

**Table 5. Ranking of the top 50 network nodes after seeding with four AD susceptibility genes**

Rank*	Sec. ev.	<i>P</i> value <sub>r</sub>	SP ID	Symbol	<i>P</i> value <sub>ts</sub>	Rank	Sec. ev.	<i>P</i> value <sub>r</sub>	SP ID	Symbol	<i>P</i> value <sub>ts</sub>
<b>1</b>	<b>2.33</b>	<b>0.0000</b>	<b><i>P49768</i></b>	<b><i>PSEN1</i></b>	<b>0.0000</b>	26	1.50	0.0013	Q92793	CREBBP	0.0117
<b>2</b>	<b>2.33</b>	<b>0.0000</b>	<b><i>P05067</i></b>	<b><i>APP</i></b>	<b>0.0000</b>	27	1.50	0.0013	P12931	SRC	0.0323
<b>3</b>	<b>2.08</b>	<b>0.0000</b>	<b><i>P49810</i></b>	<b><i>PSEN2</i></b>	<b>0.0000</b>	28	1.50	0.0015	P35222	CTNNB1	0.0003
<b>4</b>	<b>2.08</b>	<b>0.0000</b>	<b><i>P02649</i></b>	<b><i>APOE</i></b>	<b>0.0000</b>	29	1.50	0.0015	Q13285	NR5A1	0.0006
5	1.67	0.0006	<i>P09601</i>	<i>HMOX1</i>	0.0000	30	1.50	0.0015	P27635	RPL10	0.0006
6	1.67	0.0006	P24410	RAB11A	0.0000	31	1.50	0.0015	P19883	FST	0.0011
7	1.67	0.0006	Q02410	APBA1	0.0003	32	1.50	<i>0.0015</i>	<i>P06858</i>	<i>LPL</i>	<i>0.0011</i>
8	1.67	0.0006	<i>P56817</i>	<i>BACE</i>	0.0003	33	1.50	0.0015	P21675	TAF1	0.0011
9	1.67	0.0006	P46531	NOTCH1	0.0003	34	1.50	0.0015	P18850	ATF6	0.0014
10	1.67	0.0006	P01266	TG	0.0006	35	1.50	0.0015	P08651	NFIC	0.0017
11	1.67	0.0006	Q14192	FHL2	0.0011	36	1.50	0.0015	P08571	CD14	0.0020
12	1.67	0.0006	Q16208	LHR	0.0017	37	1.50	0.0015	P49366	DHPS	0.0029
13	1.67	0.0006	P16220	CREB1	0.0017	38	1.50	0.0015	P55290	CDH13	0.0029
14	1.67	0.0006	Q09472	EP300	0.0020	39	1.50	0.0015	P24855	DNASE1	0.0034
15	1.67	0.0006	P20132	SDS	0.0069	40	1.50	<i>0.0015</i>	<i>Q9UMH</i>	<i>TAU</i>	<i>0.0040</i>
16	1.67	0.0006	<i>P03372</i>	<i>ESR1</i>	<i>0.0137</i>	41	1.50	0.0015	Q13510	ASAH1	0.0046
17	1.58	0.0010	P30626	SRI	0.0003	42	1.50	0.0015	P09038	FGF2	0.0049
18	1.58	0.0010	Q13201	ECM	0.0023	43	1.50	0.0015	P12830	CDH1	0.0057
19	1.50	0.0013	Q12866	MERTK	0.0006	44	1.50	0.0015	P14210	HGF	0.0074
20	1.50	0.0013	P55036	PSMD4	0.0009	45	1.50	0.0015	P35610	SOAT1	0.0083
21	1.50	0.0013	O95822	MLYCD	0.0014	46	1.50	0.0015	P17080	RAN	0.0086
22	1.50	0.0013	P38398	BRCA1	0.0026	47	1.50	0.0015	P00750	PLAT	0.0097
23	1.50	0.0013	P05412	JUN	0.0029	48	1.50	0.0015	P11498	PC	0.0134
24	1.50	0.0013	P25054	APC	0.0031	49	1.50	0.0015	P20226	TBP	0.0174
25	1.50	0.0013	Q06124	PTPN11	0.0080	50	1.50	0.0015	P43320	CRYBB2	0.0214

Bold, nodes with primary evidence; italics, AD expert genes; *P* value<sub>r</sub>, raw *P* value; *P* value<sub>ts</sub>, topology-subtracted *P* value; SP ID, SwissProt identifier; Sec. ev., secondary evidence value.

\*Sorted by raw *P* values.