Variety Data

Variety	Number Plants	Number Flowered	Percent Flowered	In Experiment?	Mean Budburst Date
Alicante Bouschet	7	0	0	N	13.90577701
Aligote	6	0	0	N	13.32480202
Auxerrois	5	1	20	N	13.9534995
Barbera	9	1	11.11111111	N	12.42439584
Cabernet franc	7	0	0	N	13.84282667
Cabernet Sauvignon	9	1	11.11111111	Y	14.70570969
Calzin	5	3	60	N	14.66366038
Carmenere	8	0	0	Y	15.55223647
Carnelian	9	3	33.33333333	N	11.59739021
Chardonnay	7	0	0	Y	13.27202255
Chasselas doree	7	0	0	Y	11.70141943
Cinsault	7	0	0	Y	16.36545183
Coda di Volpe	5	0	0	N	15.02306213
Counoise	9	0	0	N	17.88661987
Dolcetto	7	1	14.28571429	Y	14.67593836
Durif	15	6	40	Y	13.47568268
Early Muscat	6	0	0	N	11.74416829
Furmint	8	0	0	Y	14.97641002
Gamay Noir	8	4	50	N	12.87555823
Gewurztraminer	9	1	11.11111111	Y	12.45307628
Gruner Veltiner	7	0	0	N	14.86512484
July Muscat	5	0	0	N	11.20999857
Macabeo	6	0	0	Y	15.65572537
Marsanne	9	2	22.22222222	N	14.2368048
Melon	5	0	0	N	14.32830313
Merlot	6	0	0	Y	13.94825499
Morrastel	6	0	0	N	15.71067531
Nebbiolo	6	0	0	Y	13.6417069
Palomino	4	0	0	Y	14.87955351
Pinot gris	8	1	12.5	N	13.89299853
Pinot Meunier	6	3	50	N	13.73747328
Pinotage	5	3	60	N	10.7102415
Refosco	6	0	0	N	14.52280194
Rkatsiteli	5	0	0	Y	16.30820068

Variety	Number Plants	Number Flowered	Percent Flowered	In Experiment?	Mean Budburst Date
Rotgipfler	7	1	14.28571429	N	14.4536252
Roussanne	6	0	0	N	16.77879992
Ruby Cabernet	8	4	50	N	15.75792645
Ruby Seedless	6	0	0	N	16.00731428
Sangiovese	7	0	0	Y	13.06463094
Sauvignon blanc	7	3	42.85714286	Y	15.75054996
Schiopettino	8	0	0	N	14.68581677
Syrah	8	1	12.5	Y	13.78461575
Szagos feher	7	1	14.28571429	N	13.51749972
Tempranillo	12	5	41.66666667	Y	14.63416892
Tocai Friulano	5	1	20	N	16.64069008
Ugni blanc/Trebbiano	5	0	0	Y	18.40547719
Verdelho	6	5	83.33333333	N	11.08427436
Viognier	8	0	0	Y	14.42165669
Zinfandel/Primitivo	6	0	0	Y	15.01516845

RMI and Greenhouse Budburst
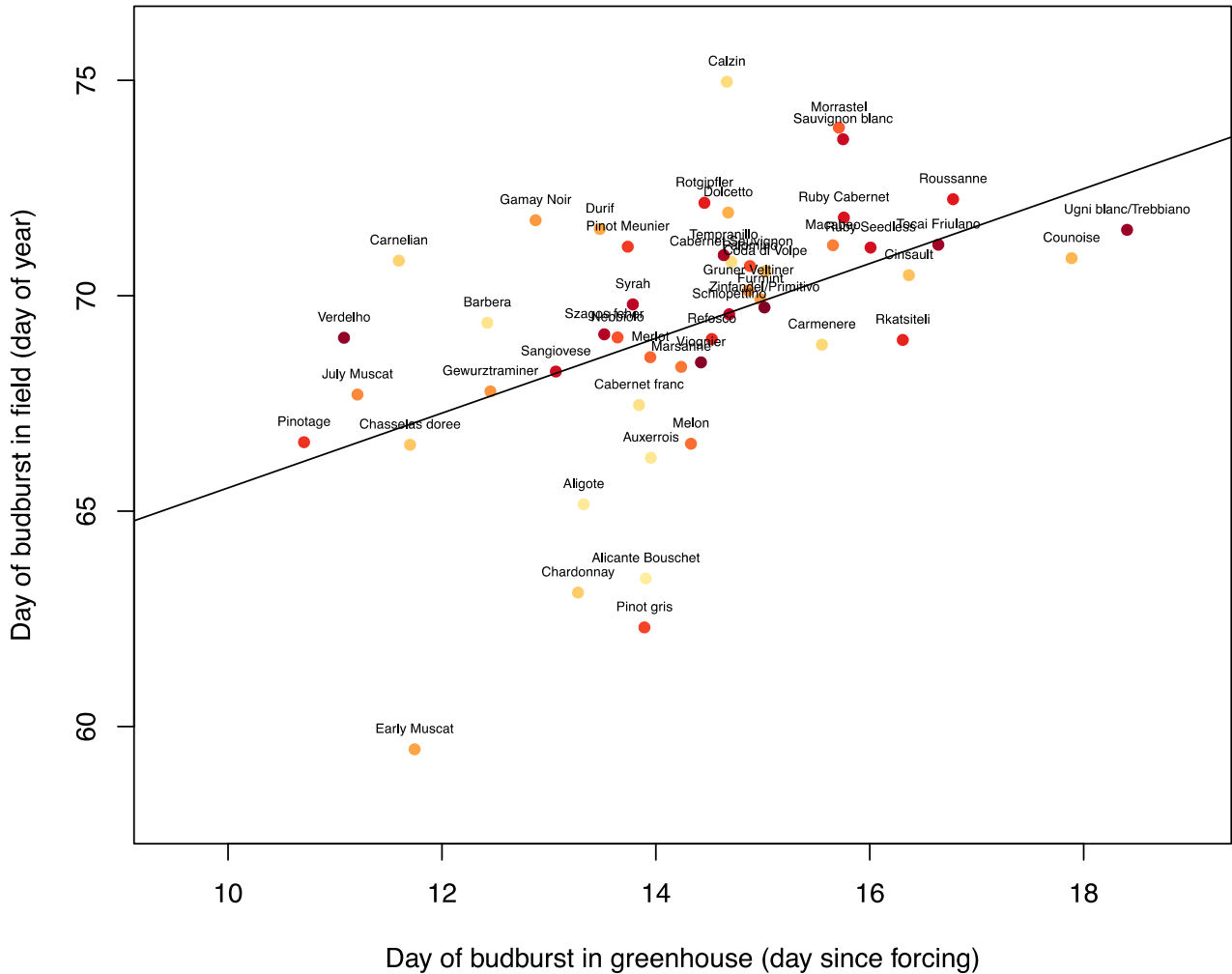
ghrmi_vars_noarrows

RMI/GH	F	DF	Estimate	Std Error	P
budburst	14.55	1,47	0.8678	0.2275	0.0003977

RMI and Greenhouse Leafout
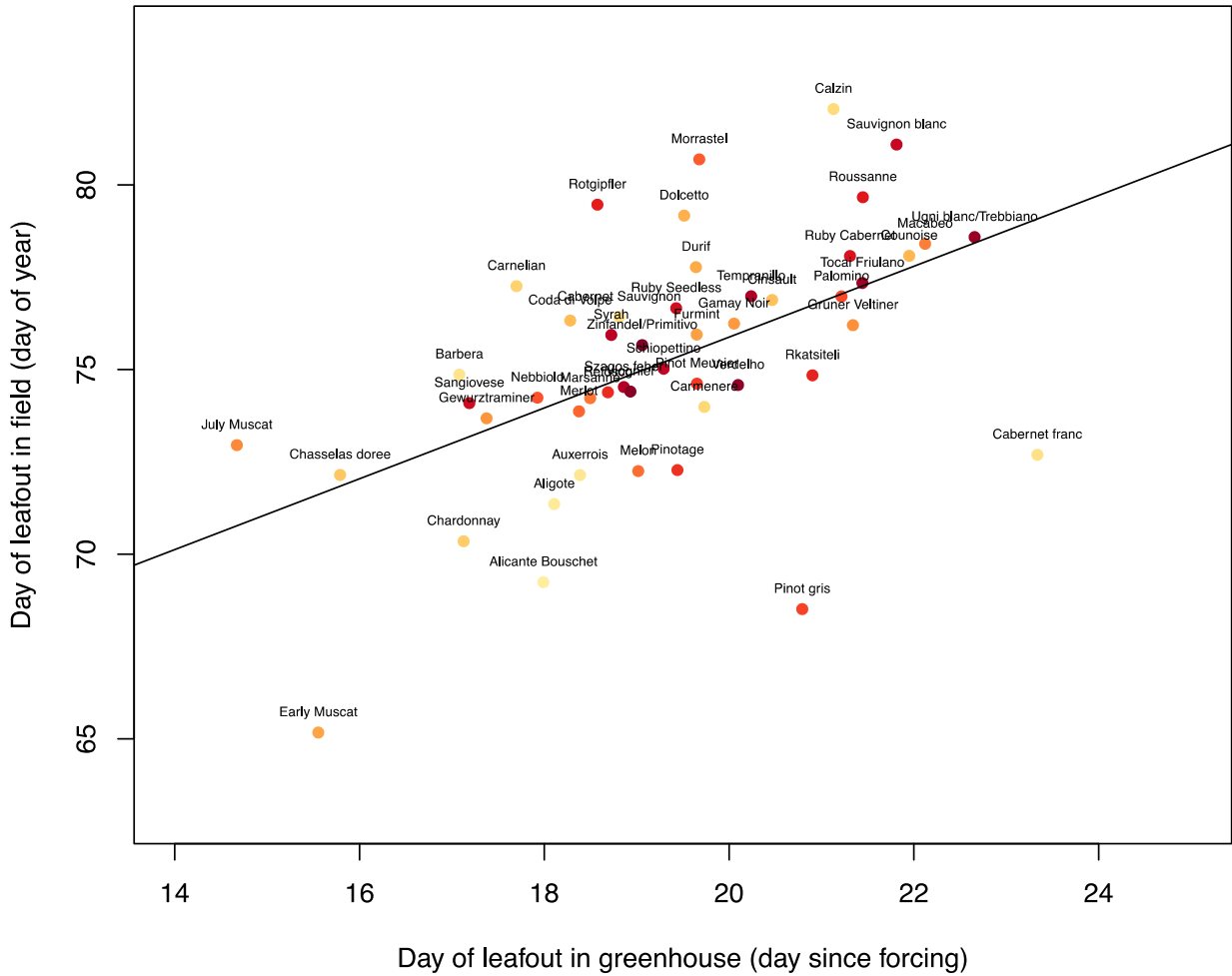
ghrmi_vars_noarrows

RMI/GH	F	DF	Estimate	Std Error	P
leafout	18.91	1,47	0.9588	0.2205	0.00007307

Spur Diameter Predicting 50% Flowering
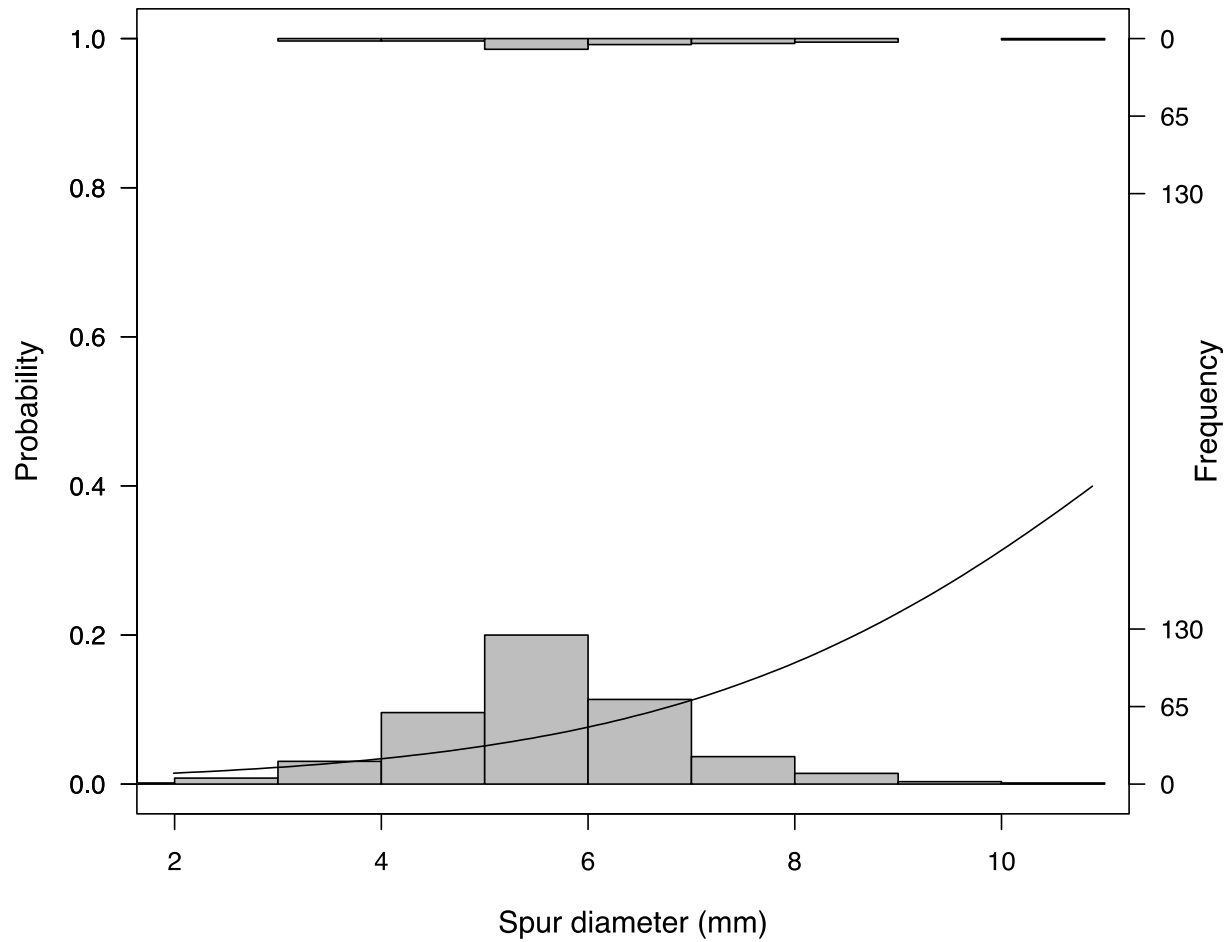
gh_loghistfin

Prob of flowering (50%) based on spur size	Estimate	Std Error	Z value	PR (> $|z|$)	DF
	0.4273	0.1502	2.208	0.0273	340

Soil Moisture
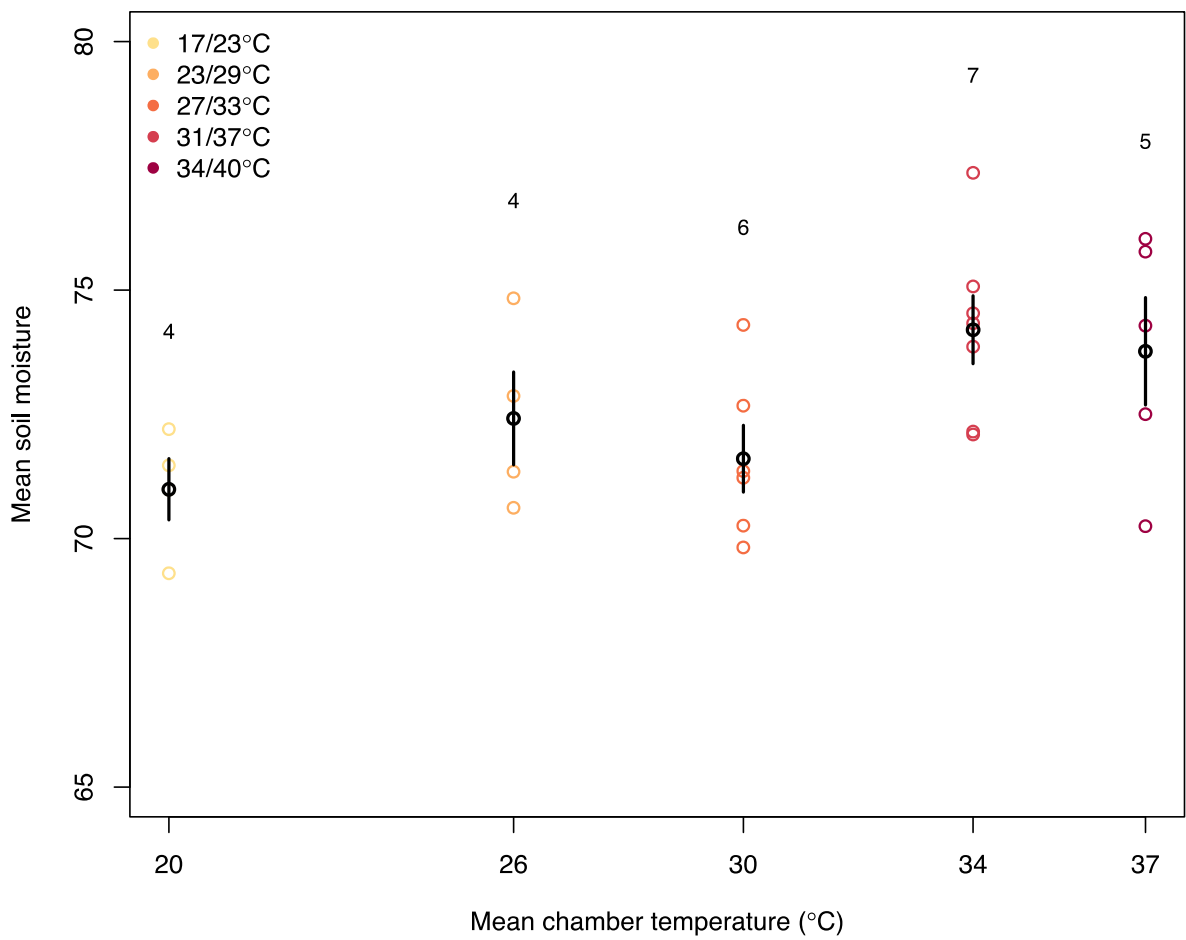
chamber_smfin

Mean soil moisture	continuous	
	F	8.0541
	P	0.009089
	DF	1,24

Days until 10% Flowering
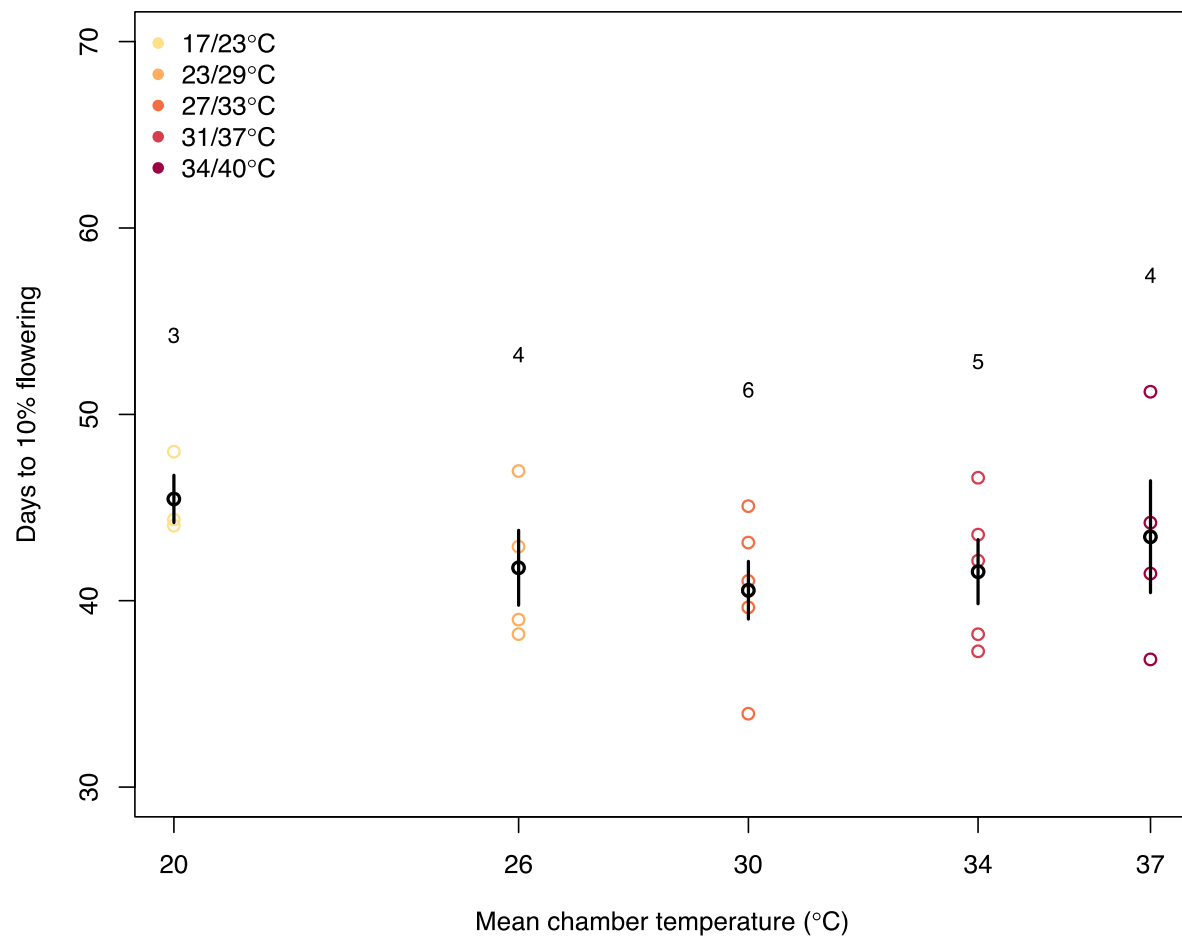
chamber_10percfin

Days to 10% flowering	continuous	
	F	0.4324
	P	0.5183
	DF	1,20

Days Until 50% Flowering
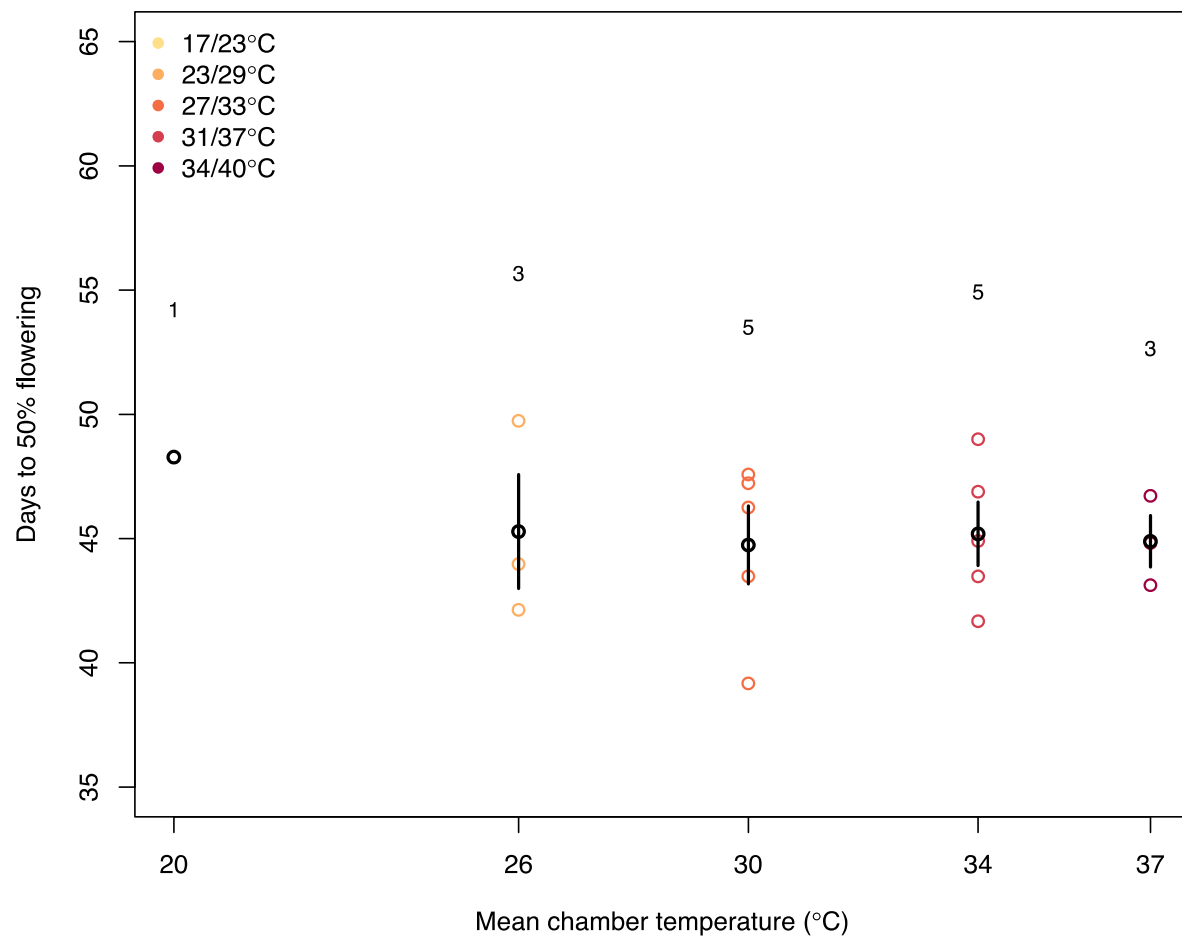
chamber_50percfin

Days to 50% flowering	continuous	
	F	0.4987
	P	0.4909
	DF	1,15

Change in Stem Length
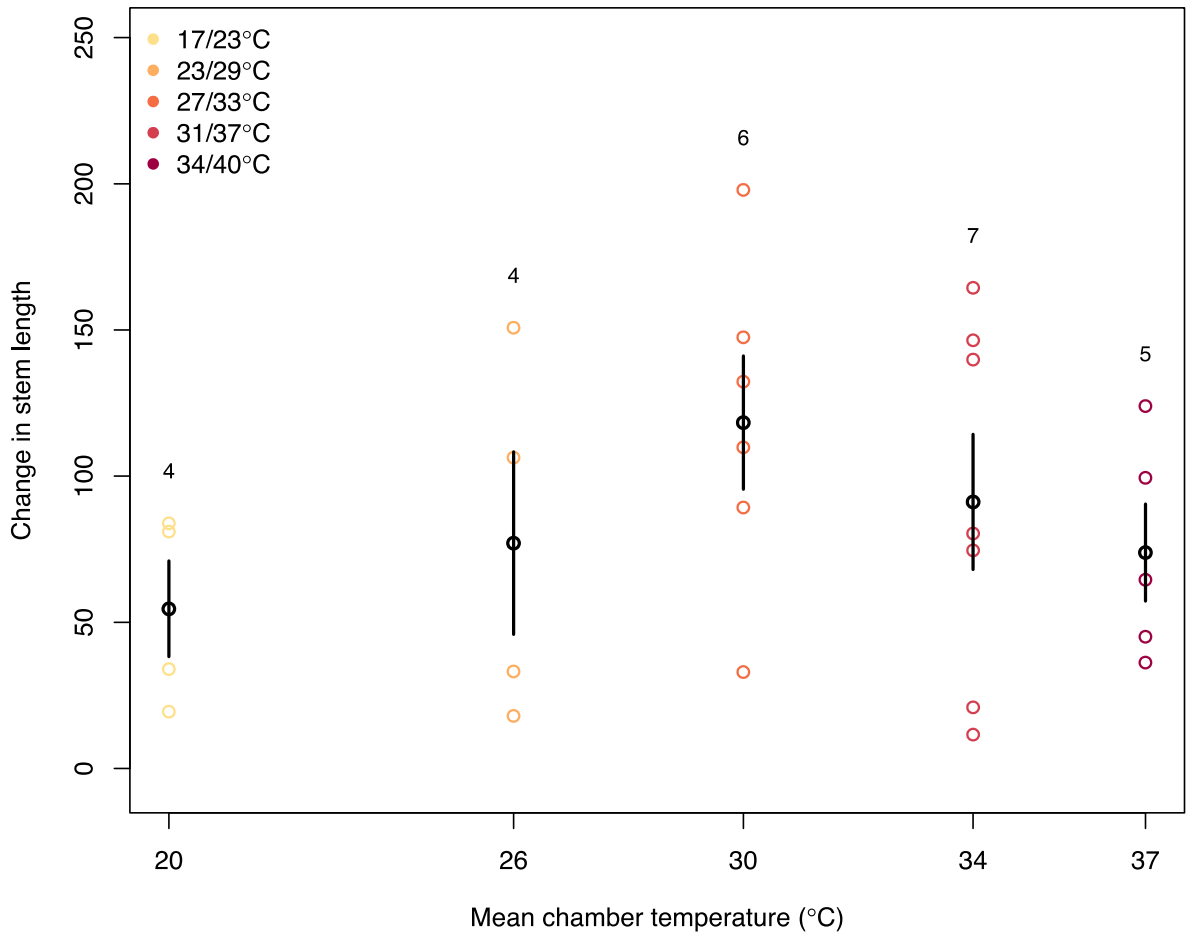
chamber_stemlenfin

Max change in stem length	continuous	
	F	0.5347
	P	0.4717
	DF	1,24

Changing in Leaf Number
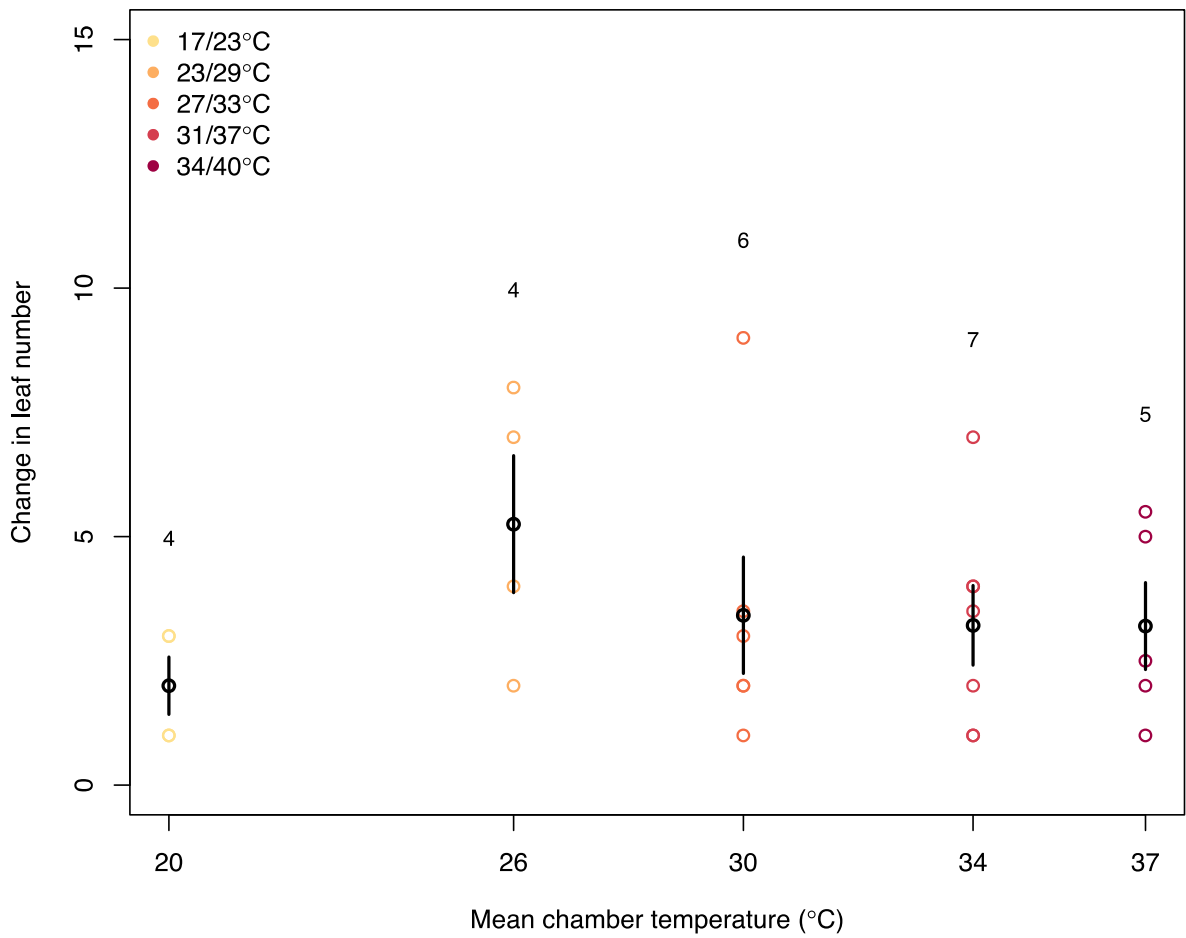
chamber_leafnumfin

Max change in leaf number	continuous	
	F	0.0455
	P	0.8329
	DF	1,24

Number of Flower Buds Aborted
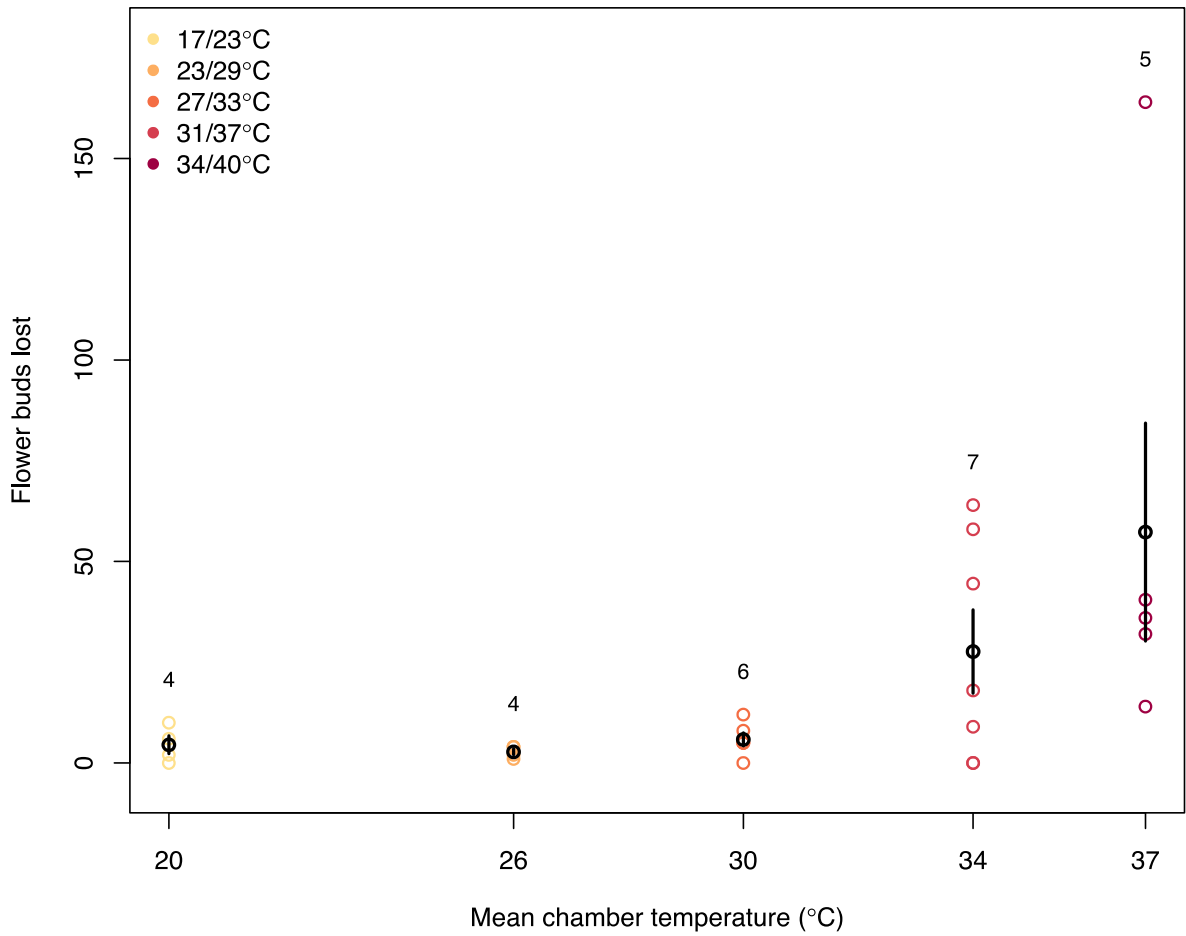
chamber_bagbudsfin

Sum of fallen buds	continuous	
	F	7.4285
	P	0.01179
	DF	1,24