Table E2: Analysis of genetic factors by case-control status (PD cases only versus controls) after adjustment*

	Reference group	Studied groups	OR	95% CI	p-value **
CYP2D6	*1*1	*1*4	0.93	(0.77, 1.13)	p=0.34**
		*4*4	0.85	(0.54, 1.32)	
PON1 L55M	M/M	L/M	0.92	(0.76, 1.10)	p=0.25**
		L/L	0.86	(0.64, 1.16)	
PON1 Q192R	Q/Q	Q/R	0.94	(0.78, 1.34)	p=0.98**
		R/R	1.12	(0.79, 1.58)	
GSTM1	Positive	Null	1.16	(0.98, 1.39)	p=0.09
GSTT1	Positive	Null	0.91	(0.72, 1.16)	p=0.45
GSTM3	AA	AB	0.97	(0.80, 1.18)	p=0.20**
		BB	0.53	(0.27, 1.01)	
GSTP1 haplotype	AA	AB/AC/AD	0.92	(0.76, 1.11)	p=0.95**
		BB/BC/CC	1.12	(0.82, 1.52)	
NQO1	*1*1	*1*2	0.96	(0.79, 1.16)	p=0.25**
		*2*2	0.68	(0.40, 1.15)	
CYP1B1	*1*1	*1*3	0.98	(0.80, 1.19)	p=0.98**
		*3*3	1.01	(0.78, 1.31)	
MAO-A (males)	T	G	1.22	(0.93, 1.58)	p=0.15
MAO-A (females)	TT	TG	1.04	(0.79, 1.37)	p=0.66**
		GG	1.11	(0.67, 1.79)	
MAO-B (males)	A	G	1.16	(0.91, 1.48)	p=0.23
MAO-B (females)	AA	AG	1.11	(0.82, 1.50)	p=0.67**
		GG	1.07	(0.74, 1.55)	
SOD2 A16V	AA	AV	0.98	(0.79, 1.22)	p=0.72**
		VV	0.96	(0.75, 1.22)	
EPHX3 Y113H [2]	YY	YH	0.85	(0.66, 1.01)	p=0.20**
		HH	0.84	(0.58, 1.21)	
EPHX4 H139R	HH	HR	0.99	(0.82, 1.20)	p=0.51**
		RR	1.36	(0.86, 2.16)	
DAT1	A/A	A/G	0.94	(0.78, 1.12)	p=0.86**
		G/G	1.07	(0.76, 1.52)	
DRD2A [3]	CC	CT	0.98	(0.77, 1.25)	p=0.11**
		TT	1.53	(1.06, 2.22)	
DRD2B [1]	B2B2	B2B1	0.96	(0.77, 1.20)	p=0.88**
		B1B1	1.32	(0.69, 2.50)	
NAT2	Fast/Fast	Fast/Slow	1.03	(0.86, 1.25)	p=0.87**
		Slow/Slow	0.93	(0.68, 1.27)	

* logistic regression adjusting for age, sex, country, ever used tobacco containing product, ever knocked unconscious and first degree family history of Parkinson's disease. MAO-A and MAO-B are not adjusted for sex but are presented for males and females separately.

** For three category factors p-value for trend derived from logistic regression coding genetic factors as 0, 1 and 2 variable

[1] Malta excluded from analysis involving DRD2B

[2] Sweden and Italy excluded from analysis involving EPHX3

[3] Sweden and Malta excluded from analysis involving DRD2A