**Supplementary Table S1**

Significant associations between seasonal prevalence of condemned livers in the states of Puebla and Veracruz, using univariable generalized estimating equations (GEE) analysis

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **sp-Zac** | **su-Zac** | **a-Zac** | **w-Zac** | **sp-Tez** | **su-Tez** | **a-Tez** | **w-Tez** | **sp-CA** | **su-CA** | **a-CA** |
| **su-Zac** | 0.411 | **-** |  |  |  |  |  |  |  |  |  |
| **a-Zac** | 0.487 | 0.569 | **-** |  |  |  |  |  |  |  |  |
| **w-Zac** | 0.114 | 0.230 | 0.322 | **-** |  |  |  |  |  |  |  |
| **sp-Tez** | 0.248 | 0.752 | 0.658 | **0.037** | **-** |  |  |  |  |  |  |
| **su-Tez** | **0.029** | 0.325 | 0.426 | **0.059** | 0.093 | **-** |  |  |  |  |  |
| **a-Tez** | **0.053** | **0.002** | **0.000** | 0.069 | 0.093 | 0.093 | **-** |  |  |  |  |
| **w-Tez** | 0.356 | 0.383 | 0.440 | **0.000** | 0.153 | 0.120 | 0.110 | **-** |  |  |  |
| **sp-CA** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **-** |  |  |
| **su-CA** | **0.000** | **0.286** | **0.000** | **0.001** | **0.000** | 0.305 | **0.000** | **0.000** | **0.005** | **-** |  |
| **a-CA** | **0.012** | **0.000** | **0.000** | 0.250 | **0.006** | **0.000** | **0.000** | 0.171 | 0.752 | **0.001** | **-** |
| **w-CA** | **0.000** | **0.000** | **0.008** | 0.274 | **0.000** | **0.000** | **0.000** | 0.408 | 0.356 | 0.343 | 0.604 |

sp: spring; su: summer; a: autumn; w: winter. Zac: Zacatlán; Tez: Teziutlán; CA: Ciudad Alemán.

Significant associations (*P*≤0.01) are highlighed in bold.