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| **RASE stems ha**−1 | **Sweden** | | | | **Norrland** | | | | **Svealand** | | | | **Götaland** | | | |
| *Predictors* | *Estimates* | *std. Error* | *Statistic* | *p* | *Estimates* | *std. Error* | *Statistic* | *p* | *Estimates* | *std. Error* | *Statistic* | *p* | *Estimates* | *std. Error* | *Statistic* | *p* |
| (Intercept) | 5.93 | 0.06 | 93.64 | **<0.001** | 5.51 | 0.10 | 55.82 | **<0.001** | 5.70 | 0.12 | 48.38 | **<0.001** | 6.12 | 0.07 | 82.10 | **<0.001** |
| Moose density | -0.17 | 0.07 | -2.45 | **0.014** |  |  |  |  |  |  |  |  | - | - | - | - |
| Other cervids density |  |  |  |  | - | - | - | **-** |  |  |  |  |  |  |  |  |
| Pine density [ha−1] |  |  |  |  |  |  |  |  | -0.46 | 0.14 | -3.25 | **0.001** |  |  |  |  |
| Spruce density [ha−1] | - | - | - | **-** | - | - | - | **-** | - | - | - | **-** | -0.12 | 0.08 | -1.53 | 0.126 |
| Birch density [ha−1] | 0.25 | 0.07 | 3.47 | **0.001** | 0.62 | 0.10 | 6.10 | **<0.001** | 0.39 | 0.16 | 2.44 | **0.015** |  |  |  |  |
| Prop. young forest area | 0.13 | 0.07 | 1.75 | 0.081 |  |  |  |  |  |  |  |  |  |  |  |  |
| Prop. pre-comm- thinned |  |  |  |  | 0.28 | 0.13 | 2.10 | **0.035** |  |  |  |  |  |  |  |  |
| Prop. days with ≥30 cm snow | -0.32 | 0.08 | -4.24 | **<0.001** | -0.41 | 0.13 | -3.07 | **0.002** | -0.39 | 0.17 | -2.22 | **0.027** |  |  |  |  |
| Observations | 124 | | | | 29 | | | | 43 | | | | 52 | | | |
| R2 Nagelkerke | 0.302 | | | | 0.771 | | | | 0.679 | | | | 0.055 | | | |
| AIC | 1700.805 | | | | 368.490 | | | | 572.121 | | | | 706.255 | | | |

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| **RASE competitive status** | **Sweden** | | | | **Norrland** | | | | **Svealand** | | | | **Götaland** | | | |
| *Predictors* | *Estimates* | *std. Error* | *Statistic* | *p* | *Estimates* | *std. Error* | *Statistic* | *p* | *Estimates* | *std. Error* | *Statistic* | *p* | *Estimates* | *std. Error* | *Statistic* | *p* |
| (Intercept) | -2.42 | 0.06 | -39.43 | **<0.001** | -2.84 | 0.11 | -26.85 | **<0.001** | -2.55 | 0.11 | -23.80 | **<0.001** | -2.21 | 0.07 | -30.73 | **<0.001** |
| Moose density | -0.19 | 0.06 | -3.19 | **0.001** |  |  |  |  |  |  |  |  | - | - | - | - |
| Other cervids density |  |  |  |  | - | - | - | **-** |  |  |  |  |  |  |  |  |
| Pine density [ha−1 ] | -0.17 | 0.07 | -2.43 | **0.015** | -0.17 | 0.09 | -1.80 | 0.073 |  |  |  |  |  |  |  |  |
| Spruce density [ha−1] | - | - | - | **-** | - | - | - | **-** | - | - | - | **-** | -0.19 | 0.07 | -2.66 | **0.008** |
| Birch density [ha−1 ] | 0.11 | 0.06 | 1.72 | 0.085 | 0.33 | 0.09 | 3.72 | **<0.001** |  |  |  |  |  |  |  |  |
| Prop. young forest area | 0.20 | 0.06 | 3.18 | **0.001** | 0.21 | 0.12 | 1.69 | 0.091 | -0.21 | 0.10 | -2.05 | **0.040** |  |  |  |  |
| Prop. pre-comm. thinned |  |  |  |  |  |  |  |  | 0.23 | 0.10 | 2.37 | **0.018** |  |  |  |  |
| Prop. days with ≥30 cm snow | -0.25 | 0.09 | -2.78 | **0.006** | -0.43 | 0.11 | -3.92 | **<0.001** | -0.86 | 0.17 | -5.18 | **<0.001** |  |  |  |  |
| Observations | 124 | | | | 29 | | | | 43 | | | | 52 | | | |
| R2 | 0.391 | | | | 0.634 | | | | 0.608 | | | | 0.132 | | | |
| AIC | -422.155 | | | | -120.826 | | | | -161.117 | | | | -173.926 | | | |

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| **Change in RASE competitive status** | **Sverige** | | | | **Norrland** | | | | **Svealand** | | | | **Götaland** | | | |
| *Predictors* | *Estimates* | *std. Error* | *Statistic* | *p* | *Estimates* | *std. Error* | *Statistic* | *p* | *Estimates* | *std. Error* | *Statistic* | *p* | *Estimates* | *std. Error* | *Statistic* | *P* |
| (Intercept) | 6.00 | 1.20 | 5.01 | **<0.001** | 0.35 | 1.36 | 0.26 | 0.797 | 6.38 | 2.73 | 2.34 | **0.020** | 8.43 | 1.36 | 6.22 | **<0.001** |
| Change in moose density |  |  |  |  | -2.04 | 1.44 | -1.42 | 0.156 |  |  |  |  |  |  |  |  |
| Change in other cervids density | 2.21 | 1.21 | 1.83 | 0.067 |  |  |  |  |  |  |  |  |  |  |  |  |
| Change in pine density | 3.40 | 1.21 | 2.82 | **0.005** | 2.52 | 1.38 | 1.82 | 0.068 |  |  |  |  |  |  |  |  |
| Change in birch density |  |  |  |  |  |  |  |  |  |  |  |  | 6.26 | 1.37 | 4.57 | **<0.001** |
| Change in prop. pre-comm. thinned |  |  |  |  | 1.99 | 1.47 | 1.35 | 0.178 |  |  |  |  |  |  |  |  |
| Observations | 118 | | | | 28 | | | | 40 | | | | 52 | | | |
| AIC | 945.104 | | | | 195.501 | | | | 344.521 | | | | 388.661 | | | |