

**Supplementary Table SV Fractional polynomial selection for CED score with alpha = 0.05.**

<i>Main effects model with alpha = 0.05</i>							
Term				Estimate	SE	Statistic	P-value
(Intercept)				-0.382	0.335	-1.142	0.253
I(CEDgramNoZero ^0.5)				0.110	0.051	2.139	0.032
I(CEDgramNoZero ^1)				-0.537	0.234	-2.296	0.022
rs11668344				0.701	0.351	1.997	0.046
Use of hormones				14.636	18.822	0.778	0.437
PC2				-19.942	18.648	-1.069	0.285
PC3				0.389	0.426	0.912	0.362
I(CED > 0)TRUE				-27.339	33.893	-0.807	0.420
PC4				-6.197	17.182	-0.361	0.718
PC1				-0.382	0.335	-1.142	0.253
	null.deviance	df.null	logLik	AIC	BIC	deviance	df.residual
	246.671	177	-111.413	240.827	269.463	222.827	169
<i>Interaction effects model with alpha = 0.05</i>							
Term				Estimate	std.error	Statistic	P-value
(Intercept)				-0.386	0.410	-0.943	0.346
PC1				-7.533	17.336	-0.435	0.664
PC2				13.253	18.664	0.710	0.478
PC3				-23.326	18.772	-1.243	0.214
PC4				-23.416	34.592	-0.677	0.498
Use of hormones				0.751	0.359	2.090	0.037
rs11668344				-0.567	0.424	-1.336	0.181
I(CED > 0)TRUE				0.737	0.595	1.238	0.216
I(CEDgramNoZero ^0.5)				0.039	0.058	0.668	0.504
I(CEDgramNoZero ^2)				-0.592	0.637	-0.929	0.353
rs11668344: I(CED > 0)TRUE				0.126	0.075	1.675	0.094
rs11668344: I(CEDgramNoZero ^0.5)				-0.386	0.410	-0.943	0.346
rs11668344: I(CEDgramNoZero ^2)				-7.533	17.336	-0.435	0.664
	null.deviance	df.null	logLik	AIC	BIC	deviance	df.residual
	246.671	177	-108.031	238.062	273.061	216.062	167
<i>Likelihood ratio test for the whole interaction</i>							
	Resid..Df	Resid..Dev	df	Deviance	P-value		
	169	222.827	NA	NA	NA		
	167	219.782	2	3.045	0.218		

AIC, Akaike Information Criterion; BIC, Bayesian Information Criterion; CED, cyclophosphamide equivalent dose; Dev, Deviance; Df, degrees of freedom; logLik, log Likert; NA, not applicable; PC, Principal Component.