Removing Correlates

Continuous and categorical data can be converted into matrix covariates from which you can condition AMOVA distance on prior to analysis.

Table 1 Stepwise analysis of molecular variance table for *G* external variables, *J* maternal individuals

Source	*df*	*SS*	*E[MS]*
External	G	$\mathrm{tr}[\mathbf{H_E}(\mathbf{YY}')]$	
Among strata	J-G-1	$\mathrm{tr}[\mathbf{H_M}(\mathbf{RR}')]$	$\sigma^2_W+K\sigma^2_A$
Error	N-J	$\mathrm{tr}[(\mathbf{I}-\mathbf{H_M})(\mathbf{RR}')]$	σ^2_W
Total	N-1	$\mathrm{tr}[(\mathbf{YY}')]$	

Structure|Range Expansion