

Table 3. Analyse of variance of data obtained from 12 grapevine genotypes grown at Frelighsburg and two commercial vineyards (L'Orpailleur, Dunham and D  trich-Jooss, Iberville) during 2000 and 2001 seasons.

Sources of variation	Year	Cultivar (C)		Treatment (M)		C x M	
		F	Pr > F	F	Pr > F	F	Pr > F
Frelighsburg							
Yield	2000	45.36	<0.0001	2.22	0.0893	2.78	0.0002
	2001	21.58	<0.0001	57.13	<0.0001	2.95	<0.0001
Berry weight	2000	166.5	<0.0001	2.53	0.0599	1.41	0.1227
	2001	98.94	<0.0001	6.44	<0.0023	1.57	0.0697
Cluster weight	2000	32.49	<0.0001	0.60	0.6155	0.48	0.9765
	2001	34.34	<0.0001	0.62	0.6018	0.63	0.8933
Mortality	2000	29.29	<0.0001	8.86	<0.0001	1.15	0.2940
	2001	21.29	<0.0001	17.91	<0.0001	1.78	0.0182
vigour	2000	34.10	<0.0001	1.94	0.1225	262	0.0001
	2001	28.61	<0.0001	29.23	<0.0001	2.60	0.0001
L'Orpailleur							
Yield	2000	10.06	<0.0001	20.68	<0.0001	3.47	<0.0001
	2001	14.53	<0.0001	43.91	<0.0001	1.93	0.0127
Mortality	2000	15.11	<0.0001	53.51	<0.0001	3.27	<0.0001
	2001	29.22	<0.0001	93.44	<0.0001	7.06	<0.0001
vigour	2000	13.87	<0.0001	5.45	0.0011	2.18	0.0017
	2001	16.82	<0.0001	25.04	<0.0001	2.15	0.0019
Dietrich-Jooss							
Yield	2000	5.75	<0.0001	6.19	0.0006	1.13	0.3210
Mortality	2000	2.86	<0.0001	12.15	<0.0001	1.05	0.3983
Vigour	2000	6.39	<0.0001	2.50	0.0591	1.56	0.0521