

TAG SNPs Identification Papers

PMID: [35970579](#)

From the paper

The subsequent meta-analysis of COURAGE-PD and IPDGC datasets (Ntotal = 25,950) led to the identification of 2 genome-wide significant association signals on Chr 4, including the previously reported *SNCA* locus (rs983361) and a novel *BST1* locus (rs4698412).

riskAllele	pValue	riskFrequency	mappedGenes	trait
rs983361-T	3E-09	0.204	SNCA-AS1	Age onset of Parkinson's disease
rs4698412-A	4E-08	0.562	BST1	Age onset of Parkinson's disease

ref: rs4698412

LD information

hg19 LD R-squared

4	15737101	rs11724635	4
15737348		rs4698412	0.999308
4	15737348	rs4698412	4
15730146		rs34559912	0.966445
4	15737348	rs4698412	4
15730398		rs4389574	0.963118
4	15737348	rs4698412	4
15737101		rs11724635	0.999308
4	15737348	rs4698412	4
15737348		rs4698412	1
4	15737348	rs4698412	4
15737882		rs4698413	0.993086

ref: rs983361

hg19 LD R-squared

4	90753180	rs2737002	4
90761944		rs983361	0.817636
4	90757294	rs1372518	4
90761944		rs983361	0.836286
4	90757505	rs1372520	4
90761944		rs983361	0.8542
4	90761944	rs983361	4
90750326		rs2583978	0.800937

4	90761944	rs983361	4
90750588		rs2583979	0.803922
4	90761944	rs983361	4
90753180		rs2737002	0.817636
4	90761944	rs983361	4
90754313		rs1471484	0.825711
4	90761944	rs983361	4
90754771		rs990085	0.819515
4	90761944	rs983361	4
90757294		rs1372518	0.836286
4	90761944	rs983361	4
90757309		rs1372519	0.838199
4	90761944	rs983361	4
90757505		rs1372520	0.8542
4	90761944	rs983361	4
90761944		rs983361	1
4	90761944	rs983361	4
90771499		rs2583990	0.842982
4	90761944	rs983361	4
90775649		rs1442152	0.851479
4	90761944	rs983361	4
90776257		rs2736989	0.842982

4	90761944	rs983361	4
90779758		rs2583961	0.838894
4	90761944	rs983361	4
90779823		rs2737026	0.838894

PDID: [30957308](#)

From the paper

We found two genome-wide significant association signals, one at SNCA and the other a protein-coding variant in TMEM175, both of which are known PD risk loci and a Bonferroni corrected significant effect at other known PD risk loci, GBA, INPP5F/BAG3, FAM47E/SCARB2, and MCCC1. Notably, SNCA, TMEM175.

riskAllele	pValue	mappedGenes	traitName	efoTr
rs356203-?	2E-12	SNCA	Parkinson's disease (age of onset)	age of onset disease
rs34311866-C	1E-08	TMEM175	Parkinson's disease (age of onset)	age of onset disease

rs356203

4	90637601	rs356219	4
90666041		rs356203	0.962572
4	90641340	rs356220	4
90666041		rs356203	0.985644
4	90666041	rs356203	4
90635606		rs356209	0.845618
4	90666041	rs356203	4
90636561		rs356215	0.844504
4	90666041	rs356203	4
90637601		rs356219	0.962572
4	90666041	rs356203	4
90641340		rs356220	0.985644
4	90666041	rs356203	4
90646886		rs356165	0.994704
4	90666041	rs356203	4
90666041		rs356203	1

rs34311866

4	951947	rs34311866	4
951947		rs34311866	1

rs6532192

4	90743331	rs10005233	4
90764131		rs6532192	0.803553
4	90750025	rs6828271	4
90764131		rs6532192	0.807909
4	90757272	rs3756059	4
90764131		rs6532192	0.845287
4	90757394	rs3756063	4
90764131		rs6532192	0.852115
4	90759556	rs3806789	4
90764131		rs6532192	0.988154
4	90763360	rs7680557	4
90764131		rs6532192	0.992393

PMID: [27402877](#)

From the paper

CHR	Gene	SNP	MAF	Discov (NGRC

GWAS Test Cox regression		Effect on AAO Linear regression		

CHR	Gene	SNP	MAF	Discov (NGRC ---
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HR	P	Beta	95% CI	P
5	<i>LHFPL2</i>	rs10035651	0.016	4.76
5	<i>LHFPL2</i>	rs344650	0.016	4.77
5	<i>LHFPL2</i>	rs344657	0.016	4.77
8	<i>TRPS1</i>	rs74335301	0.014	4.46
14	<i>KLHDC1</i>	rs79503702	0.012	6.95
14	<i>KLHDC1_ARF6</i>	rs192855008	0.012	7.12
15	<i>TPM1</i>	rs117267308	0.012	6.47

CHR	Gene	SNP	MAF	Discov (NGRC ---
15	<i>TPM1</i>	rs141049631	0.012	6.47
15	<i>TPM1</i>	rs116860970	0.013	6.52
15	<i>TPM1</i>	rs77362326	0.012	6.47
15	<i>TPM1</i>	rs201411148	0.012	6.47
15	<i>TPM1</i>	rs142383316	0.012	6.47
15	<i>TPM1</i>	rs117484764	0.012	6.46

rs10035651

5 77860608 rs344650 5
77837737 **rs10035651** 0.926268

rs344650

5 77860608 **rs344650** 5
77837737 rs10035651 0.926268

5 77860608 **rs344650** 5
77860608 **rs344650** 1

5 77860608
77871164

rs344650 5
rs394521 0.901537

rs344657

None

rs74335301

8 116638637
116638637

rs74335301 8
rs74335301 1

rs79503702

14 50206170
50206170

rs79503702 14
rs79503702 1

rs192855008

None

rs141049631

None

rs116860970

15 63346376
63351500

rs117267308 15
rs116860970 0.929039

rs77362326

15 63346376 rs117267308 15
63353865 rs77362326 0.913295

rs201411148

15 63346376 rs117267308 15
63356439 rs201411148 0.964033

rs142383316

15 63346376 rs117267308 15
63364309 rs142383316 0.929039

rs117484764

15 63346376 rs117267308 15
63365502 rs117484764 0.929039

PMID: [33884653](#)

From the paper

One novel significant intergenic locus rs9783733 (NDN; PWRN4) was identified ($P = 3.14E-09$, $\beta = 2.30$, $SE = 0.39$).

riskAllele	pValue	riskFrequency	beta	ci	n
rs9783733-?	3E-09	NR	2.3 unit increase	[1.54-3.06]	P

rs9783733

15 24168950 rs9783733 15
24168950 rs9783733 1

15 24168950 rs9783733 15
24177901 rs28671452 0.947717

PMID: [19772629](#)

From the paper

riskAllele	pValue	mappedGenes	traitName	efoTra
rs7577851-T	9E-06	AAK1	Parkinson's disease (age of onset)	age at onset, diseas

rs7577851

2 69723710 rs7577851 2
69723494 rs71840259 0.996326

2 69723710 rs7577851 2
69723710 rs7577851 1

2 69723710 rs7577851 2
69724366 rs202069720 0.997797

2 69723710 rs7577851 2
69724371 rs201872917 0.997797

2 69723710

rs7577851 2

69724649

rs111258456 0.997798