

JGR: Atmospheres

Supporting Information for

Causal model evaluation of Arctic-midlatitude teleconnections in CMIP6

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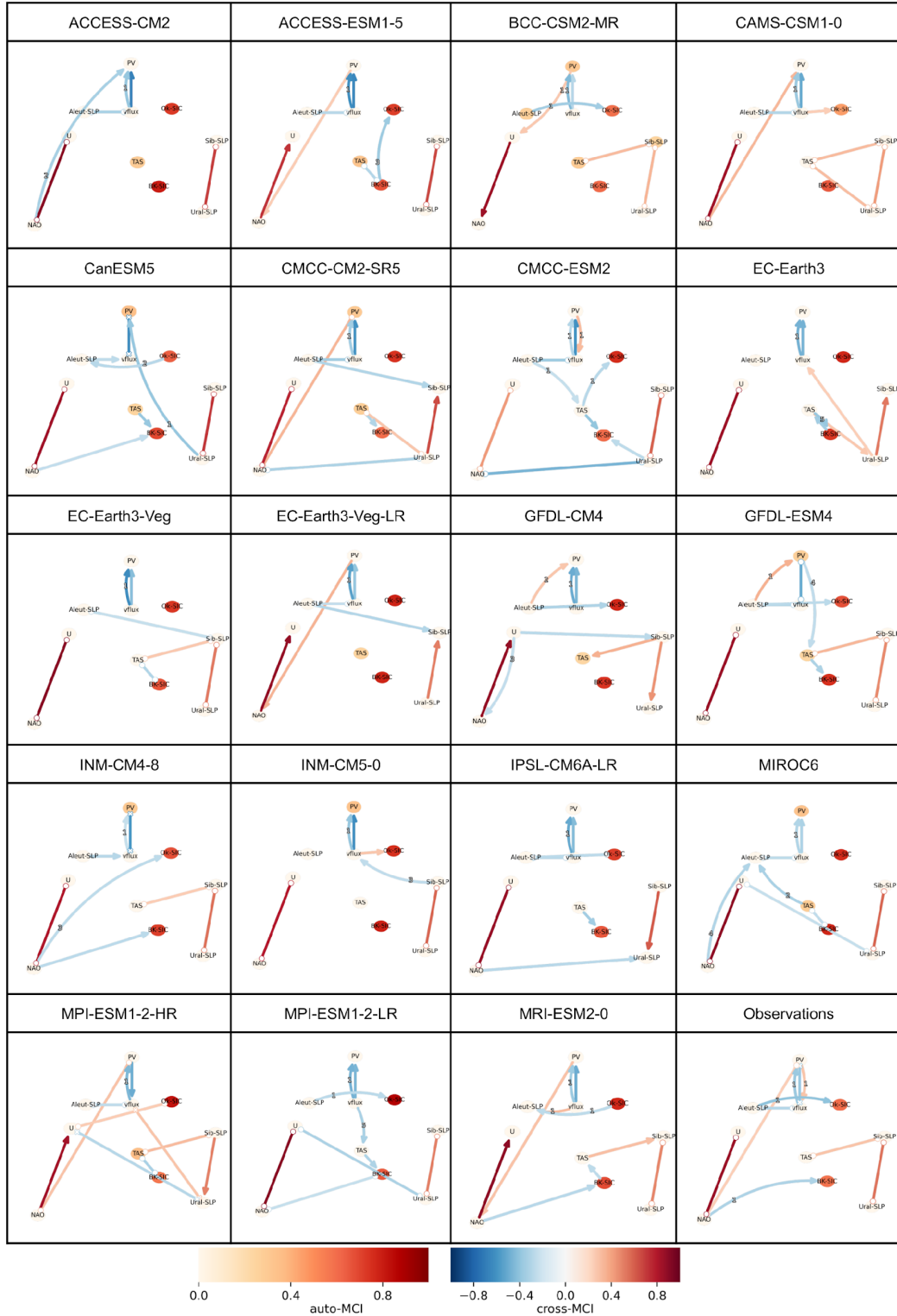


Figure S1. Causal graphs based on 19 CMIP6 historical simulations and Observations (ERA5 and HadISST) during winters (DJF) 1979-2019. The significance level is $qpc=0.01$ and the maximum time lag $\tau_{max}=5$.

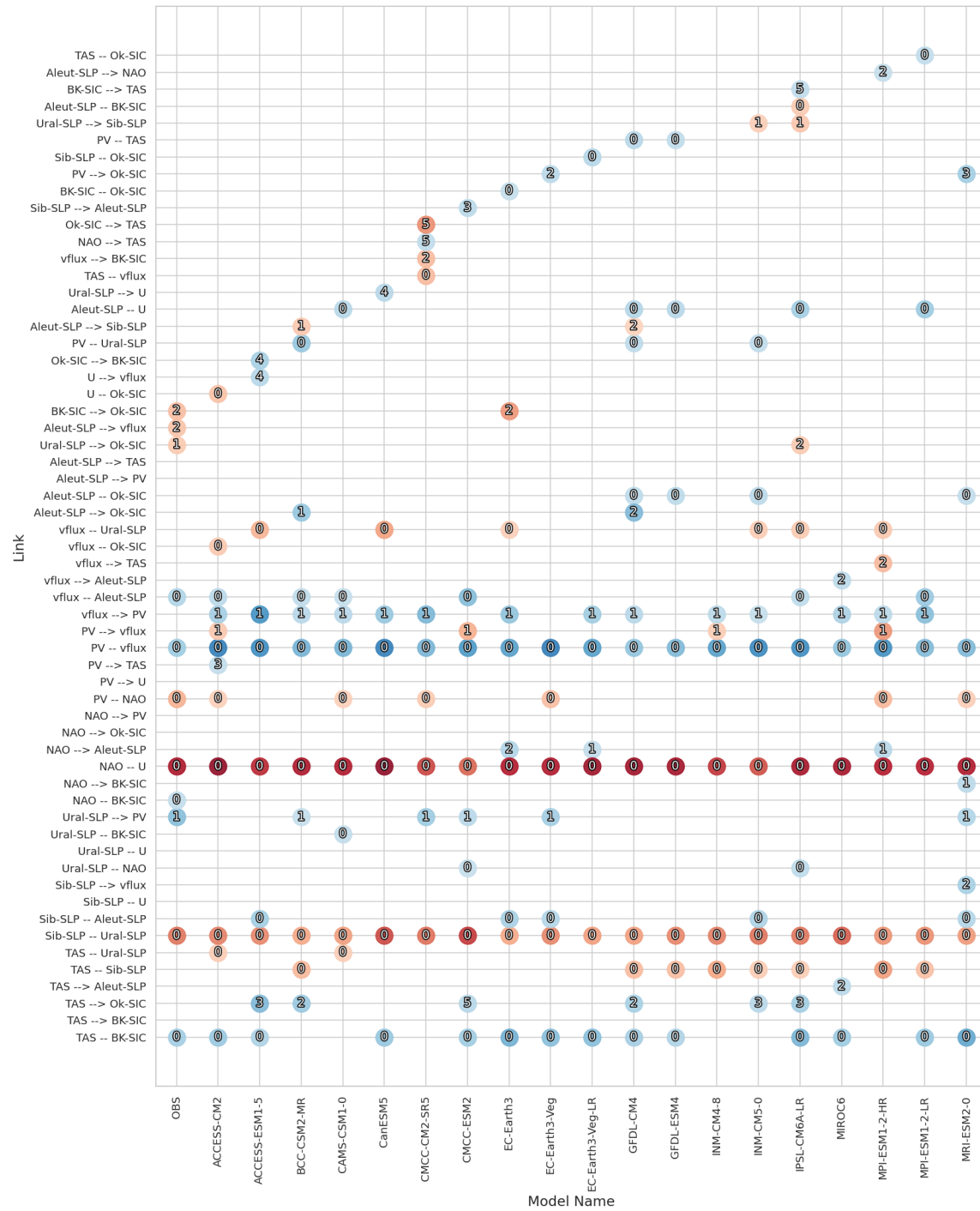


Figure S2. Summary of causal and instantaneous links detected in observations (OBS) and 19 CMIP6 historical simulations during early winters (OND) 1979-2019. Node color stands for the strength of the link. The number inside the node stands for the time lag in months, zero stands for the contemporaneous links.

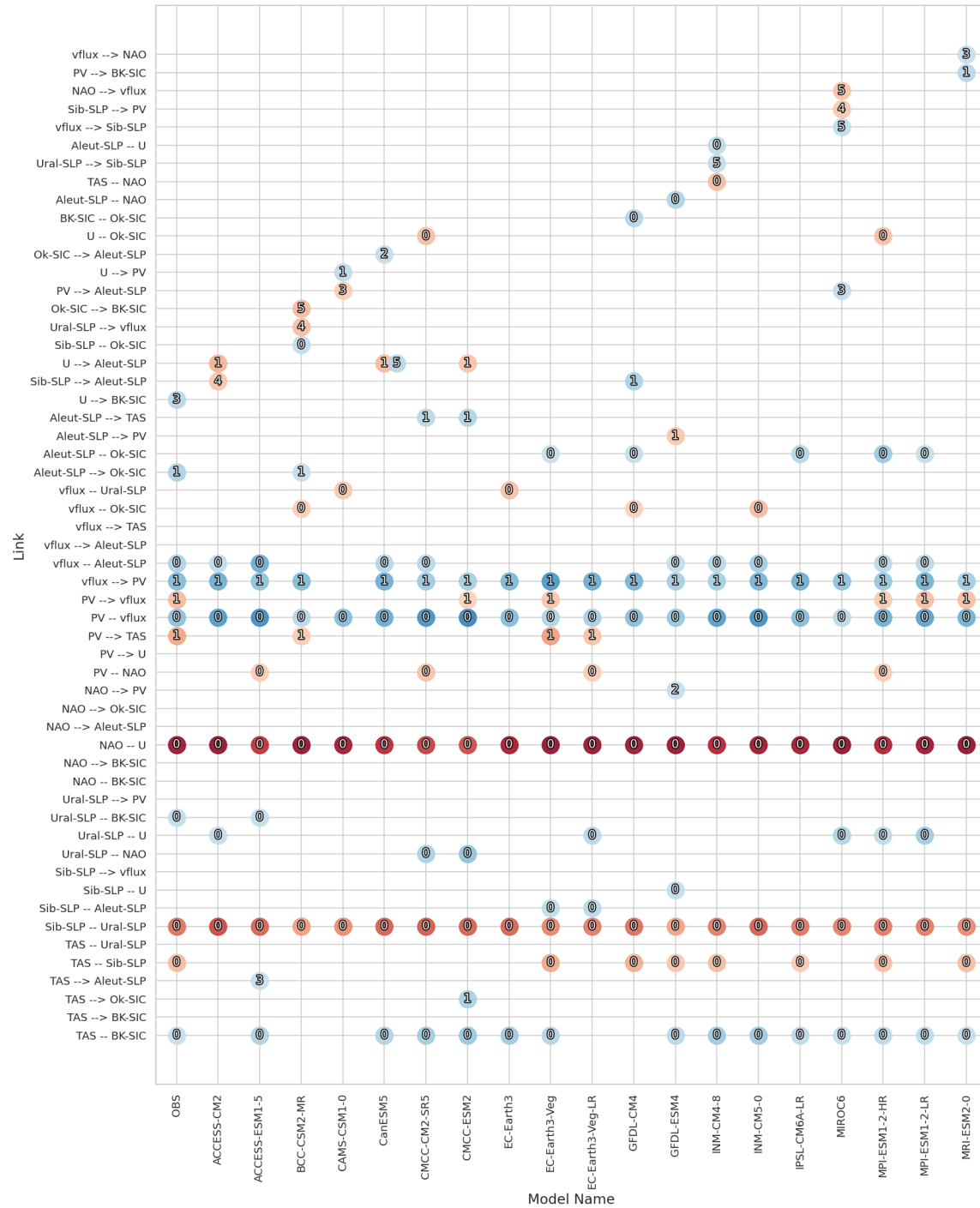


Figure S3. Same as Fig. S2, but for late winter (JFM) 1979-2019.

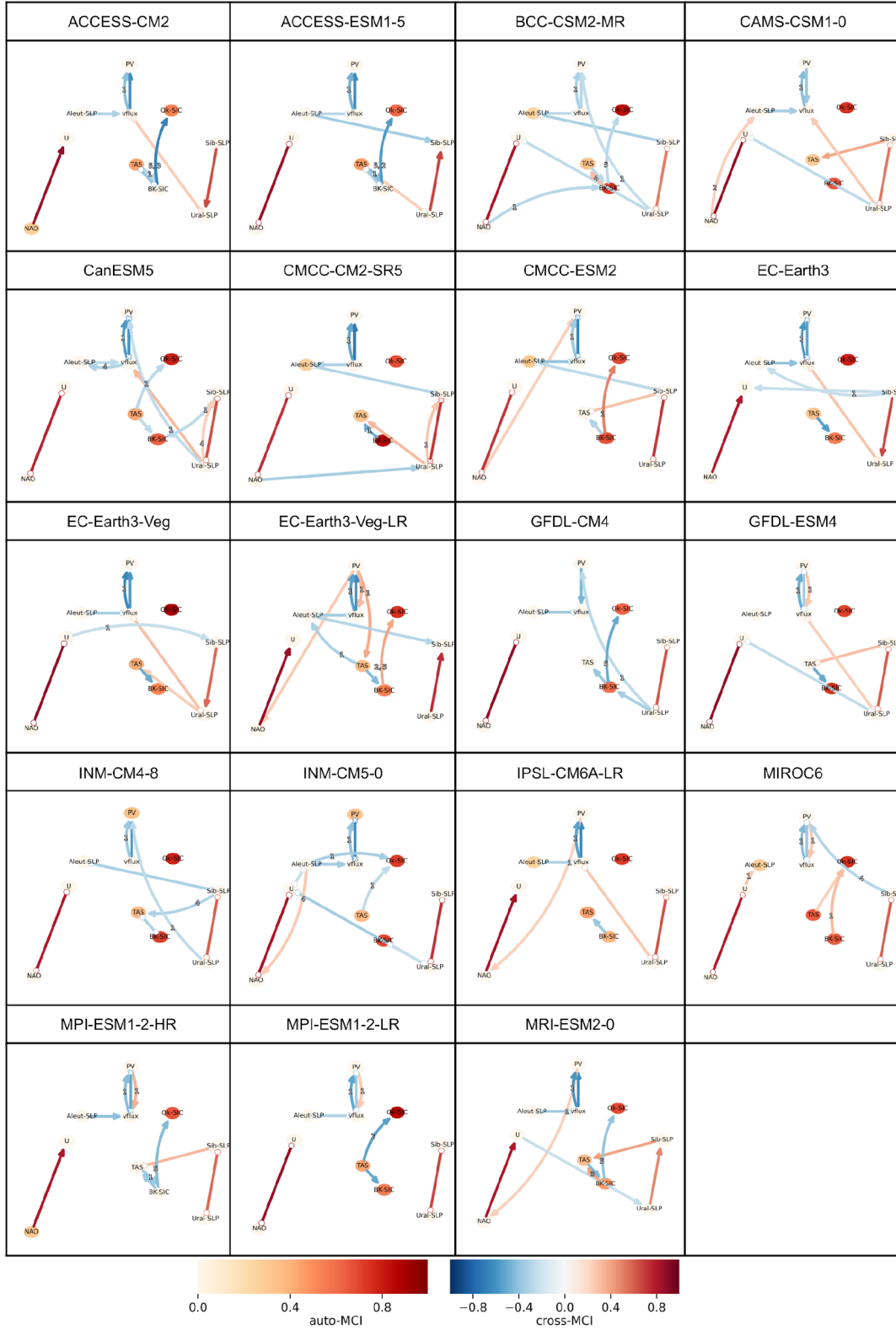


Figure S4. Same as Fig. S1, but for CMIP6 Scenario SSP5-8.5 simulations for DJF 2059-2099.

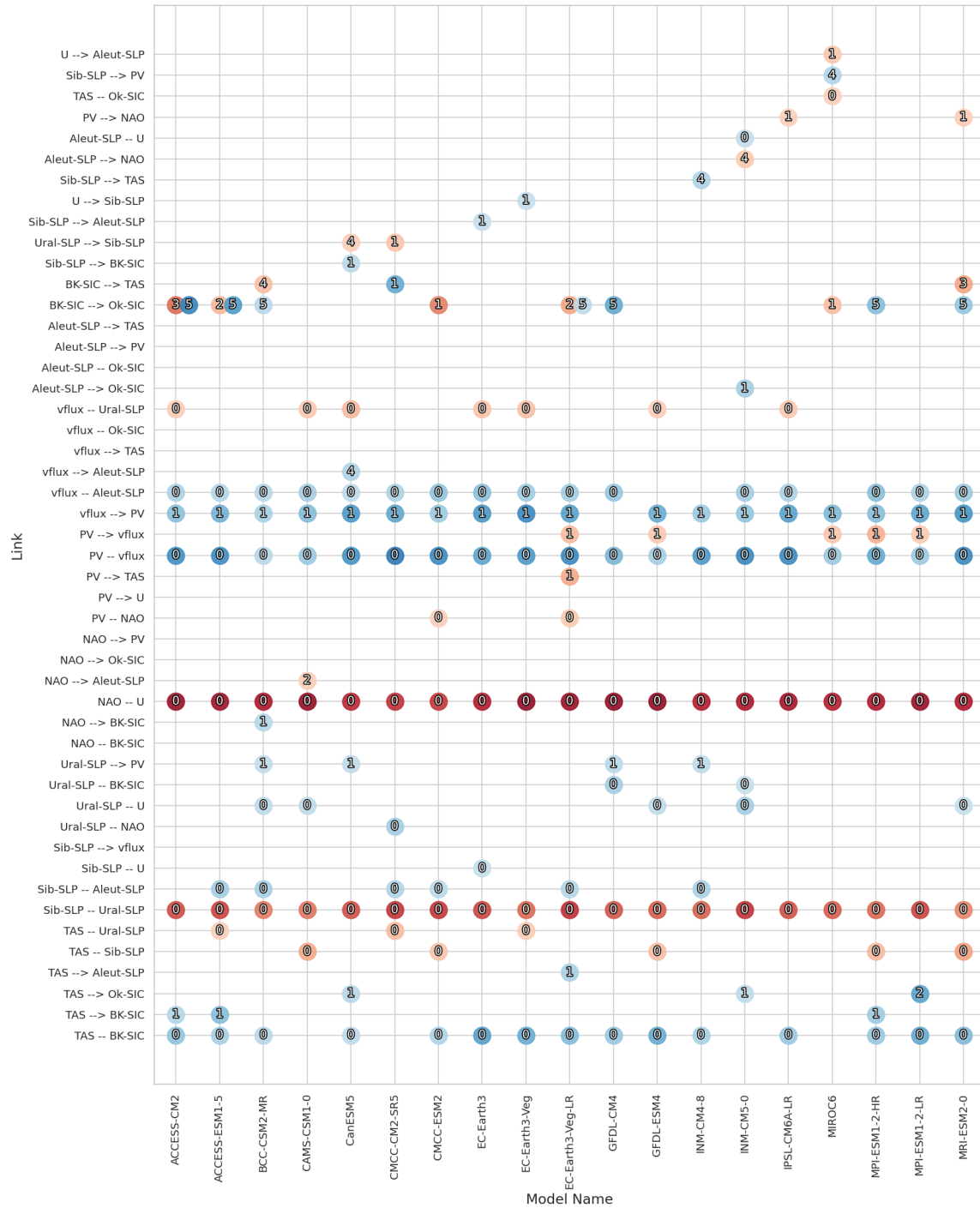


Figure S5. Same as Fig. S2, but for the ScenarioMIP SSP5-8.5 simulations for DJF 2059-2099.

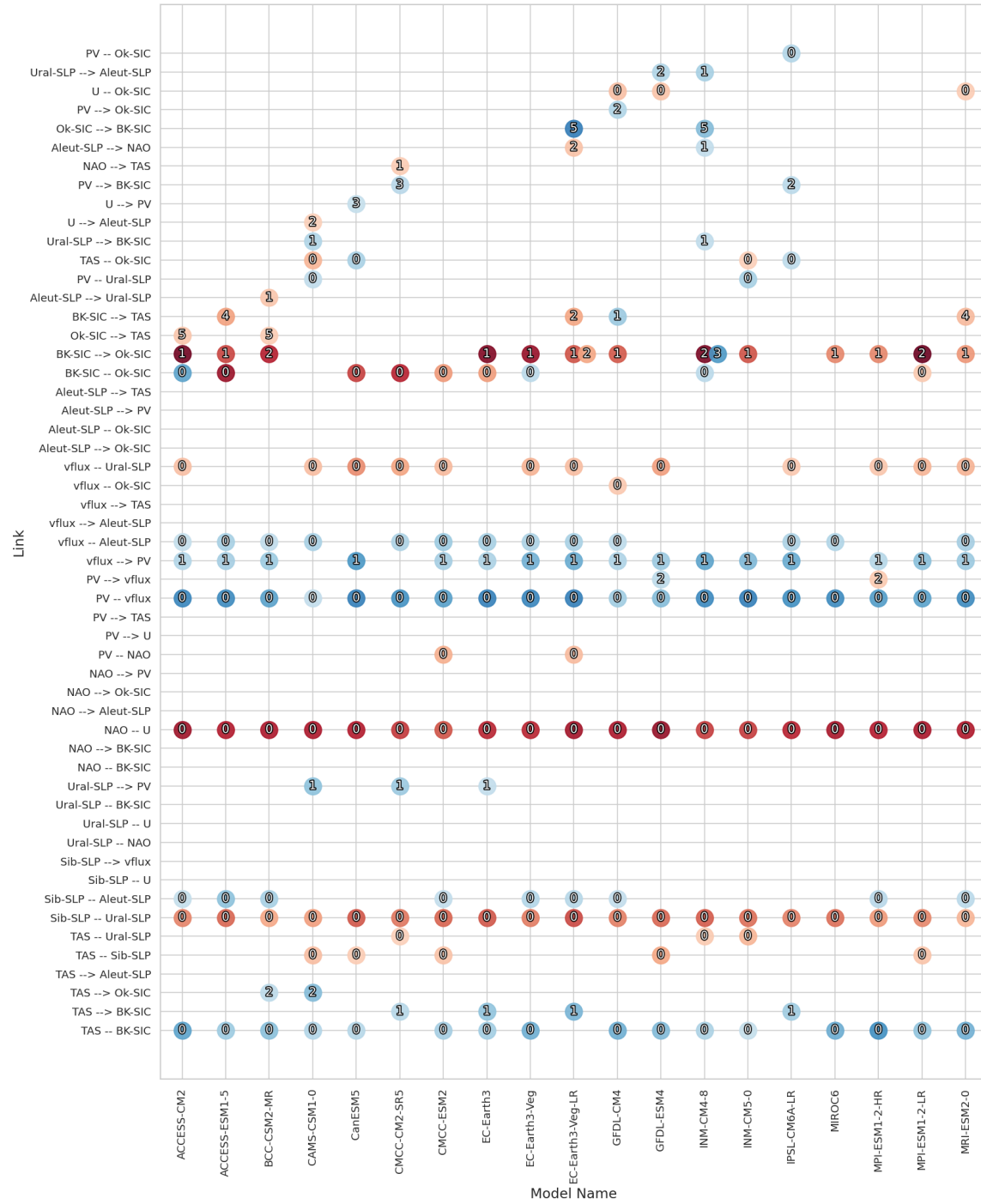


Figure S6. Same as Fig. S5, but for OND 2059-2099.



Figure S7. Same as Fig. S5, but for JFM 2059-2099.