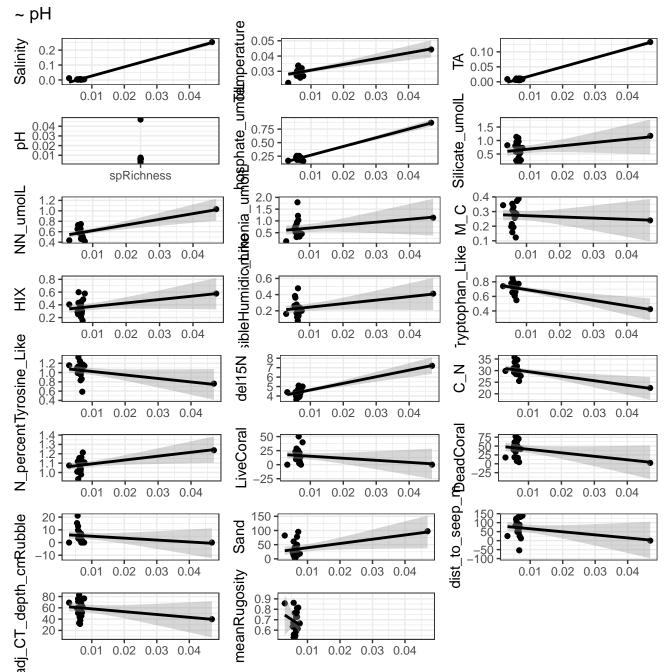
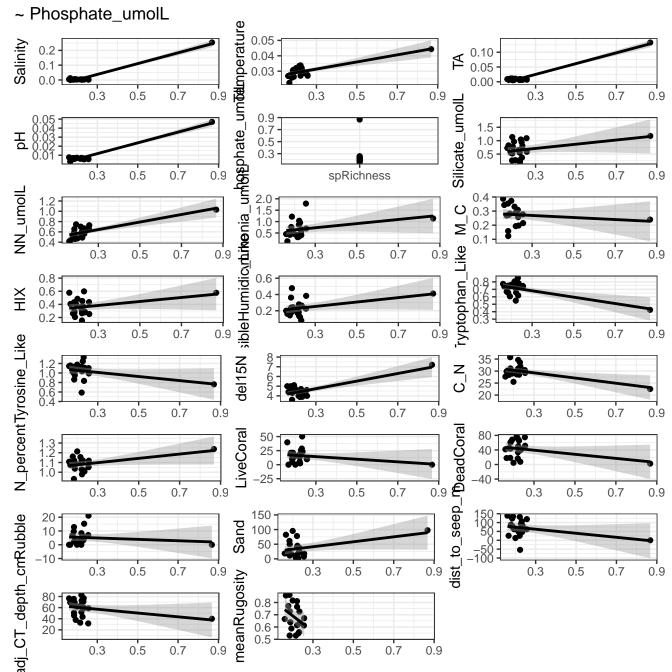
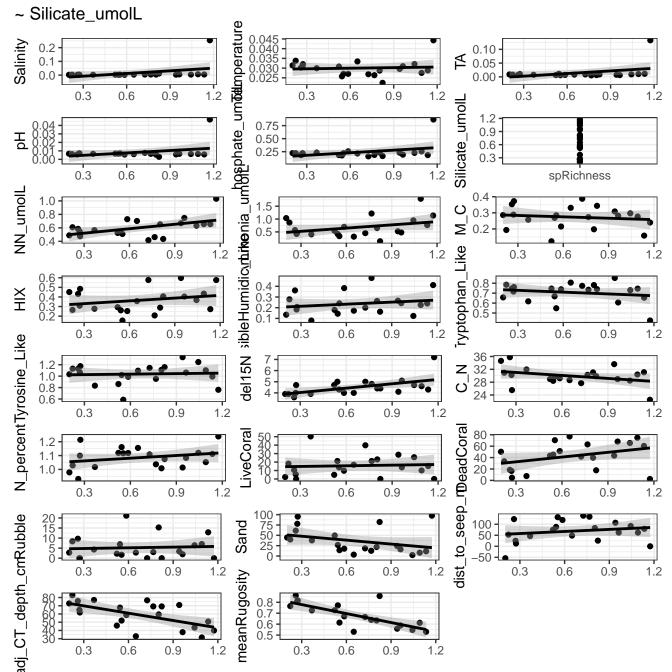
spRichness hosphate_umoduperature .045 .040 .035 .030 .025 0.2 -0.1 0.0 -0.1 Salinity 0.10 0.05 0.00 -0.05 ≰ Silicate_umolL 1.2 0.9 0.8 0.6 0.4 0.2 0.0 Hd 0.6 NN_umolL 0.4 1.5 -1.0 -0.5 -0.0 -0.9 0.7 0.5 0.3 ر ∑ 0.3 0.2 ryptophan_Like 0.6 0.4 -0.3 -0.2 -0.1 - $\stackrel{ imes}{=}$ 0.4 0.2 . 20 N_percentTyrosine_Like 32 28 24 1.2 -1.0 -0.8 -0.6 -Z_O dist_to_seep_mPeadCoral LiveCoral 75 50 25 0 30 70 70 1.2 1.1 1.0 150 100 50 -50 adj_CT_depth_cmRubble 50 Sand meanRugosity 0.9 -0.8 -0.7 -0.6 -0.4 -Ó

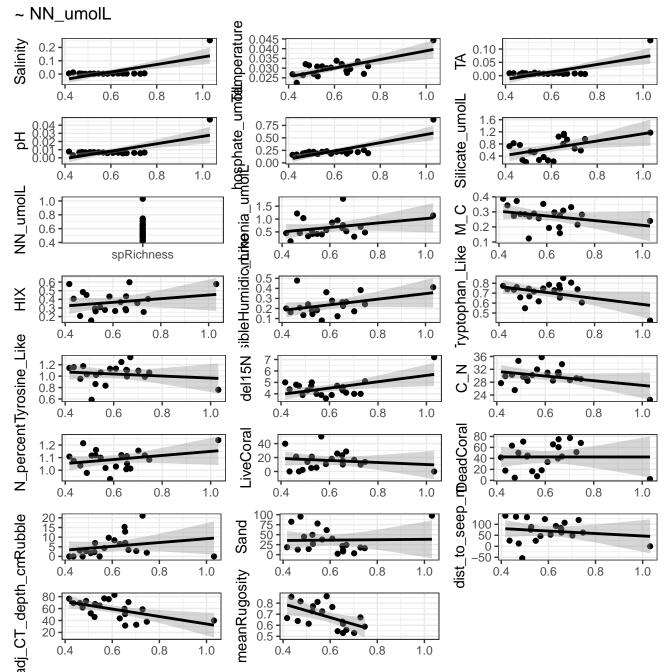
~ Salinity _um**od**mperature 0.05 0.04 0.05 0.03 0.00 spRichness 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 Silicate_umolL _umhtsphate_ 0.75 1.5 1.0 0.50 0.5 0.25 -0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 NN umolL 1.2 1.0 0.8 sible Humidicurbitenia 0.5 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 8.0 ryptophan_ 0.6 0.4 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 N_percentTyrosine_Like 35 30 25 del15N 20 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 _iveCora 25 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 seep idj_CT_depth_cmRubble 150 Sand 100 50 -10 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25 neanRugosity 40 20 0.00 0.05 0.10 0.15 0.20 0.25 0.00 0.05 0.10 0.15 0.20 0.25

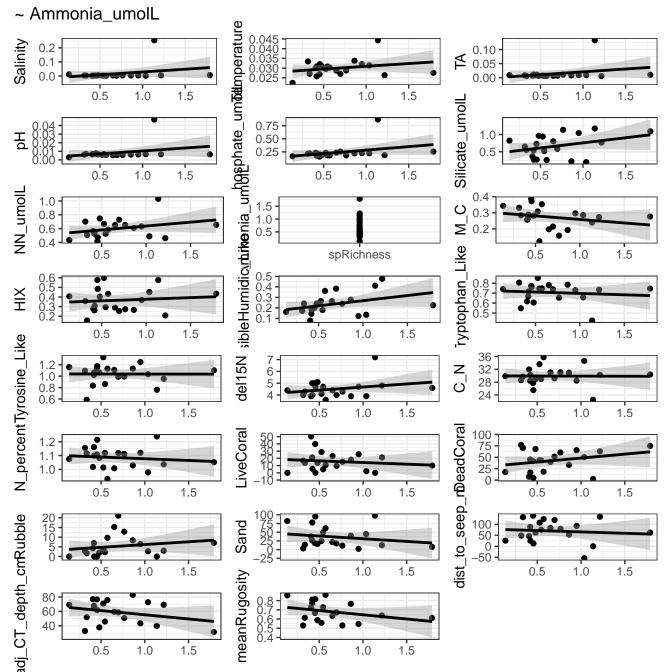
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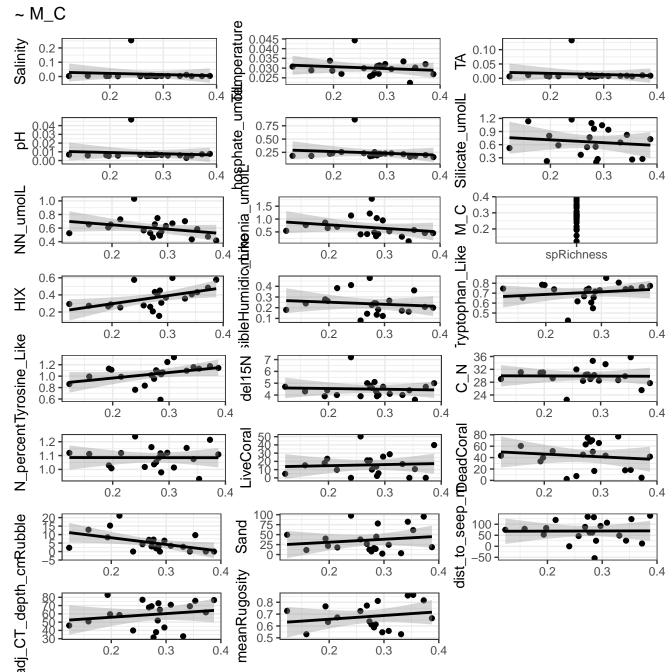


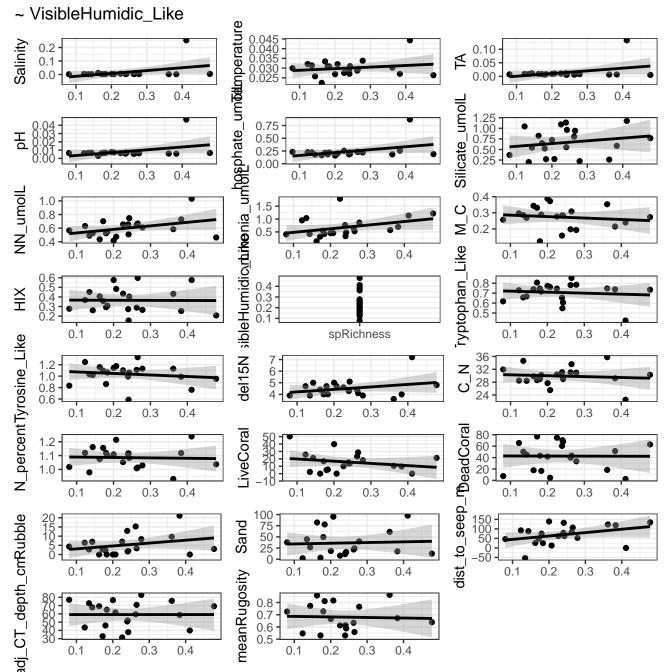








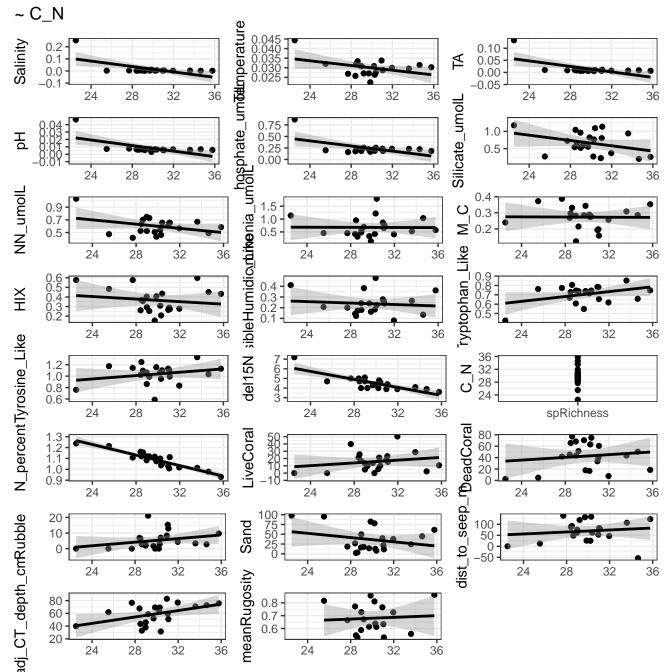




Tryptophan_Like sibleHumidic<u>uh</u>ikenia_um⇔pphate_umodumperature 0.045 0.040 0.035 0.030 0.025 Salinity 0.2 0.10 0.1 0.0 ≰ 0.05 0.00 0.8 0.7 0.8 0.5 0.6 0.7 0.5 0.6 0.5 0.6 0.7 0.8 Silicate_umolL 8:83 8:83 8:83 8:81 8:80 0.75 1.0 Hd 0.50 0.25 0.5 0.00 0.8 0.5 0.6 0.7 0.5 0.6 0.7 0.8 0.5 0.6 0.7 0.8 NN_umoll 0.4 1.0 1.5 S N 0.3 0.8 1.0 0.5 0.2 0.6 0.4 0.8 ryptophan_Like 0.7 0.6 0.5 0.6 0.5 0.7 0.8 0.5 0.7 0.6 0.8 0.6 0.5 0.4 0.3 0.2 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 $\stackrel{\times}{=}$ 0.6 0.7 0.8 0.6 0.8 0.5 0.5 0.7 spRichness N_percentTyrosine_Like 36 · 32 · 28 · 24 · del15N 1.2 -1.0 -0.8 -0.6 -7 6 5 4 Z O 0.8 0.5 0.6 0.7 0.8 0.5 0.6 0.7 0.8 0.5 0.6 0.7 dist_to_seep_meadCoral 80 60 40 20 0 LiveCoral 40 -1.2 -20 -1.1 1.0 0 0.8 0.6 0.7 0.6 0.7 8.0 0.5 0.5 0.5 0.6 0.8 0.7 100 75 50 25 0 adj_CT_depth_cmRubble 20 100 50 0 -50 Sand 10 0 0.7 0.6 0.5 0.7 0.8 0.5 0.6 0.8 0.5 0.6 0.7 8.0 meanRugosity 80 0.8 60 -0.7 40 0.6 0.6 0.8 0.5 0.7 0.7 0.8 0.5 0.6

Tyrosine_Like sibleHumidic<u>uh</u>ikenia_um⇔pphate_umodumperature 0.045 0.040 0.035 0.030 0.025 Salinity 0.2 0.10 0.1 0.0 ≰ 0.00 1.2 0.6 0.8 1.2 0.8 0.6 0.8 1.0 1.2 1.0 0.6 1.0 Silicate_umolL 1.2 0.75 0.50 0.25 0.00 0.9 핑 0.6 1.2 0.6 0.6 0.8 1.0 1.2 0.8 1.0 1.2 0.6 0.8 1.0 NN umolL 0.4 1.0 **.**4 1.5 S N 0.3 8.0 1.0 0.2 0.6 0.5 0.4 0.6 ryptophan_Like 1.2 0.8 1.0 1.2 0.8 1.0 0.8 1.2 0.6 0.6 1.0 0.9 0.8 0.7 0.6 0.5 0.6 0.4 0.3 0.2 0.1 $\stackrel{\times}{=}$ 0.4 0.2 1.2 0.8 1.2 1.2 0.6 1.0 0.6 0.8 1.0 0.6 0.8 1.0 N_percentTyrosine_Like 36 32 28 del15N 1.2 -1.0 -0.8 -0.6 -7 6 5 4 Z O 24 0.8 1.0 1.2 0.8 1.2 spRichness 0.6 0.6 1.0 dist_to_seep_meadCoral 80 60 40 20 LiveCoral 1.2 1.1 1.0 0.8 1.2 1.2 1.2 0.6 0.8 1.0 0.6 0.8 1.0 0.6 1.0 100 75 50 25 0 adj_CT_depth_cmRubble 100 50 0 -50 205 105 05 -5 Sand 0.8 1.2 1.0 0.6 0.6 0.8 1.0 1.2 0.6 1.2 0.8 1.0 meanRugosity 0.8 0.7 0.6 0.5 0.6 1.0 1.2 0.6 0.8 1.0 1.2 0.8

~ del15N del15N ₃ibleHumidic<u>uhi</u>nenia_um0lephate_umoduperature 0.045 0.040 0.035 0.030 0.025 Salinity 0.2 -0.10 0.05 0.00 ≰ 0.1 0.0 5 6 5 6 5 6 Silicate_umolL 0.75 0.50 0.25 0.00 0.04 0.03 0.02 0.01 0.00 1.5 1.0 0.5 Hd 5 6 5 6 NN_umolL 0.4 1.0 1.5 1.0 0.5 ryptophan_Like M_C 0.3 0.8 0.6 0.2 5 5 6 6 5 6 0.5 **-**0.4 **-**0.3 **-**0.2 **-**0.1 **-**0.6 $\stackrel{\times}{=}$ 0.4 0.2 5 7 6 6 6 5 N_percentTyrosine_Like 35 30 25 20 7 6 5 4 1.2 1.0 0.8 0.6 Z O spRichness 5 6 5 6 dist_to_seep_meadCoral LiveCoral 80 60 40 20 1.3 1.2 1.1 1.0 40 20 0 '7 5 5 5 6 6 6 4 120 90 60 30 0 20 10 adj_CT_depth_cmRubble 100 50 0 –50 Sand 0 -10 5 5 6 6 7 5 6 meanRugosity 80 60 40 20 0.8 0.7 0.6 5 5 6 6 7



~ N_percent del15N sibleHumidic<u>uhihe</u>nia_um0lpphate_umoduperature 0.045 0.040 0.035 0.030 0.025 Salinity 0.2 **-**0.1 **-**0.10 0.05 0.00 ≰ 0.0 -0.1 1.2 1.1 1.2 1.2 1.0 1.0 1.1 1.0 1.1 Silicate_umolL 1.2 0.75 **-**0.50 **-**0.25 **-**0.00 **-**0.9 Hd 0.6 1.2 1.2 1.2 1.0 1.1 1.0 1.1 1.0 1.1 NN_umolL 0.4 1.0 1.5 1.0 0.5 ວ_| ⊠ 0.8 0.3 0.6 0.2 0.4 1.2 ryptophan_Like 1.1 1.2 1.0 1.1 1.0 1.0 1.1 1.2 0.6 0.5 0.4 0.3 0.2 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 $\stackrel{ imes}{=}$ 1.2 1.2 1.0 1.2 1.0 1.1 1.1 1.0 1.1 N_percentTyrosine_Like 76543 1.2 1.0 34 30 26 22 S N 0.8 1.2 1.2 1.2 1.0 1.1 1.0 1.1 1.0 1.1 dist_to_seep_meadCoral 80 -60 -40 -20 -LiveCoral 50 30 10 10 1.2 1.1 1.0 1.0 1.2 1.2 1.1 spRichness 1.0 1.1 100 75 50 25 0 adj_CT_depth_cmRubble 20 15 10 0 100 50 0 –50 Sand 1.2 1.2 1.2 1.0 1.1 1.0 1.1 1.0 1.1 meanRugosity 0.8 0.7 0.6 80 60 40 1.2 1.2 1.0 1.1 1.0 1.1

