R^2 Heatmap for guidi - epi Regression fit AcnR -AgaR -AmtR -AraR -ArgR -BioQ -BirA · CadR-PbrR -CbIR -CcpA CsoR -CueR -CzrA -DasR · ExuR_UxuR - 0.4 FUR -FabR FadP FadR -FixJ FnrN_FixK -FruR -GguR -GlcC -GntR -GulR -HcpR -HexR -HisR -HrcA -HutC -HypR -Irr -- 0.3 IscR -KdgR -LexA · LiuQ -LiuR -LldR -LtbR -MerR -MetJ · MetR · MntR -ModE -NadQ -NagC -NagQ -NagR -NarP -NiaR -- 0.2 NifA -NikR -NmIR -NnrR -NorR -NrdR -NrtR -NsrR -NtrC -PaaR -PdhR -PdxR -PhnF -PhnR Phr -PhrR -PhsR -PrpR -PsrA · - 0.1 PurR -QorR -RbkR -RbsR -Rex -RutR -SahR_SamR -SdaR -SiaR -SoxR -ThiR -TrpR -TtrR -TyrR -VanR -XylR -ZntR -Zur -Salinity -NO2 -N03 -HC03 -Oxygen . P04 Iron.5m C03 S NPP 8d VGPM (mgC/m2/day) Temperature ChlorophyllA Carbon.total Ammonium.5m Alkalinity.total Mean Flux at 150m **Environmental Variables**