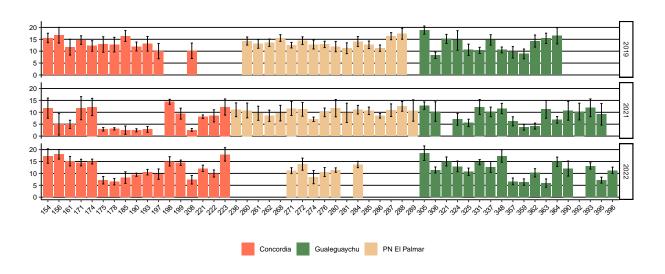
# Variables reproductivas

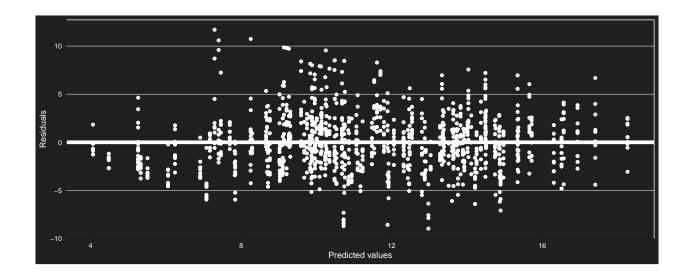
### Peso seco de botones florales en fases C/D

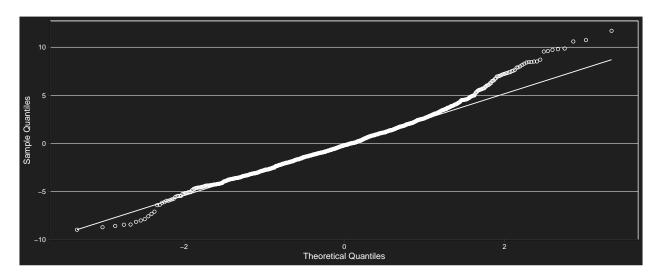


#### Modelo ajustado

```
## Linear mixed model fit by REML ['lmerModLmerTest']
## Formula: ps_flor ~ (1 | year) + (1 | site/phenotype)
      Data: datosff
## REML criterion at convergence: 6086.551
## Random effects:
   Groups
                   Name
                               Std.Dev.
##
   phenotype:site (Intercept) 2.2939
                   (Intercept) 0.3143
##
##
  year
                   (Intercept) 2.4651
## Residual
                               3.0106
## Number of obs: 1178, groups: phenotype:site, 52; site, 3; year, 3
## Fixed Effects:
## (Intercept)
##
         11.68
```

Verificación de supuestos

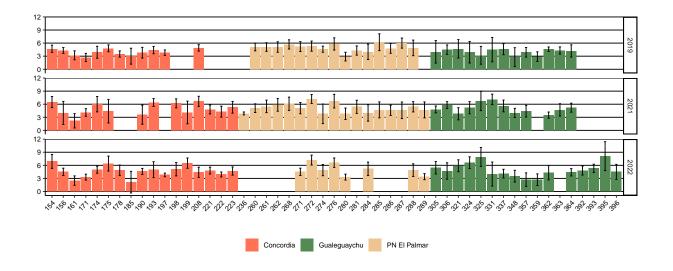




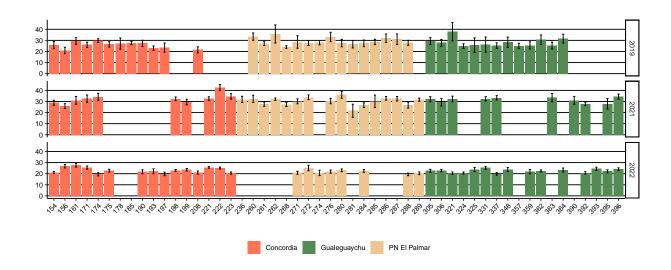
```
##
    Shapiro-Wilk normality test
##
## data: e
## W = 0.98207, p-value = 6.87e-11
##
##
   Shapiro-Wilk normality test
##
## data: betai
## W = 0.98051, p-value = 0.5477
Resumen del modelo
## Linear mixed model fit by REML. t-tests use Satterthwaite's method ['lmerModLmerTest']
## Formula: ps_flor ~ (1 | year) + (1 | site/phenotype)
##
     Data: datosff
##
```

```
## REML criterion at convergence: 6086.6
##
## Scaled residuals:
##
      Min
              1Q Median
                               ЗQ
                                     Max
## -2.9813 -0.6367 -0.0643 0.5496 3.8878
##
## Random effects:
   Groups
                              Variance Std.Dev.
##
                  Name
##
   phenotype:site (Intercept) 5.2620
                                      2.2939
##
   site
                  (Intercept) 0.0988
                                      0.3143
   year
##
                  (Intercept) 6.0769
                                      2.4651
                                      3.0106
   Residual
                              9.0637
## Number of obs: 1178, groups: phenotype:site, 52; site, 3; year, 3
##
## Fixed effects:
              Estimate Std. Error
##
                                      df t value Pr(>|t|)
## (Intercept) 11.683
                            1.473 2.262
                                         7.934 0.0107 *
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
```

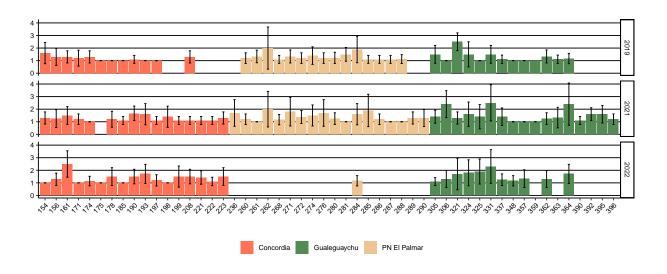
## Número de óvulos por flor



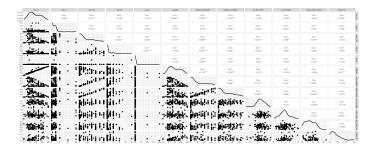
### Diámetro medio de polen ()



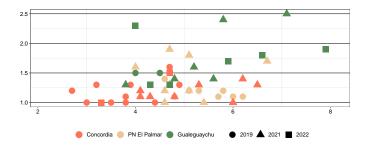
### Número de semillas por fruto



### Correlaciones



#### Correlación $N^{\circ}$ de semillas y $N^{\circ}$ de óvulos

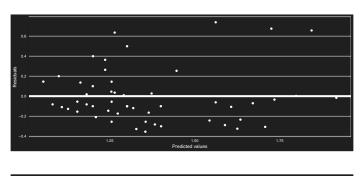


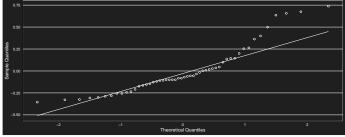
#### ## [1] 0.3966561

#### Modelo

```
## Linear mixed model fit by REML ['lmerModLmerTest']
## Formula: mean_ns ~ n_ovu_mean + (1 | year) + (1 | site)
      Data: df_ovusem
##
## REML criterion at convergence: 28.0874
## Random effects:
                         Std.Dev.
   Groups
             Name
##
   year
             (Intercept) 0.0000
##
   site
             (Intercept) 0.2272
                         0.2818
## Residual
## Number of obs: 52, groups: year, 3; site, 3
## Fixed Effects:
## (Intercept)
                n_ovu_mean
       0.94804
                    0.09094
##
## optimizer (nloptwrap) convergence code: 0 (OK); 0 optimizer warnings; 1 lme4 warnings
```

#### Verificación de supuestos





```
##
## Shapiro-Wilk normality test
##
## data: e
## W = 0.88056, p-value = 8.662e-05
```

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- N. 1984	da e ingela	1. Ket 240 1	390	421	1000		
190	183	197	198	198	208	221	222
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223	236	260	261	262	268	271	272
		10.48	er seer r	a 644 Pr	24 - 444	427 .	Same.
274	276	280	281	284	285	284	287
	2/%	12.5	900		1,42	April 1	20. 150
288	289	335	300	321	334	321	331
256	ate a company or	17.5%	40.4.	2	1300	- Mar	19:00
337	368	307	203	362	303	364	380
	e transce		28 %-	2200	11.00	4.26	4. 5
392	383	389	206	1 1 1 1 1	a i i i i a a	1 10 10 20 20	1 10 10
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i 10 16	20 20 1 10 11 20	26 8 10 16 20 2	1 10 10 20	25 e boton C/D (mg)			