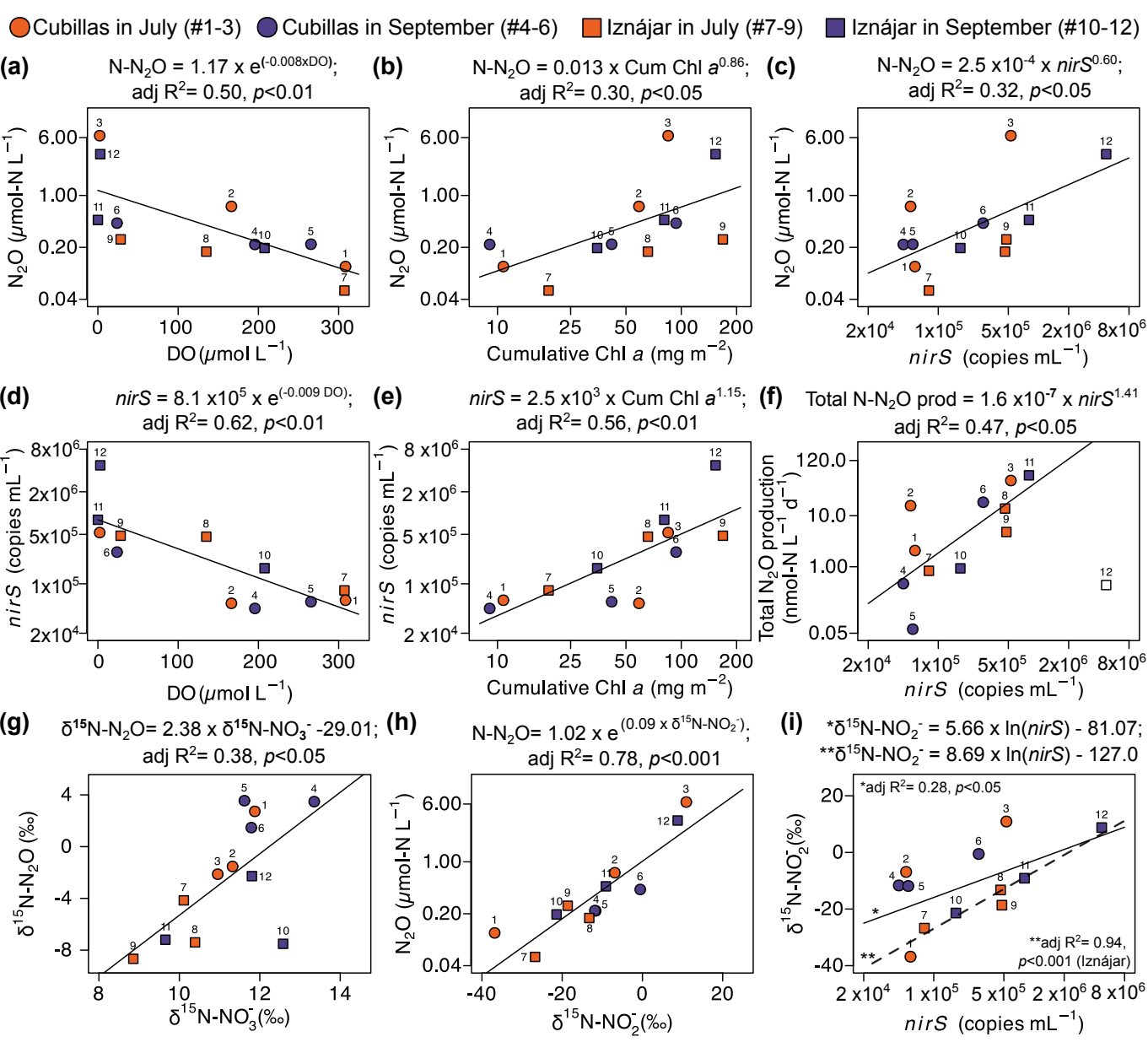
Cubillas in July (#1-3)
Cubillas in September (#4-6)
Iznájar in July (#7-9)
Iznájar in September (#10-12)
(a)
N-N2O = 1.17 x e(-0.008xDO);
adj R2= 0.50, p<0.01
N2O (µmol-N L−1)
DO (µmol L−1)
(b)
N-N2O = 0.013 x Cum Chl a0.86;
adj R2= 0.30, p<0.05
N2O (µmol-N L−1)
Cumulative Chl a (mg m−2)
(c)
N-N2O = 2.5 x10-4 x nirS0.60;
adj R2= 0.32, p<0.05
N2O (µmol-N L−1)
nirS (copies mL−1)
(d)
nirS = 8.1 x105 x e(-0.009 DO);
adj R2= 0.62, p<0.01
nirS (copies mL−1)
DO (µmol L−1)
(e)
nirS = 2.5 x103 x Cum Chl a1.15;
adj R2= 0.56, p<0.01
nirS (copies mL−1)
Cumulative Chl a (mg m−2)
(f)
Total N-N2O prod = 1.6 x10-7 x nirS1.41
adj R2= 0.47, p<0.05
Total N2O production (nmol-N L−1 d−1)
nirS (copies mL−1)
(g)
δ15N-N2O= 2.38 x δ15N-NO3- -29.01;
adj R2= 0.38, p<0.05
δ15N-N2O (‰)
δ15N-NO3-(‰)
(h)
N-N2O= 1.02 x e(0.09 x δ15N-NO2-);
adj R2= 0.78, p<0.001
N2O (µmol-N L−1)
δ15N-NO2-(‰)
(i)
*δ15N-NO2- = 5.66 x ln(nirS) - 81.07;
**δ15N-NO2- = 8.69 x ln(nirS) - 127.0
*adj R2= 0.28, p<0.05
**adj R2= 0.94, p<0.001 (Iznájar)
δ15N-NO2-(‰)
nirS (copies mL−1)