

$$\begin{aligned}
& -0.000\beta_0+0.033S_{t-1}+0.454D_{t-1}+0.352NI_t+0.102S_{t-1}-\bar{S}_{t-1}^7+0.287\bar{D}_{t-1}^7-0.204\bar{N}I_{t-1}^7+0.038S_{t-1}\times NI_t+0.237NI_t^2-0.150D_{t-1}^2 \\
& -0.000\beta_0+0.081S_{t-1}+0.445D_{t-1}+0.291NI_t+0.081S_{t-1}-\bar{S}_{t-1}^7+0.175\bar{D}_{t-1}^7-0.105\bar{N}I_{t-1}^7+0.154S_{t-1}\times NI_t+0.141NI_t^2-0.091D_{t-1}^2 \\
& -0.008\beta_0+0.018S_{t-1}+0.835D_{t-1}+0.084NI_t+0.090S_{t-1}-\bar{S}_{t-1}^7+0.020\bar{D}_{t-1}^7-0.033\bar{N}I_{t-1}^7-0.040S_{t-1}\times NI_t+0.006NI_t^2+0.125D_{t-1}^2 \\
& -0.080\beta_0+0.023S_{t-1}+0.975D_{t-1}+0.202NI_t+0.189S_{t-1}-\bar{S}_{t-1}^7+0.068\bar{D}_{t-1}^7-0.121\bar{N}I_{t-1}^7+0.101S_{t-1}\times NI_t-0.071NI_t^2-0.147D_{t-1}^2 \\
& 0.157\beta_0+0.113S_{t-1}+0.725D_{t-1}+0.278NI_t+0.179S_{t-1}-\bar{S}_{t-1}^7+0.065\bar{D}_{t-1}^7-0.119\bar{N}I_{t-1}^7-0.017S_{t-1}\times NI_t+0.002NI_t^2-0.029D_{t-1}^2 \\
& 0.000\beta_0+0.007S_{t-1}+0.999D_{t-1}-0.002NI_t+0.063S_{t-1}-\bar{S}_{t-1}^7+0.004\bar{D}_{t-1}^7-0.029\bar{N}I_{t-1}^7+0.051S_{t-1}\times NI_t+0.040NI_t^2-0.091D_{t-1}^2 \\
& 0.000\beta_0+0.039S_{t-1}+0.226D_{t-1}+0.203NI_t+0.050S_{t-1}-\bar{S}_{t-1}^7+0.086\bar{D}_{t-1}^7-0.048\bar{N}I_{t-1}^7+0.521S_{t-1}\times NI_t-0.007NI_t^2+0.015D_{t-1}^2 \\
& 0.000\beta_0+0.080S_{t-1}+0.526D_{t-1}+0.456NI_t+0.156S_{t-1}-\bar{S}_{t-1}^7+0.132\bar{D}_{t-1}^7-0.080\bar{N}I_{t-1}^7-0.069S_{t-1}\times NI_t-0.053NI_t^2+0.055D_{t-1}^2 \\
& -0.041\beta_0+0.025S_{t-1}+0.734D_{t-1}+0.041NI_t+0.155S_{t-1}-\bar{S}_{t-1}^7+0.131\bar{D}_{t-1}^7-0.001\bar{N}I_{t-1}^7-0.019S_{t-1}\times NI_t-0.023NI_t^2+0.057D_{t-1}^2 \\
& -0.018\beta_0+0.027S_{t-1}+0.499D_{t-1}+0.013NI_t+0.712S_{t-1}-\bar{S}_{t-1}^7+0.311\bar{D}_{t-1}^7-0.042\bar{N}I_{t-1}^7+0.013S_{t-1}\times NI_t-0.001NI_t^2+0.150D_{t-1}^2 \\
& -0.199\beta_0+0.035S_{t-1}+0.380D_{t-1}+0.067NI_t+0.823S_{t-1}-\bar{S}_{t-1}^7+0.370\bar{D}_{t-1}^7-0.036\bar{N}I_{t-1}^7-0.085S_{t-1}\times NI_t-0.011NI_t^2-0.050D_{t-1}^2 \\
& -0.034\beta_0+0.049S_{t-1}+0.113D_{t-1}-0.017NI_t+0.082S_{t-1}-\bar{S}_{t-1}^7+0.402\bar{D}_{t-1}^7-0.013\bar{N}I_{t-1}^7+0.009S_{t-1}\times NI_t+0.004NI_t^2+0.394D_{t-1}^2 \\
& -0.062\beta_0+0.022S_{t-1}+0.491D_{t-1}+0.020NI_t+0.460S_{t-1}-\bar{S}_{t-1}^7+0.258\bar{D}_{t-1}^7-0.107\bar{N}I_{t-1}^7+0.023S_{t-1}\times NI_t+0.033NI_t^2+0.109D_{t-1}^2 \\
& -0.013\beta_0+0.014S_{t-1}+0.824D_{t-1}+0.004NI_t+0.356S_{t-1}-\bar{S}_{t-1}^7+0.084\bar{D}_{t-1}^7+0.018\bar{N}I_{t-1}^7+0.031S_{t-1}\times NI_t-0.006NI_t^2-0.011D_{t-1}^2 \\
& -0.035\beta_0+0.045S_{t-1}+0.654D_{t-1}+0.120NI_t+0.485S_{t-1}-\bar{S}_{t-1}^7+0.195\bar{D}_{t-1}^7+0.034\bar{N}I_{t-1}^7-0.136S_{t-1}\times NI_t-0.040NI_t^2+0.041D_{t-1}^2 \\
& -0.137\beta_0+0.098S_{t-1}+1.083D_{t-1}+0.007NI_t+0.433S_{t-1}-\bar{S}_{t-1}^7+0.035\bar{D}_{t-1}^7-0.003\bar{N}I_{t-1}^7+0.015S_{t-1}\times NI_t+0.022NI_t^2-0.199D_{t-1}^2 \\
& -0.002\beta_0+0.094S_{t-1}+0.953D_{t-1}+0.087NI_t+0.154S_{t-1}-\bar{S}_{t-1}^7+0.003\bar{D}_{t-1}^7-0.025\bar{N}I_{t-1}^7-0.033S_{t-1}\times NI_t+0.005NI_t^2-0.057D_{t-1}^2
\end{aligned}$$