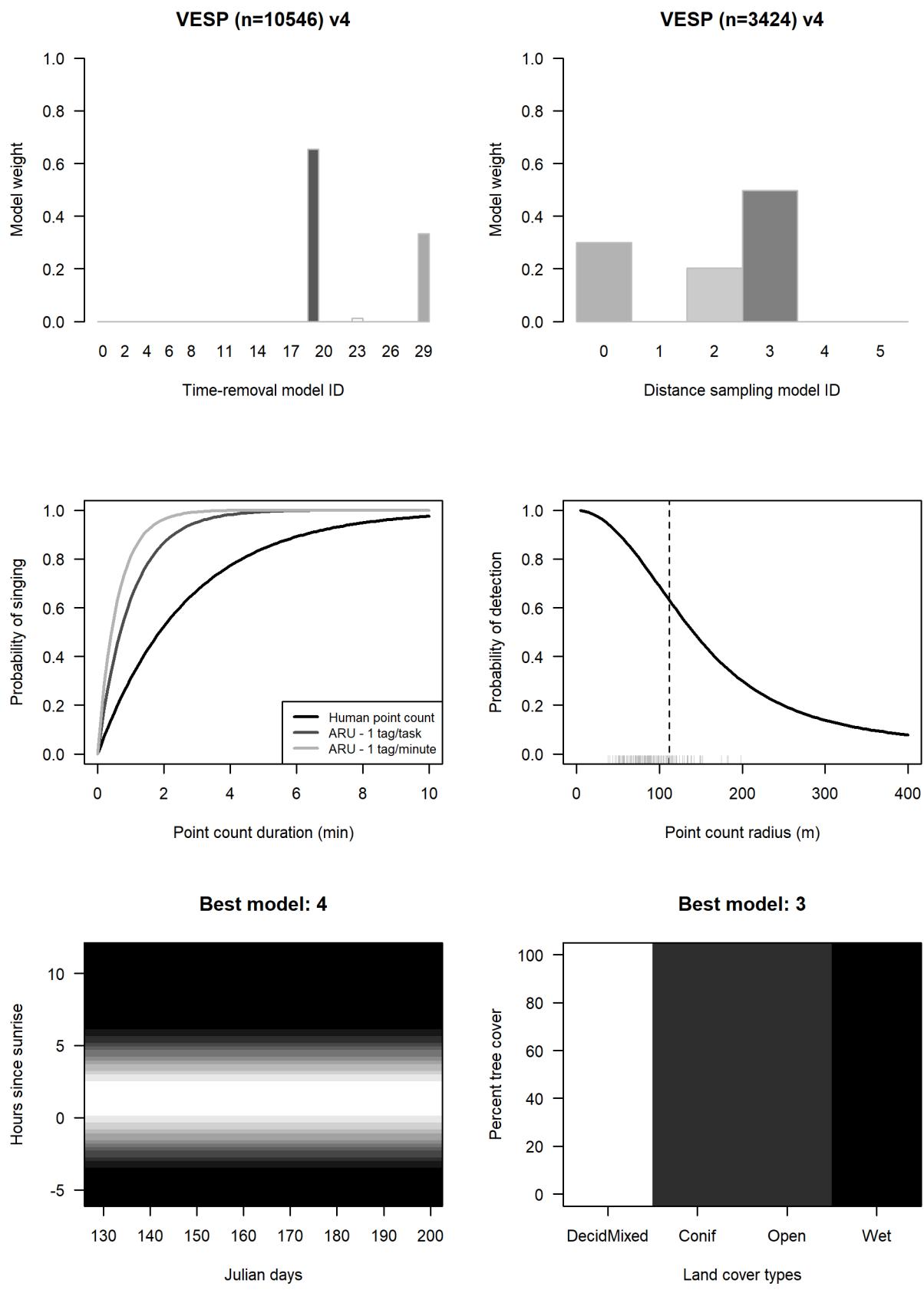


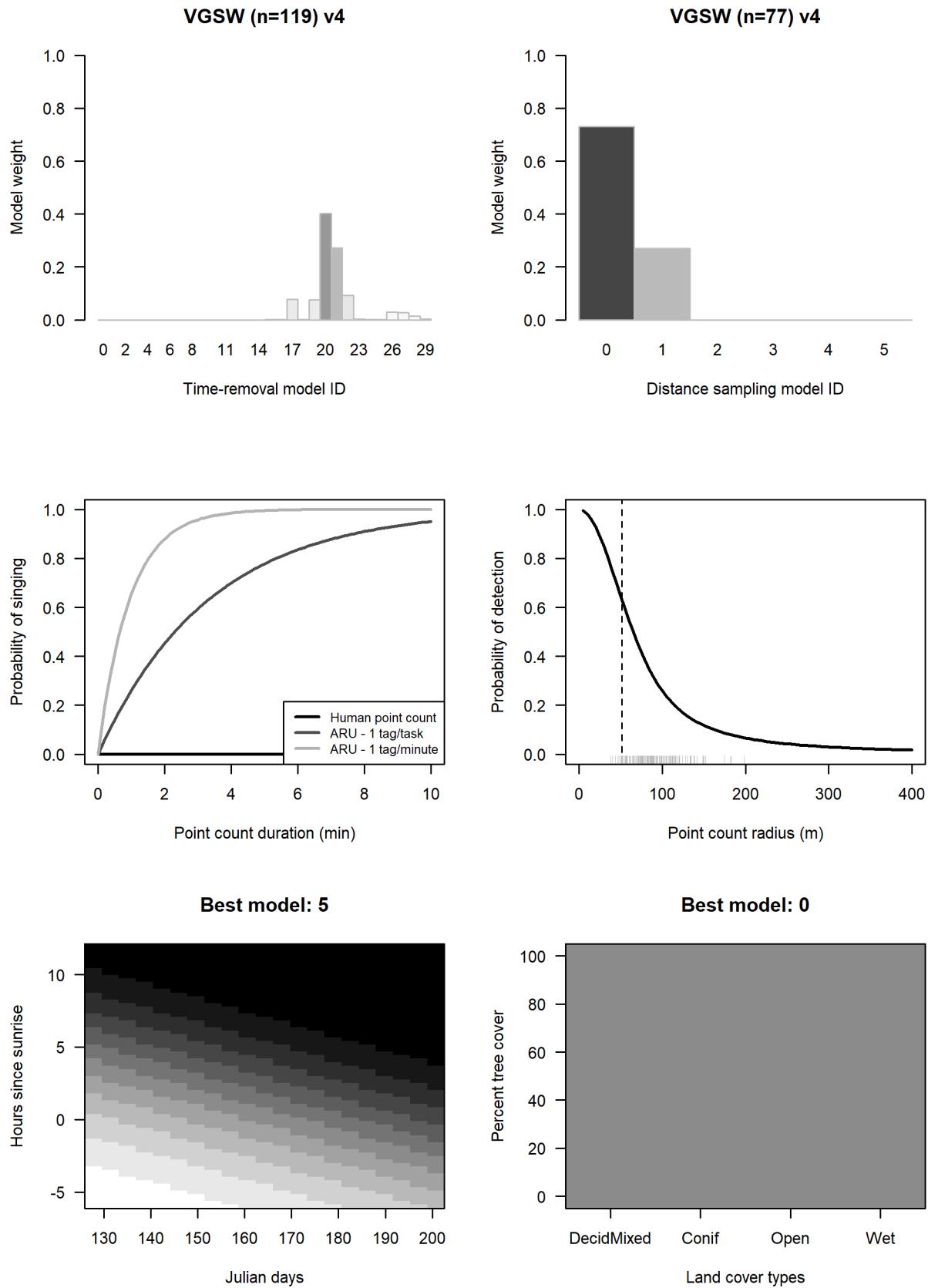


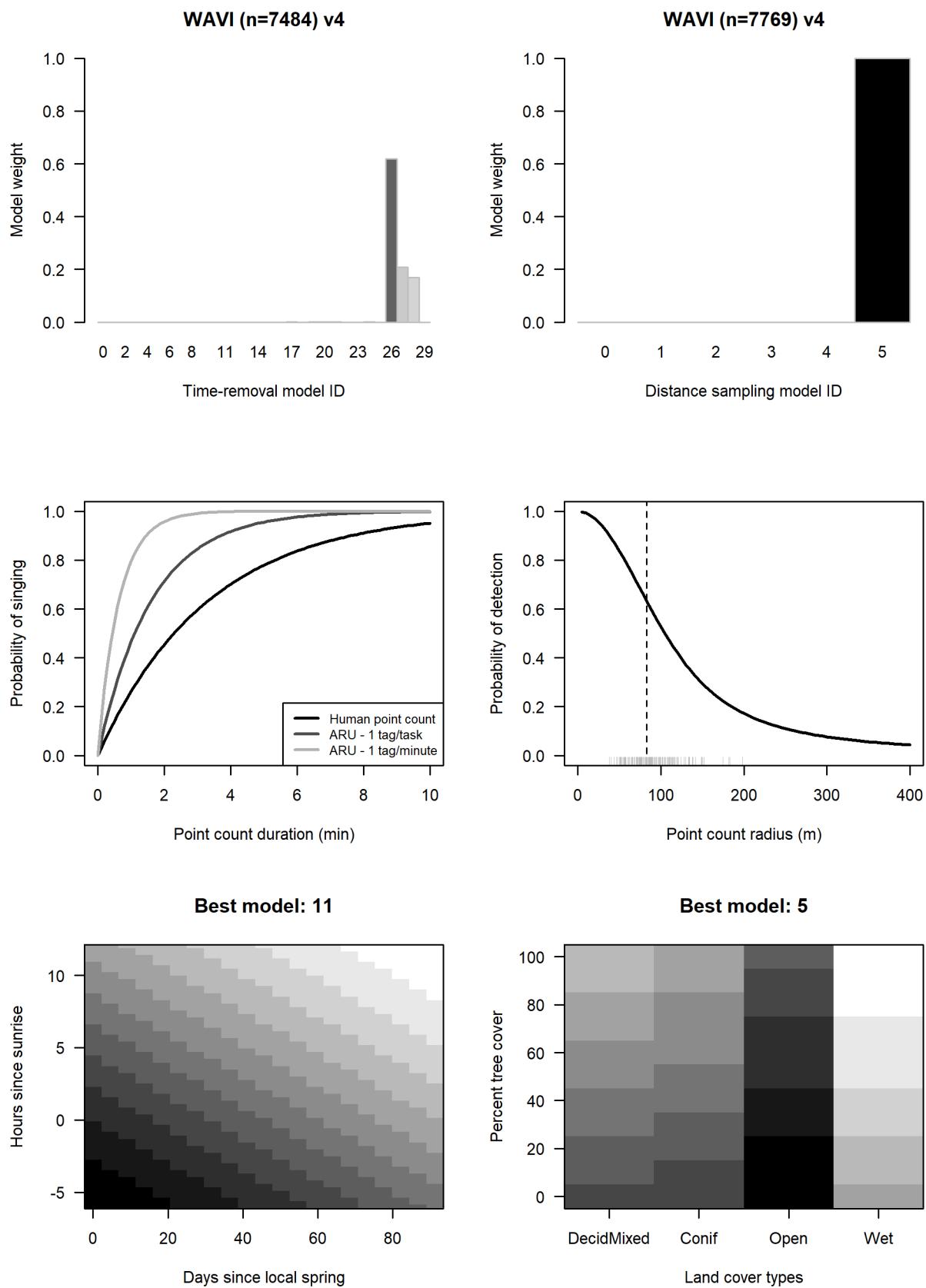




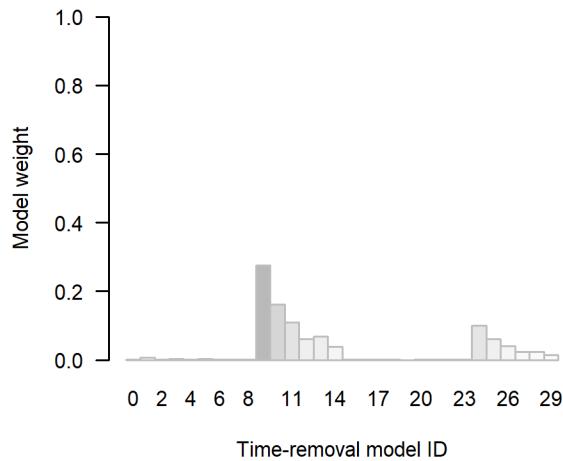




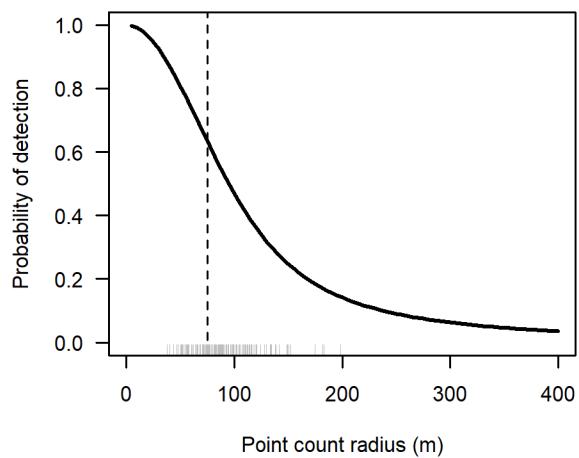
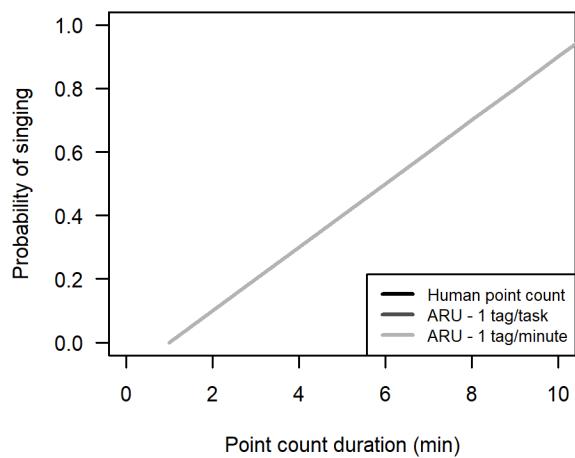
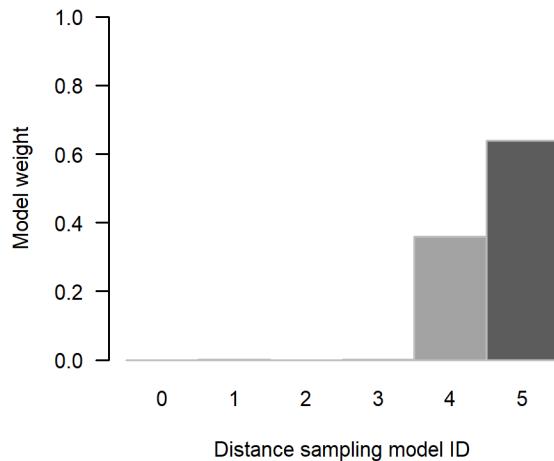




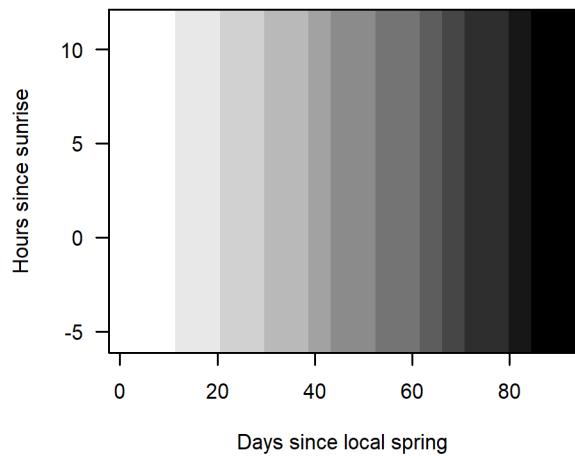
WBNU (n=3907) v4



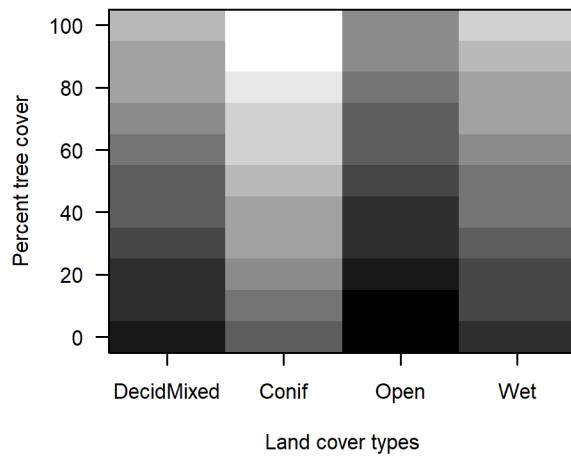
WBNU (n=4549) v4

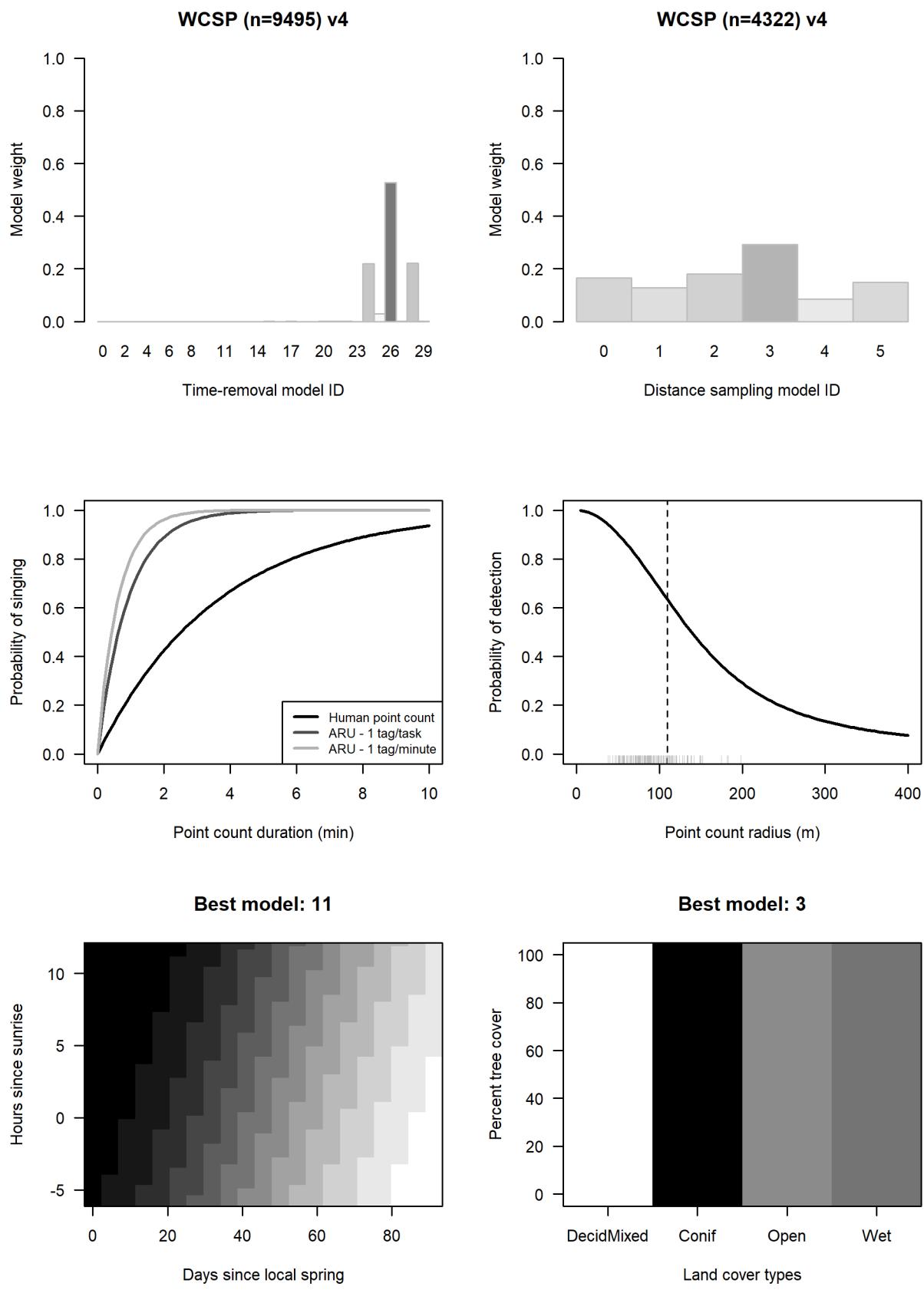


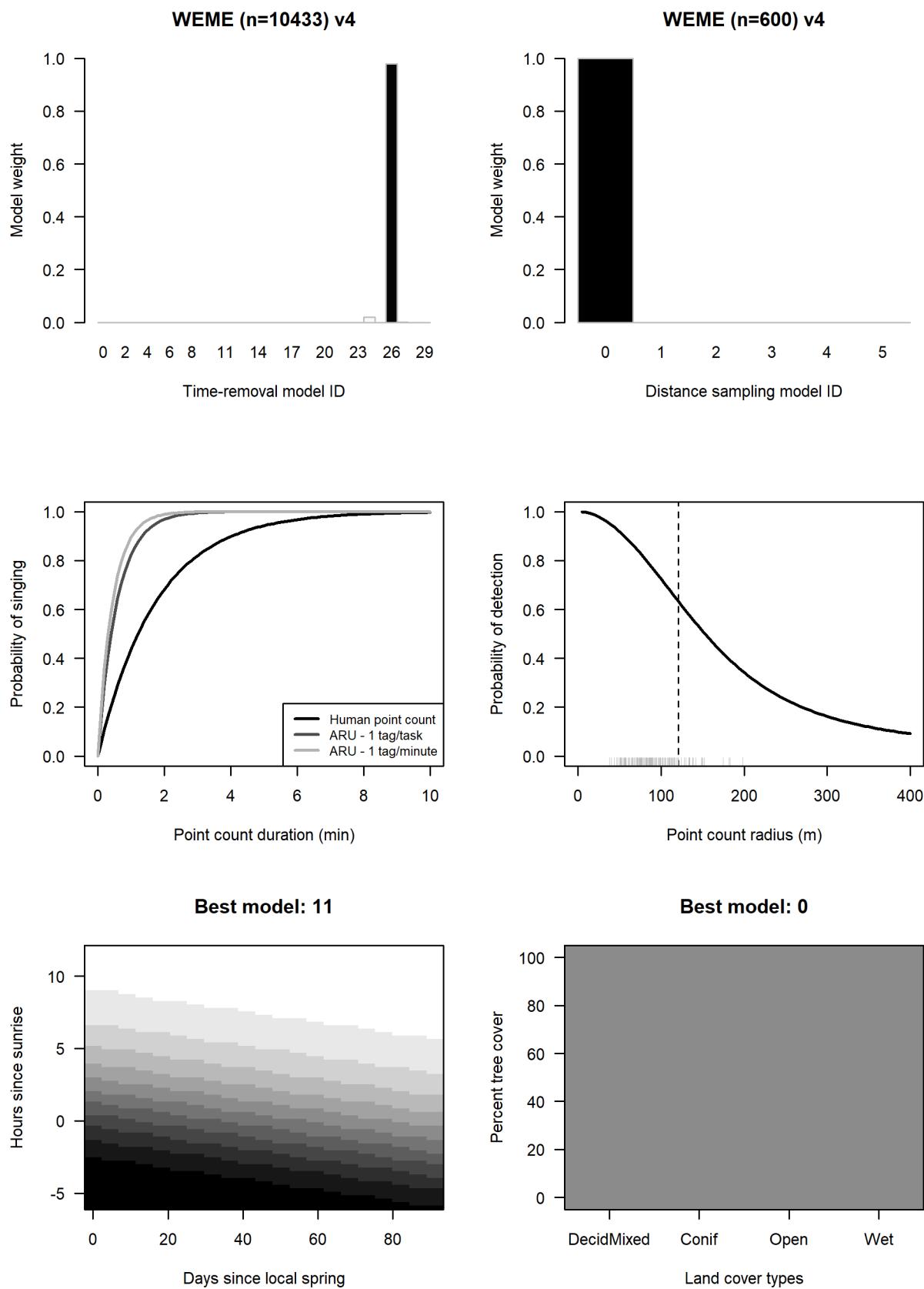
Best model: 9

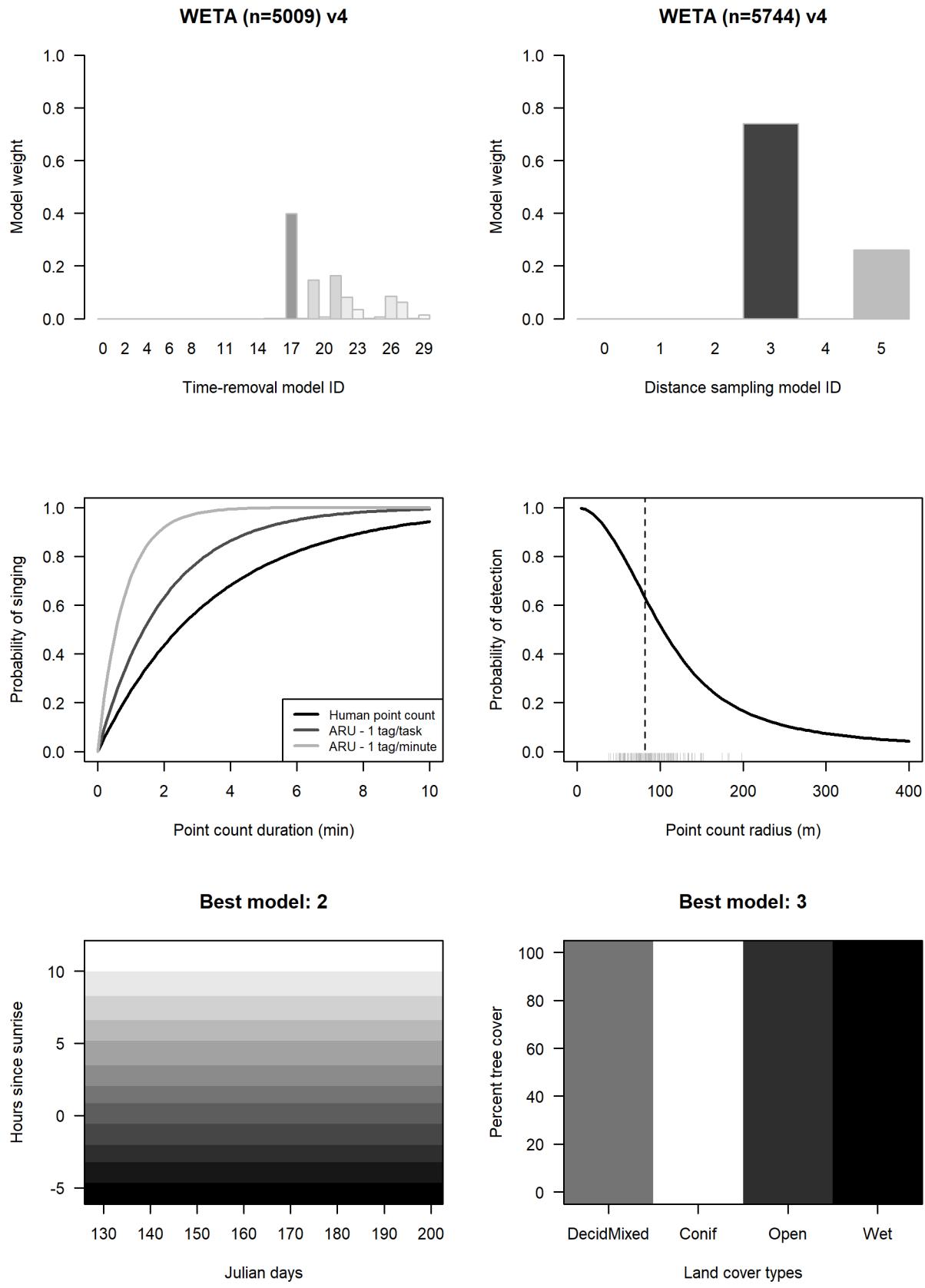


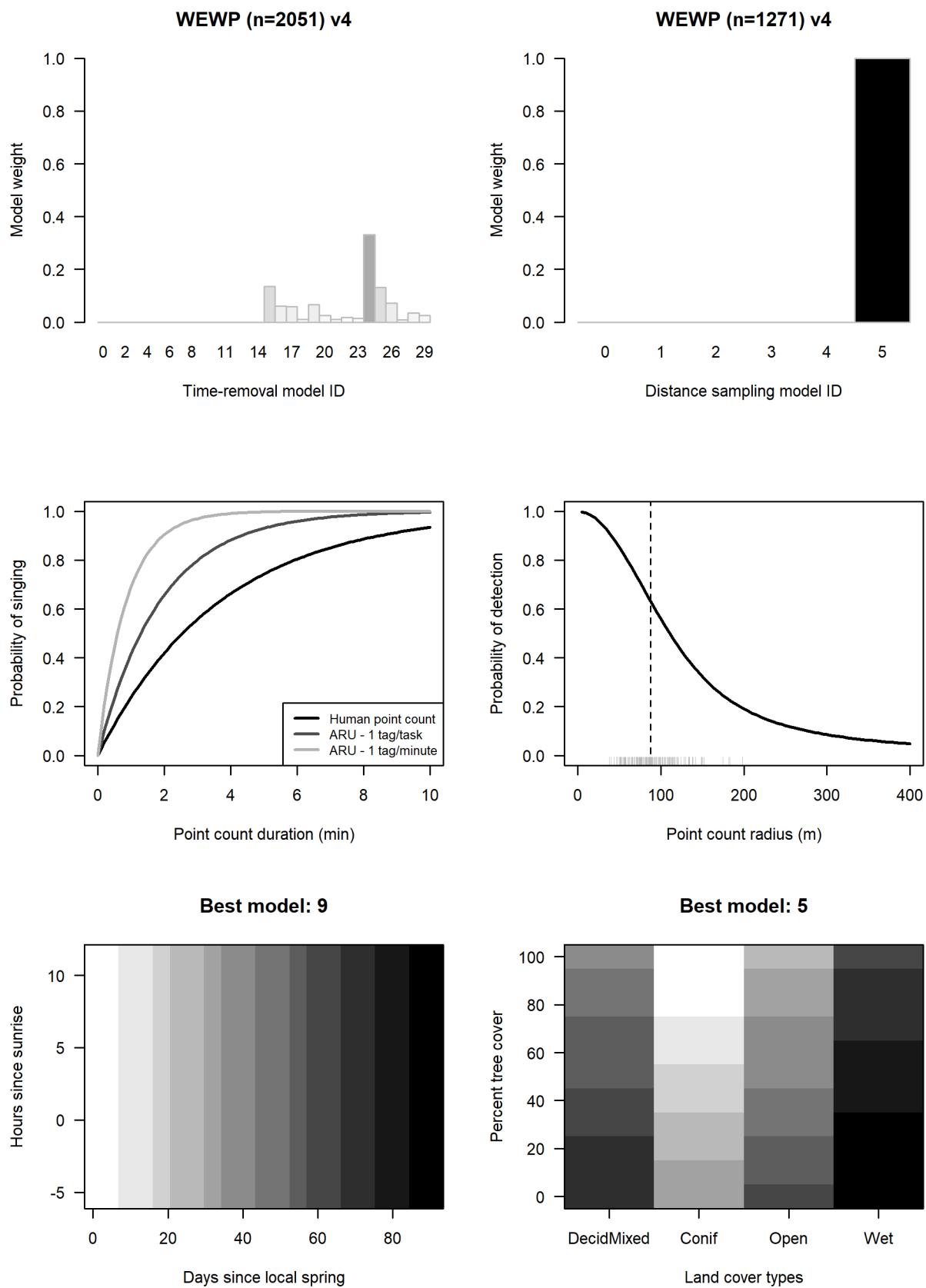
Best model: 5

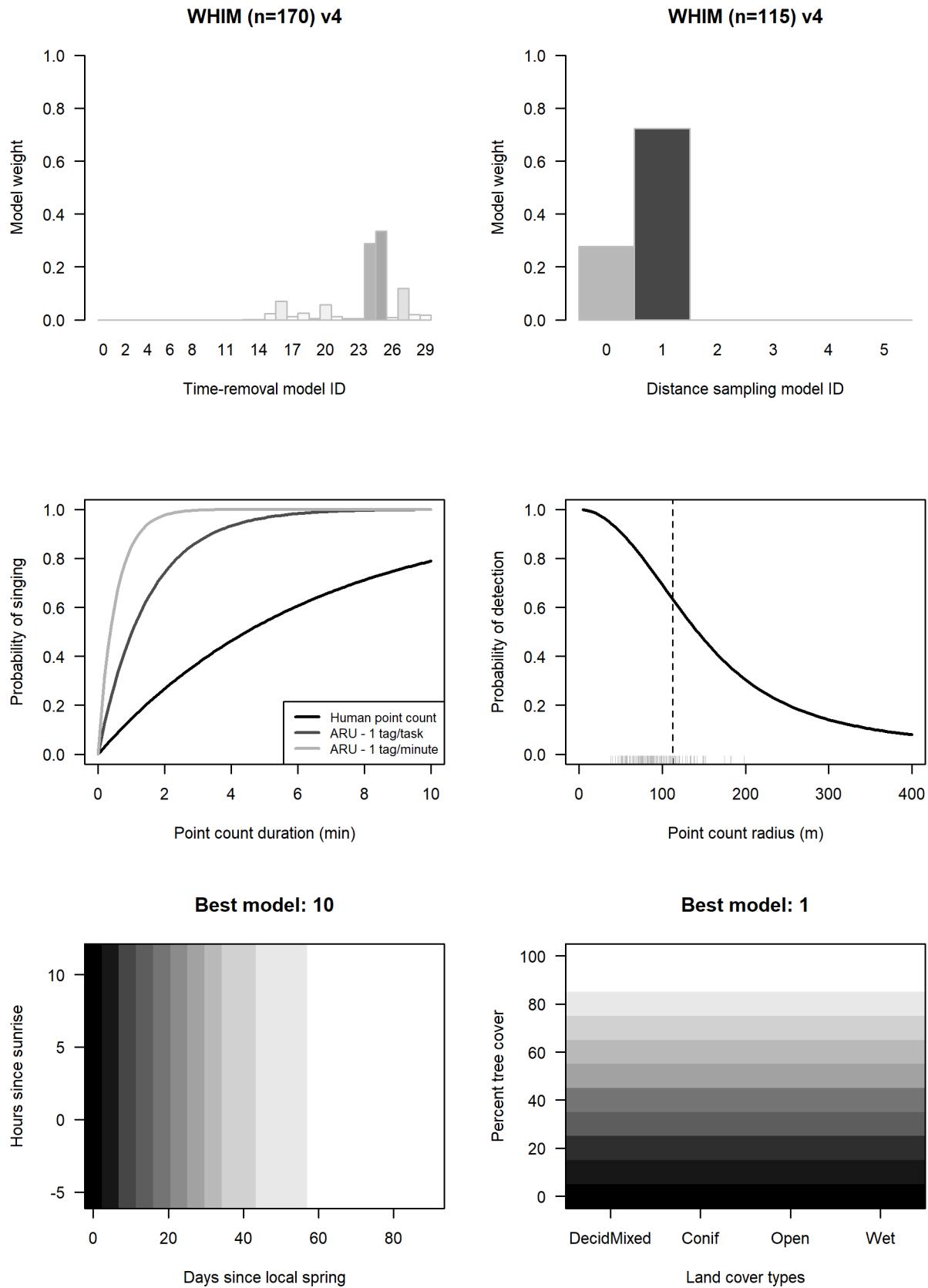


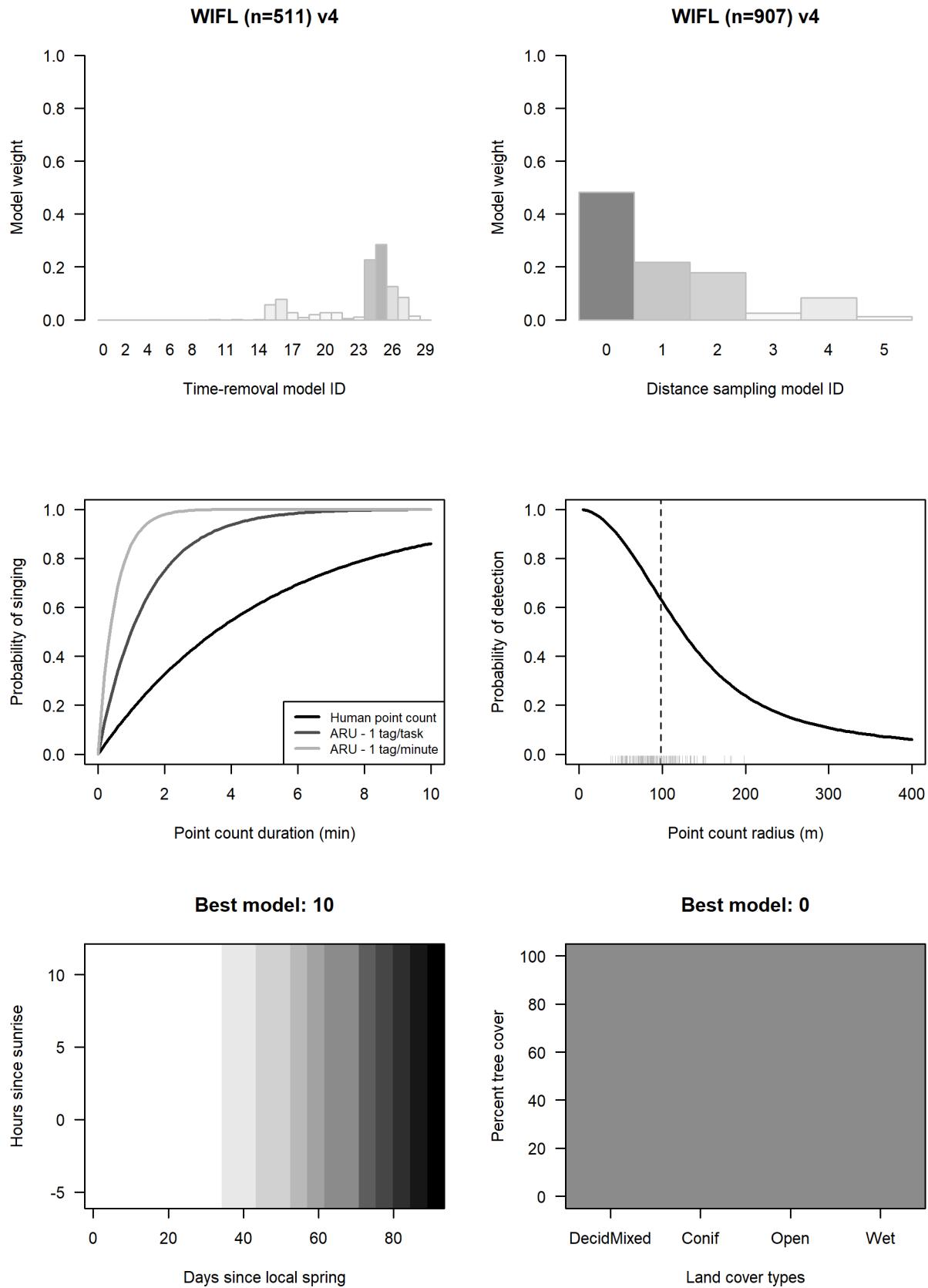


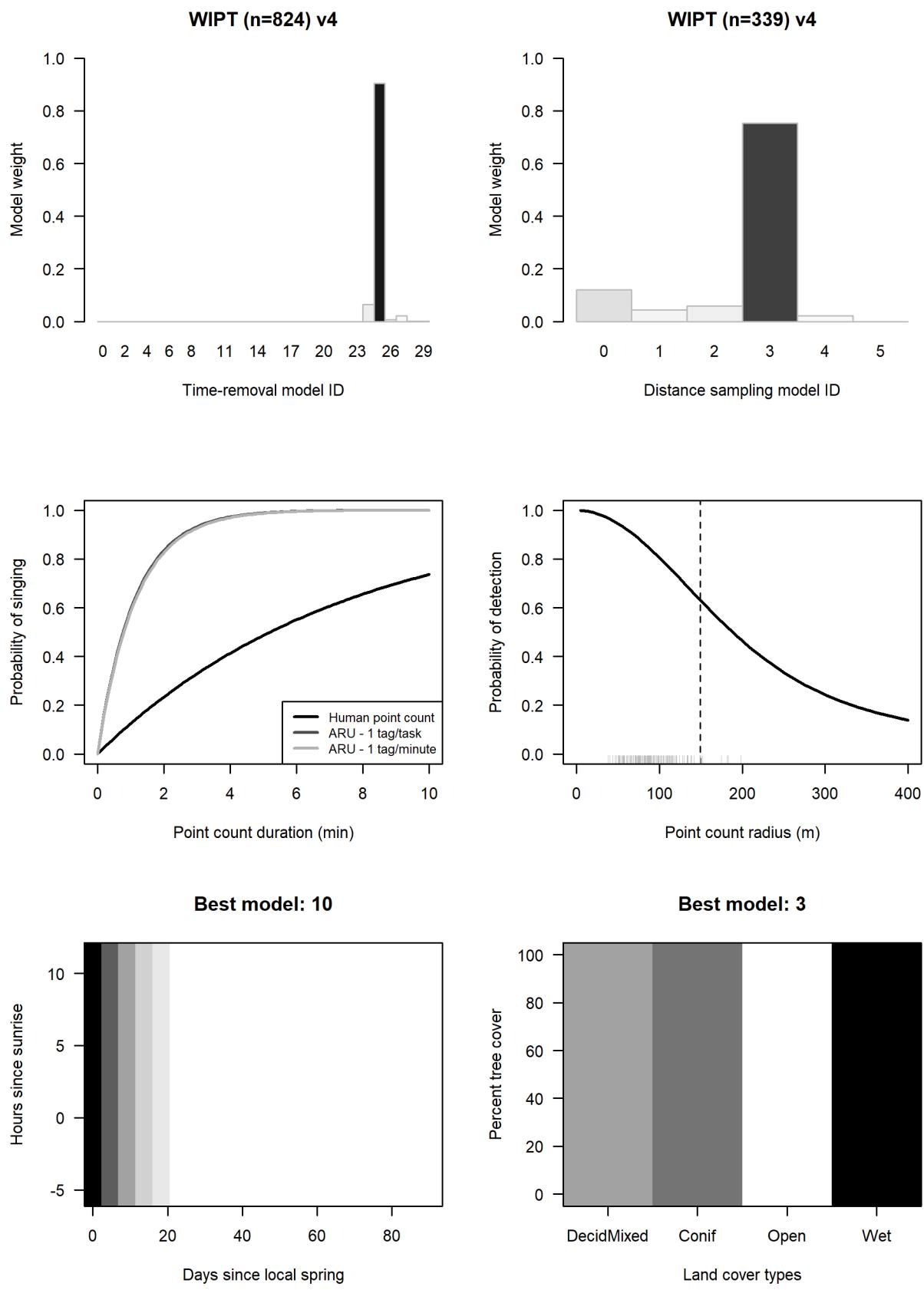


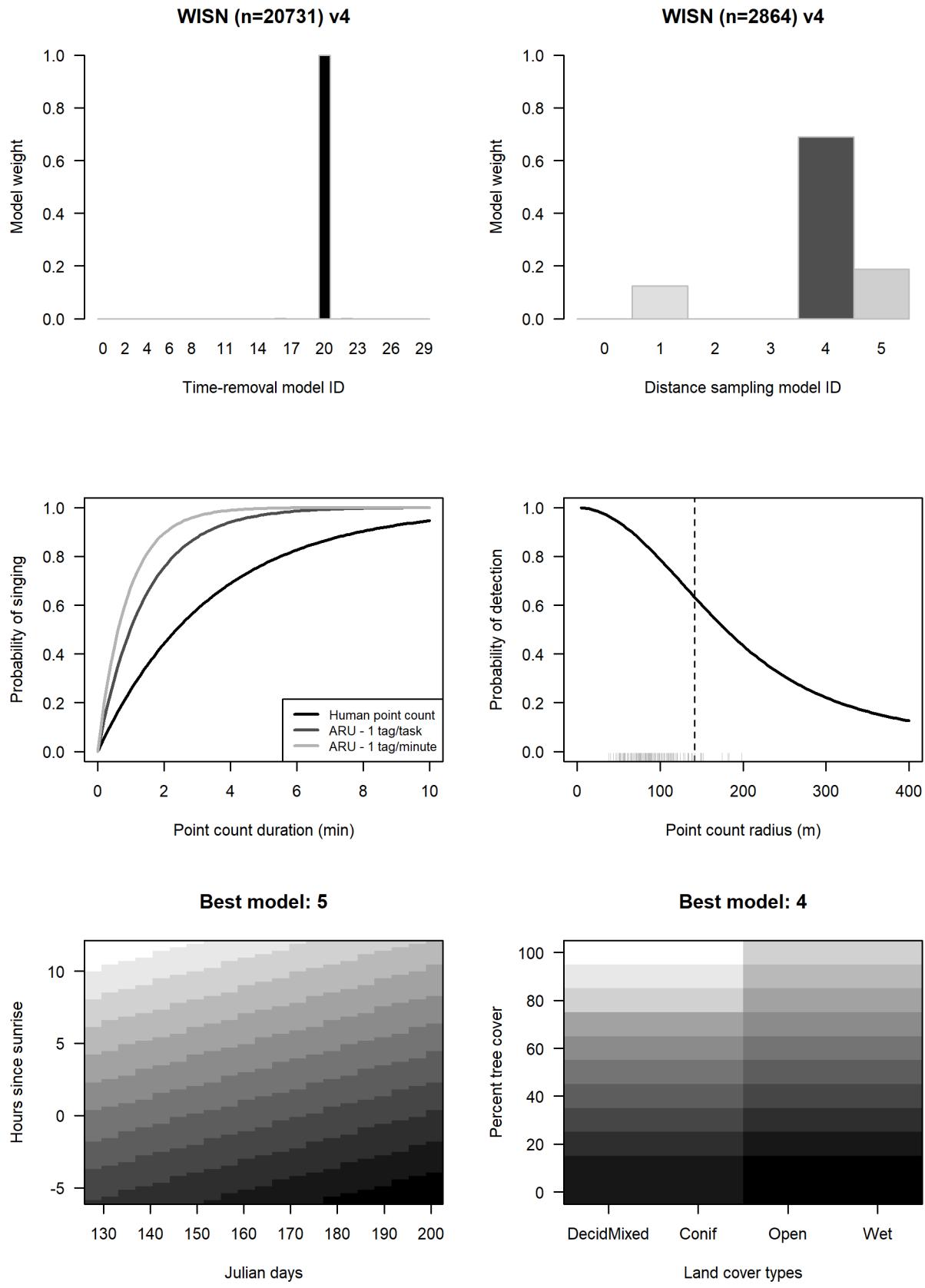


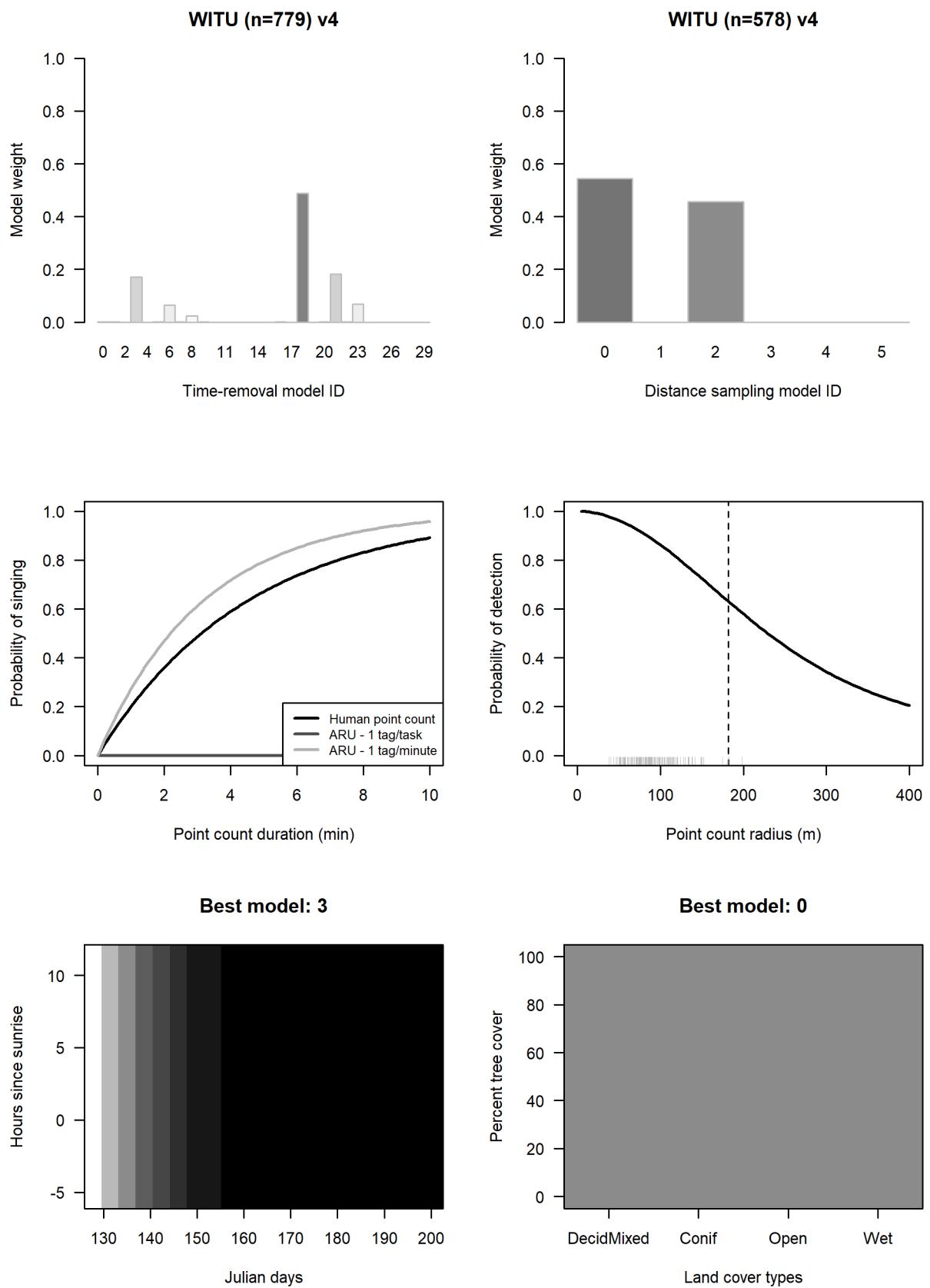


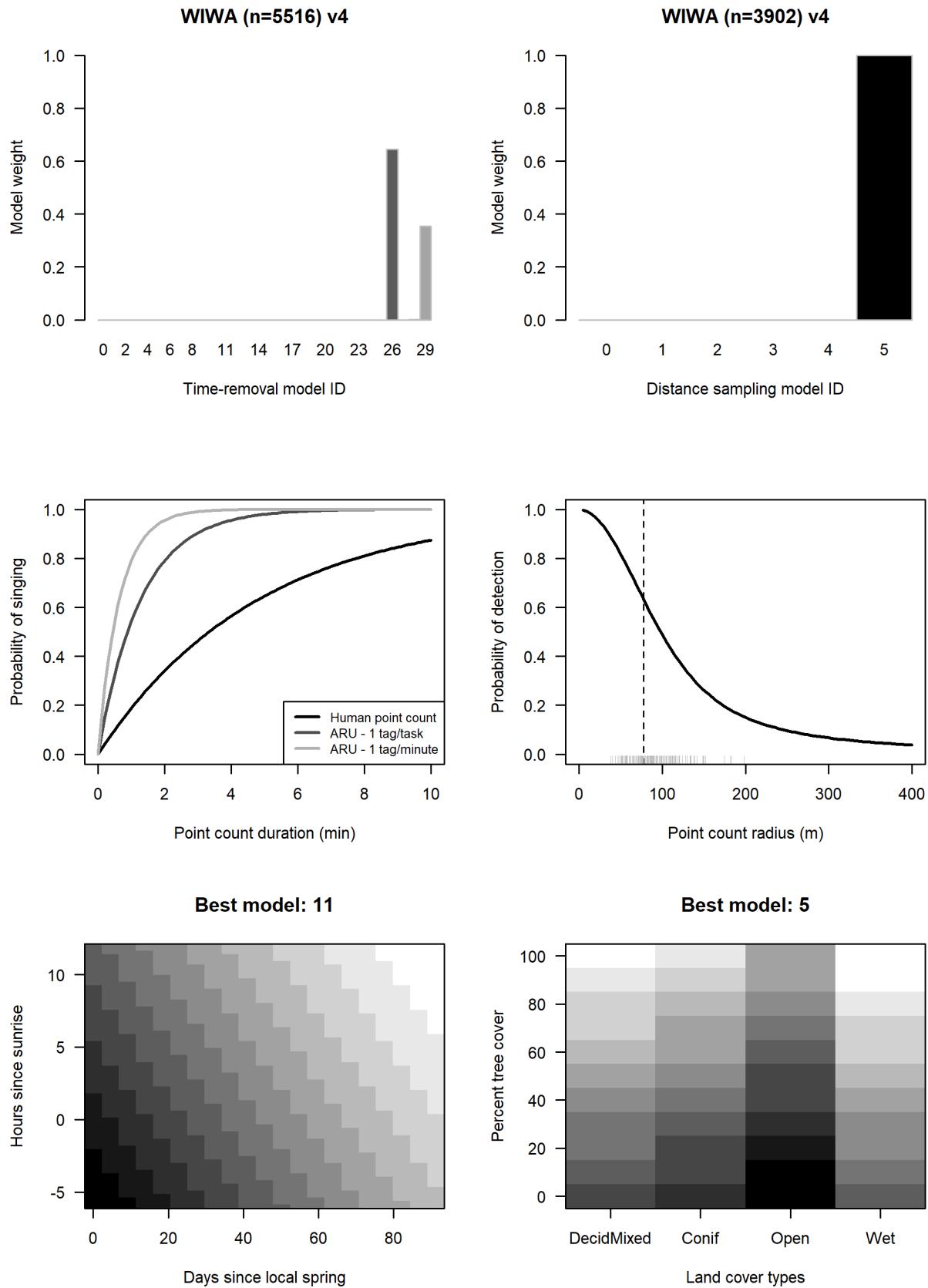


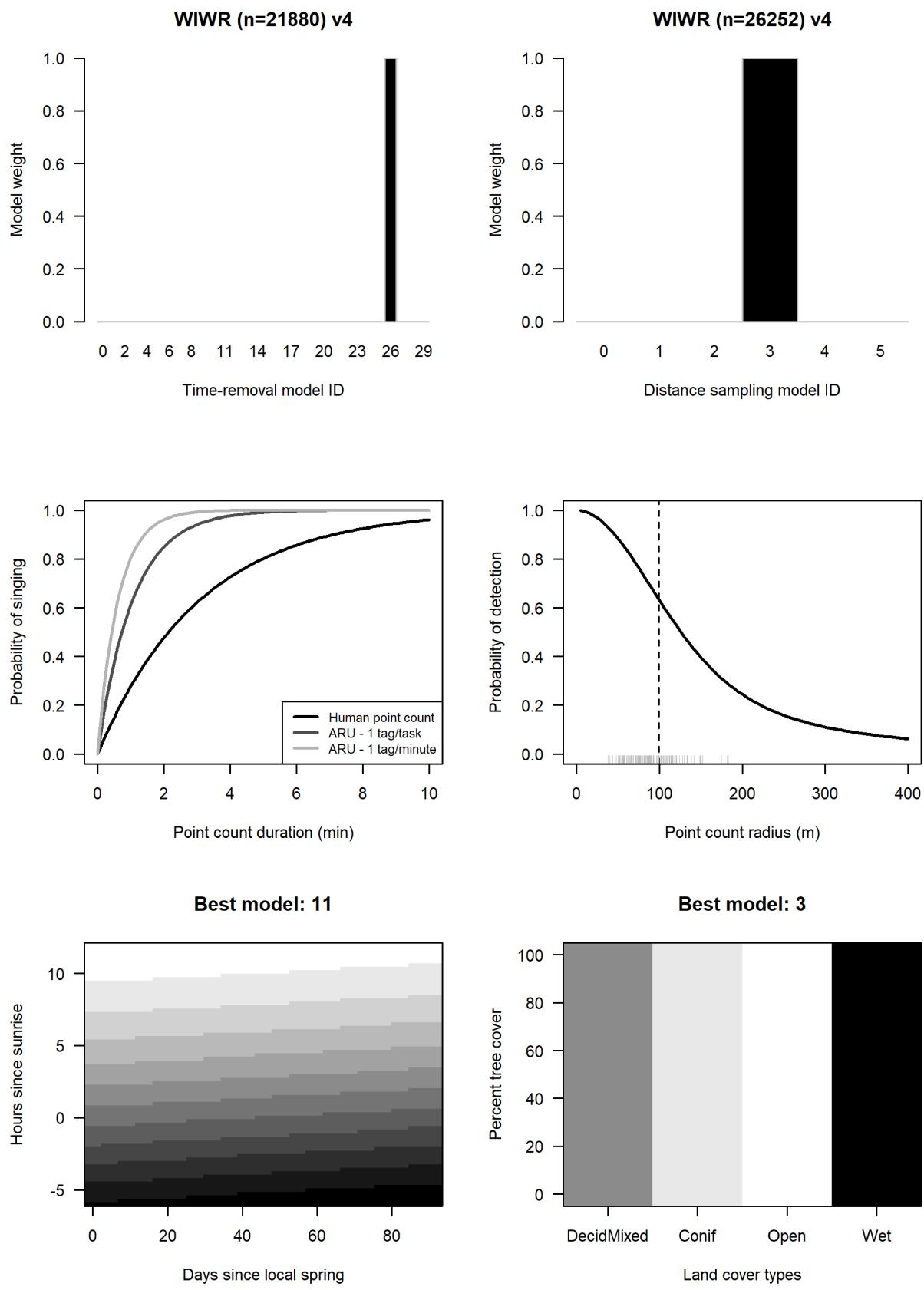




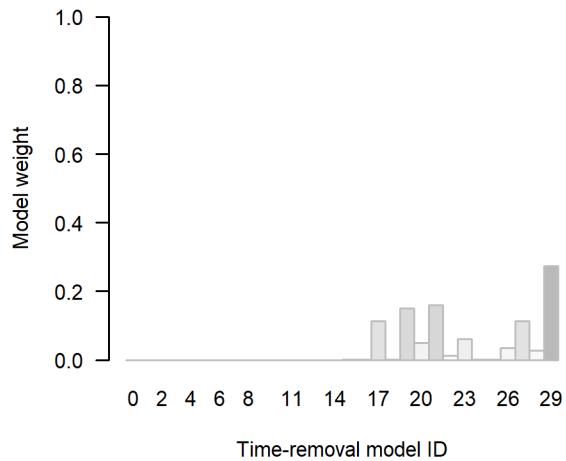




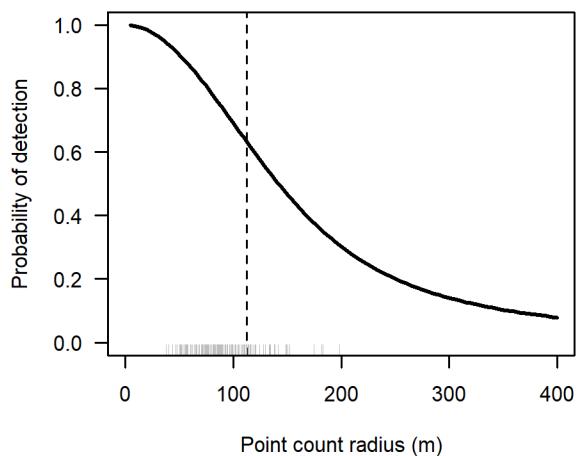
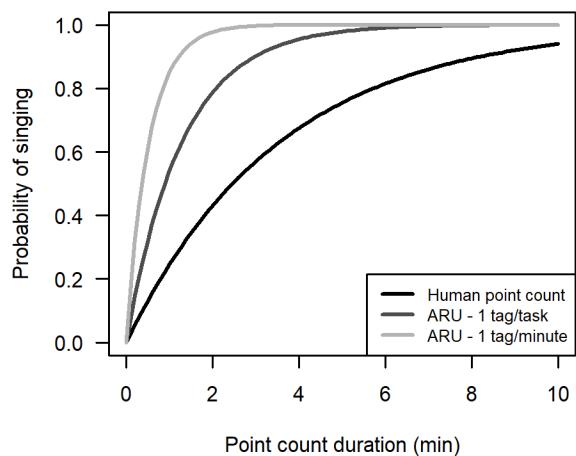
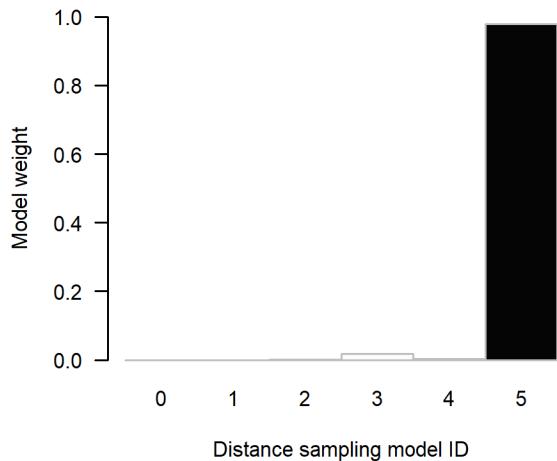




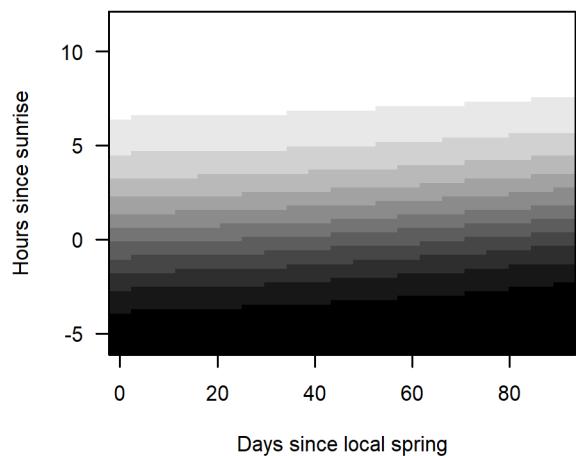
WOTH (n=3419) v4



WOTH (n=5277) v4



Best model: 14



Best model: 5

