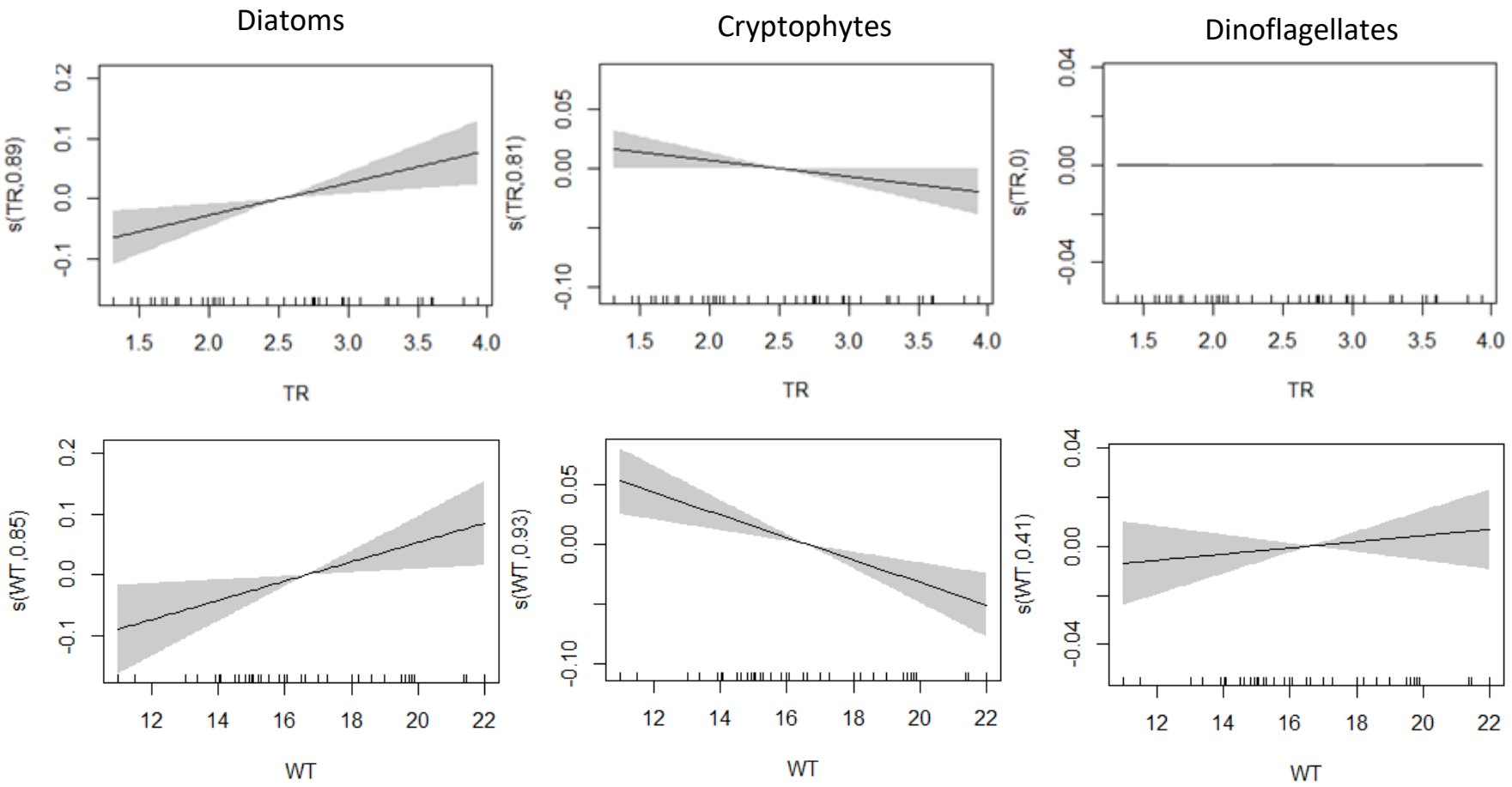
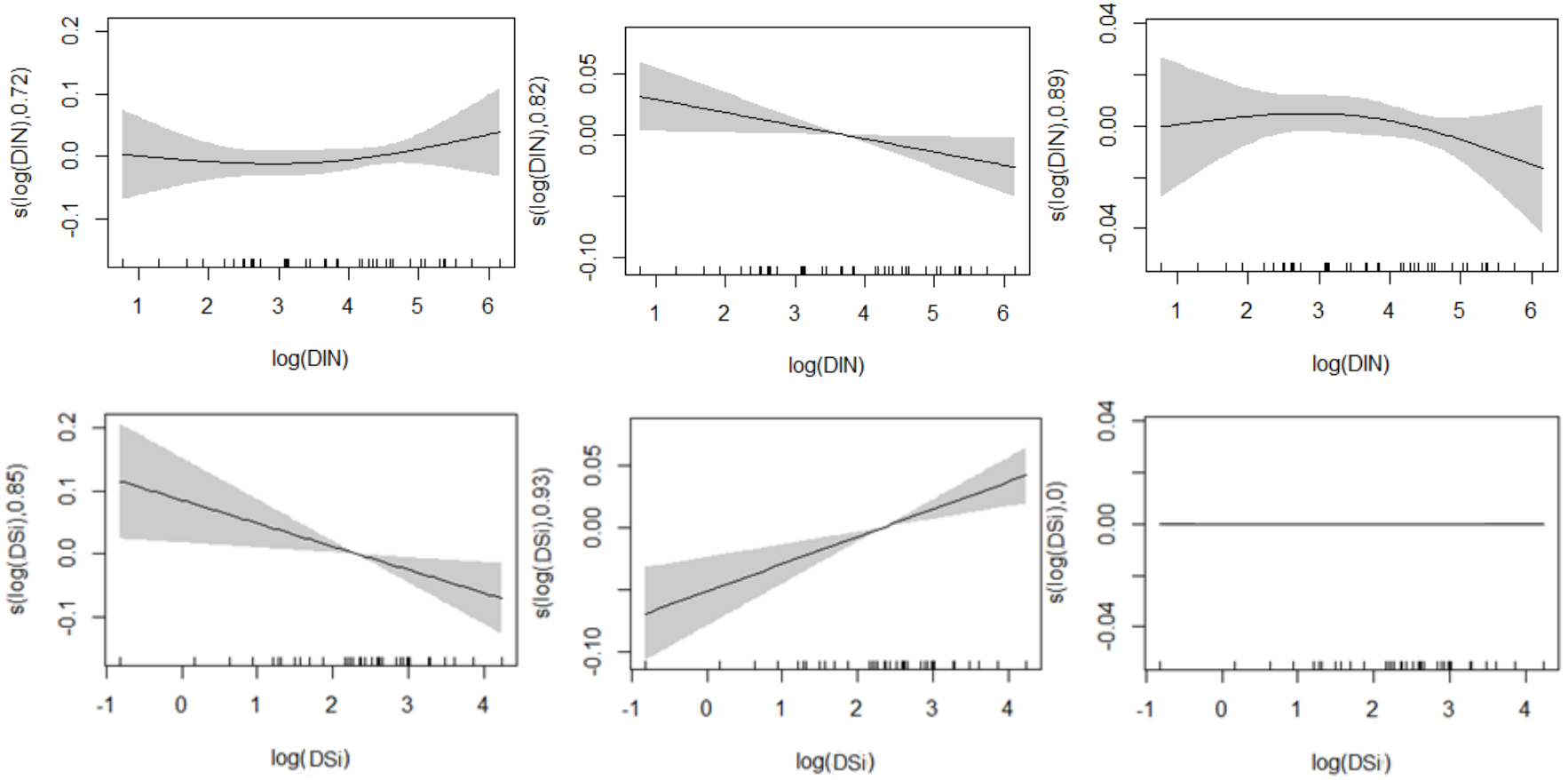

Diatoms
Cryptophytes
Dinoflagellates
s(TR,0.89)
s(TR,0.81)
s(TR,0)
TR
s(WT,0.85)
s(WT,0.93)
s(WT,0.41)
WT


s(log(DIN),0.72)
log(DIN)
s(log(DIN),0.82)
log(DIN)
s(log(DIN),0.89)
log(DIN)
s(log(DSi),0.85)
log(DSi)
s(log(DSi),0.93)
log(DSi)
s(log(DSi),0)
log(DSi)

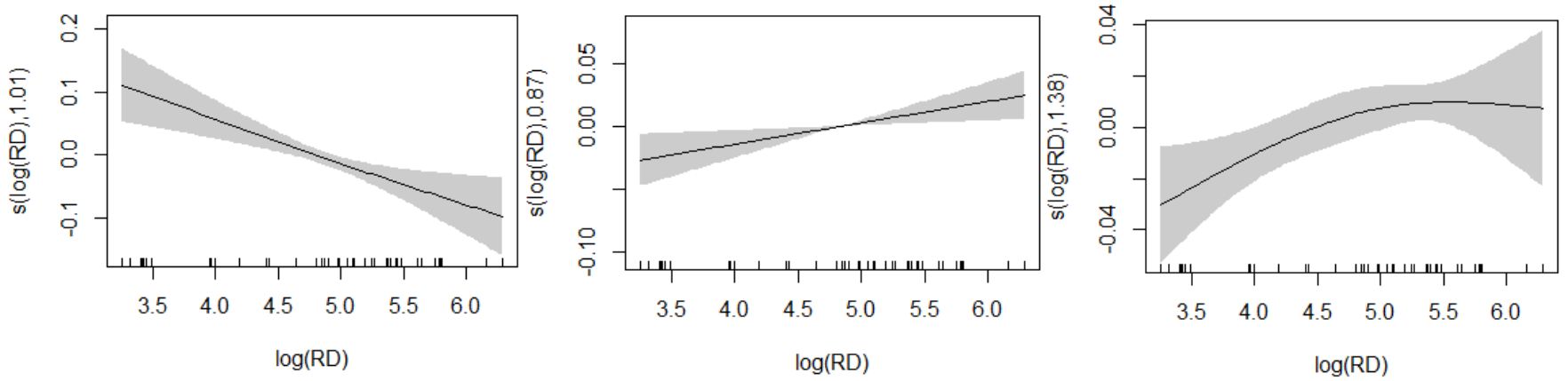
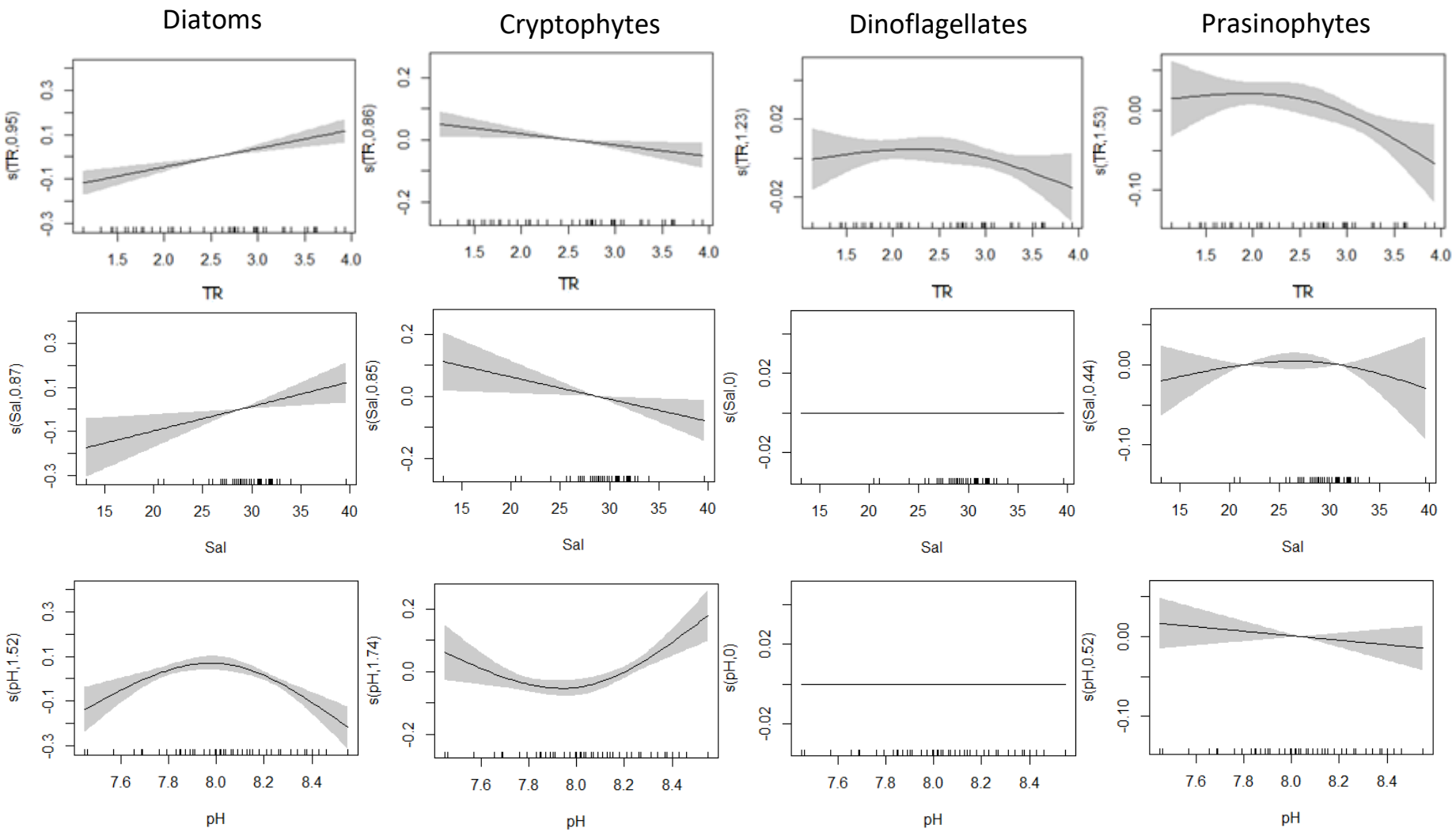
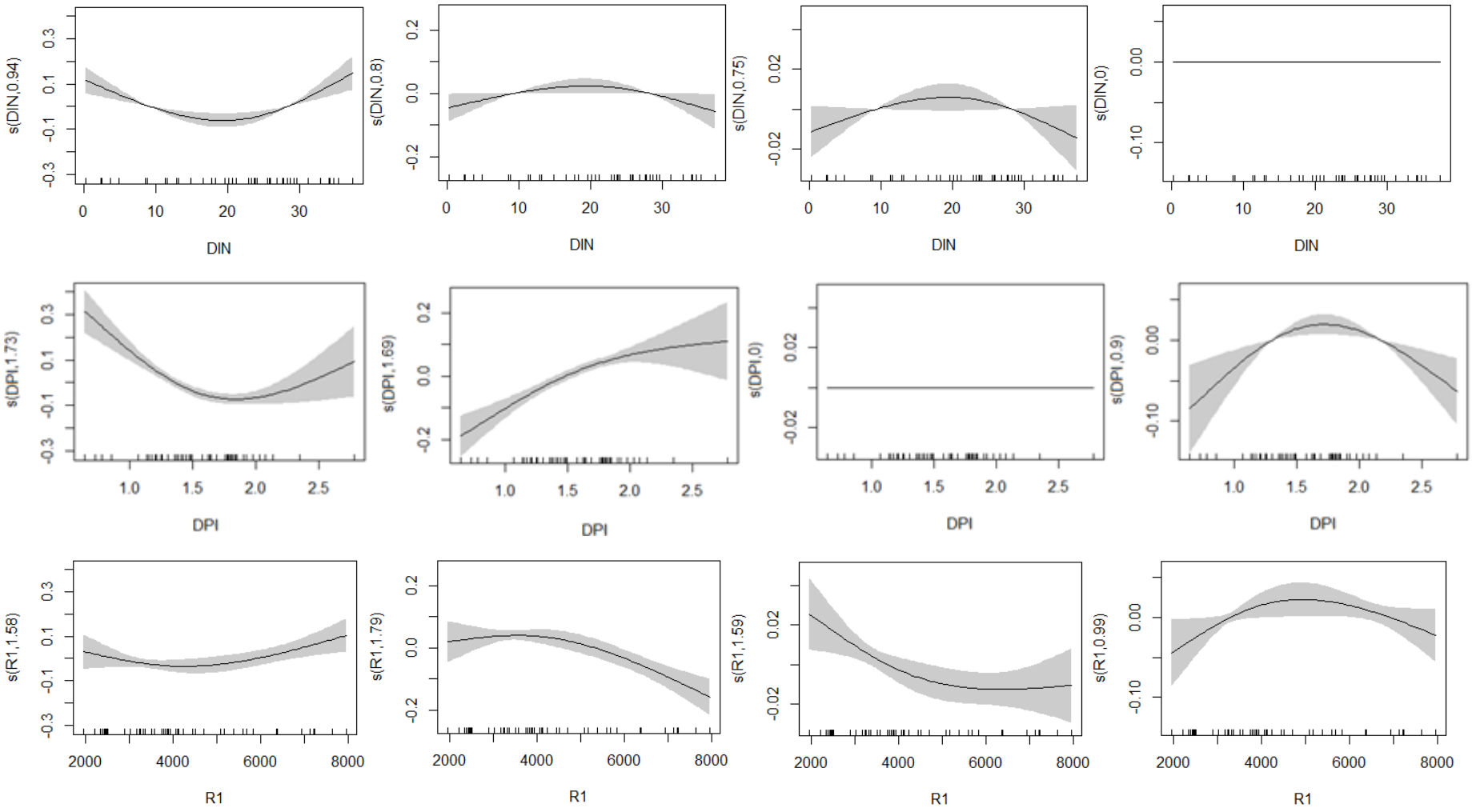


Figure SM 2 (continues on next page) – Generalized Additive models relation between each descriptor variable and Diatoms, Cryptophytes and Dinoflagellates with the descriptor variables in Alcântara. For easier interpretation of the relation between each group response, graphs are presented according to which descriptors were significant to Diatoms, which had the most significant descriptors. The parameters are presented as follows: water temperature (WT), pH, Salinity (Sal), tidal range (TR), orthophosphate concentration (DIP), silicate concentration (DSi), daily mean radiation (R1), dissolved inorganic nitrogen (DIN) and River discharge (RD).


Diatoms
Cryptophytes
Dinoflagellates
Prasinophytes
s(TR,0.95)
s(TR,0.86)
s(TR,1.23)
s(TR,1.53)
TR
s(Sal,0.87)
s(Sal,0.85)
s(Sal,0)
s(Sal,0.44)
Sal
s(pH,1.52)
s(pH,1.74)
s(pH,0)
s(pH,0.52)
pH


s(DIN,0.94)
DIN
s(DIN,0.8)
DIN
s(DIN,0.75)
DIN
s(DIN,0)
DIN
s(DPI,1.73)
DPI
s(DPI,1.69)
DPI
s(DPI,0)
DPI
s(DPI,0.9)
DPI
s(R1,1.58)
R1
s(R1,1.79)
R1
s(R1,1.59)
R1
s(R1,0.99)
R1

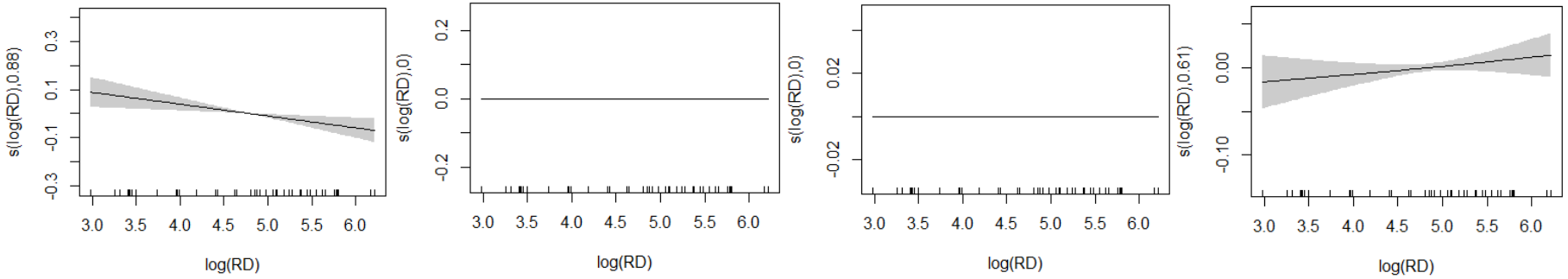


Figure SM 2 (continuation) – Generalized Additive models relation between each descriptor variable and both Diatoms, Cryptophytes, Dinoflagellates and Prasinophytes in Barreiro. For easier interpretation of the relation between each group response, graphs are presented according to which descriptors were significant to Diatoms, which had the most significant descriptors. The parameters are presented as follows: water temperature (WT), pH, Salinity (Sal), tidal range (TR), orthophosphate concentration (DIP), silicate concentration (DSi), daily mean radiation (R1), dissolved inorganic nitrogen (DIN) and River discharge (RD).