



**B**

models	aic	deltaAIC	batch_p	e_p	sumVIF
~ 1	1023.0	NA	NA	NA	NA
~ Year	985.1	37.9	1.3e-09	NA	NA
~ Year + Tissue	929.7	93.3	5.1e-16	NA	2
~ Year + Tissue + Status	915.8	107.0	1.6e-16	1.5e-04	3
~ Year + Tissue + Status + Tissue:Status	924.1	98.9	6.1e-16	2.7e-12	5
~ Tissue + Status + Tissue:Status	1003.0	20.0	NA	1.2e-05	4
~ Tissue + Status	991.9	31.1	NA	6.3e-04	2

**C**

PC5 ~ Year + Tissue + Status

	Sum Sq	Df	F value	Pr(>F)	eta^2
Year	3300	2	49	1.6e-16	0.43
Tissue	3300	9	11	2.1e-12	0.43
Status	510	1	15	0.00015	0.11
Residuals	4300	130	NA	NA	NA

