

Eigenvalues table

Function	Eigenvalue	% of variance	Cumulative %	Canonical correlation
1	99.215 <sup>a</sup>	73.5	73.5	0.995
2	22.324 <sup>a</sup>	16.5	90	0.978
3	13.491 <sup>a</sup>	10	100	0.965

Wilks' Lamda

Test of functions	Wilks' Lamda	Chi-square	df	Sig.
1 to 3	0.0000	928.3030	48.0000	0.0000
2 to 3	0.0030	518.2520	30.0000	0.0000
3	0.0690	237.9470	14.0000	0.0000

Structure matrix table

	Function		
	1	2	3
<b><math>\alpha</math>-tocopherol<sup>a</sup></b>	<b>0.232<sup>*</sup></b>	-0.005	-0.203
C13:0	<b>0.133<sup>*</sup></b>	-0.084	-0.079
<b>C20:3 n-3 all cis<sup>a</sup></b>	<b>0.079<sup>*</sup></b>	0.032	-0.039
C24:0	-0.031	<b>0.449<sup>*</sup></b>	0.297
C18:3 n-6 all cis	0.085	<b>0.166<sup>*</sup></b>	0.135
<b>C15:1 n-5 cis<sup>a</sup></b>	-0.039	<b>-0.128</b>	-0.03
<b>C22:2 n-6 all cis<sup>a</sup></b>	0.04	<b>-0.101</b>	-0.046
C18:2 n-6 all cis	0.035	<b>0.083<sup>*</sup></b>	-0.068
<b>C20:3 n-6 all cis<sup>a</sup></b>	0.036	<b>0.076<sup>*</sup></b>	0.038
<b>C14:1 n-5 cis<sup>a</sup></b>	-0.125	0.104	<b>-0.446</b>
C18:0	0.088	-0.016	<b>0.368<sup>*</sup></b>
<b>C16:1 n-7 cis<sup>a</sup></b>	-0.082	0.038	<b>-0.361</b>
C17:0	0.323	0.032	<b>0.360<sup>*</sup></b>
C16:0	-0.103	-0.102	<b>0.356<sup>*</sup></b>
<b>C18:3 n-3 all cis<sup>a</sup></b>	0.03	0.183	<b>-0.314</b>
<b>C18:1 n-9 cis+trans<sup>a</sup></b>	-0.019	0.007	<b>-0.29</b>
<b>C22:1 n-9 cis<sup>a</sup></b>	0.075	0.107	<b>-0.26</b>
<b>C20:2 n-6 all cis<sup>a</sup></b>	0.015	0.093	<b>0.174<sup>*</sup></b>
<b>C22:6 n-3 all cis<sup>a</sup></b>	0.099	0.12	<b>-0.162</b>
C12:0	-0.046	-0.017	<b>-0.15</b>
<b>C22:0<sup>a</sup></b>	0.095	0.104	<b>-0.146</b>
<b>C17:1 n-7 cis<sup>a</sup></b>	-0.009	-0.062	<b>-0.141</b>
C20:5 n-3 all cis	0.028	0.087	<b>-0.136</b>
C20:0	0.114	0.069	<b>-0.126</b>
C20:1 n-9 cis	0.055	0.09	<b>-0.119</b>
C10:0	0.011	0.002	<b>-0.117</b>
C14:0	-0.006	0.019	<b>-0.092</b>
C8:0	-0.009	0.012	<b>-0.086</b>
<b>C20:4 n-6 all cis<sup>a</sup></b>	-0.049	-0.01	<b>0.052<sup>*</sup></b>

<b>C23:0<sup>a</sup></b>	-0.041	0.007	<b>-0.045</b>
C11:0	0.029	-0.009	<b>-0.044</b>
<b>C6:0<sup>a</sup></b>	-0.014	0.025	<b>0.042<sup>*</sup></b>
C6:0	-0.004	0.01	<b>-0.018</b>

\*Pooled within-groups correlations between discriminating variables and standardized canonical discriminant functions

a Variables ordered by absolute size of correlation within function.

**Functions at group centroids table**

Region	Function		
	1	2	3
Hoengseong	4.535	-6.34	-3.43
Boryeong	4.202	6.741	-2.999
Gochang	7.973	-0.254	5.493
Jeju	-16.709	-0.147	0.936

Unstandardized canonical discriminant functions evaluated at group means.

**Box's M test results table**

Box's M		2390.388
F	Approx.	4.064
	df1	408
	df2	19463.815
	sig,	<b>0.0000</b>

Tests null hypothesis of equal population covariance matrices.

**Canonical Discriminant Function Coefficients table**

	Canonical discriminant function coefficients		
	1	2	3
C6:0	2.141	-1.329	0.502
C8:0	-4.989	12.761	-1.432
C10:0	3.583	-4.697	0.759
C11:0	-6.135	2.802	3.273
C12:0	-1.837	-1.875	0.751
C13:0	5.064	-0.426	21.433
C14:0	-0.511	1.104	-0.816
C16:0	-0.04	-0.092	0.234
C17:0	6.303	0.162	-1.777
C18:0	-0.183	-0.207	0.236
C18:2 n-6 <i>all cis</i>	-0.419	0.222	-0.229
C18:3 n-6 <i>all cis</i>	-6.725	7.464	7.053
C20:0	5.12	3.864	-1.482
C20:1 n-9 <i>cis</i>	2.333	-0.001	0.05
C20:5 n-3 <i>all cis</i>	8.166	-1.416	4.406
C24:0	-1.843	5.53	3.647

(상수)	14.583	-39.447	-56.085
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Unstandardized coefficients.

### Standardized Canonical Discriminant Function

	Function		
	1	2	3
<b>C6:0</b>	<b>3.093</b>	-1.92	0.726
<b>C8:0</b>	<b>-4.243</b>	<b>10.852</b>	-1.218
<b>C10:0</b>	<b>7.187</b>	<b>-9.421</b>	1.521
C11:0	-0.796	0.364	0.425
<b>C12:0</b>	<b>-4.121</b>	<b>-4.206</b>	1.685
C13:0	0.348	-0.029	1.475
<b>C14:0</b>	<b>-2.068</b>	<b>4.469</b>	-3.306
C16:0	-0.203	-0.465	1.177
C17:0	1.993	0.051	-0.562
C18:0	-1.365	-1.541	1.756
C18:2 n-6 cis	-0.896	0.476	-0.49
C18:3 n-6 all cis	-0.371	0.412	0.389
C20:0	0.928	0.7	-0.269
C20:1	1.007	-0.001	0.022
C20:5 n-3 all cis	0.605	-0.105	0.326
C24:0	-0.397	1.191	0.786