

## SUPPLEMENTAL TABLES

Table S1: Frequency (valid %) distribution for each item

	“never”, “do not know”	“rarely: less than once per week”	“sometimes: 1-2 times per week”	“frequently: 3-4 times per week”	“always: 5-7 times per week”
	N (%)				
snorting or gasping during sleep	1242 (82.3%)	165 (10.9%)	59 (3.9%)	32 (2.1%)	12 (0.8%)
loud snoring	1247 (82.7%)	129 (8.6%)	62 (4.1%)	44 (2.9%)	25 (1.7%)
breathing stops/ choke or struggle for breath during sleep	1389 (92%)	80 (5.3%)	23 (1.5%)	11 (0.7%)	7 (0.5%)

Please note the numbers do not all add up to 1521 because of missing data

Table S2: Composite Apnea symptoms scores

Score	Frequency N (%)
0	1120 (74.5)
1	185 (9.0)
2	86 (5.7)
3	60 (4.0)
4	38 (2.5)
5	17 (1.1)
6	19 (1.3)
7	8 (0.5)
8	6 (0.4)
9	6 (0.4)
10	4 (0.3)
11	1 (0.1)
12	3 (0.2)

Note. Distribution of people with apnea symptoms in the past month from the 3 single questions (each question ranges from 0="never/ do not know"; 4="always")

Table S3: Univariate results from the multivariate analysis

Model	Variable	Model for comparison	A	D	E	Twin effect	df	-2LL	AIC	DiffLL	Diffdf	p
<b>95% CI</b>												
ADE+TW							5963	13720.19	1794.19			
	Apnea symptoms		0.06	0.41	0.53	0						
	Depression		0.12	0.29	0.57	0.02						
	Anxiety		0.27	0.15	0.53	0.05						
	Externalizing		0	0.39	0.54	0.07						
ADE		ADE+TW					5973	13722.04	1776.04	1.85	10	0.99
	Apnea		0.10	0.37	0.53	/						
	Depression		0.15	0.29	0.57	/						
	Anxiety		0.34	0.13	0.53	/						
	Externalizing		0.07	0.40	0.53	/						
AE		ADE				/	<b>5983</b>	<b>13732.87</b>	<b>1766.87</b>	<b>10.83</b>	<b>10</b>	<b>0.37</b>
	<b>Apnea</b>		<b>0.39 (0.18,0.57)</b>	/	<b>0.61 (0.43,0.82)</b>	/						
	<b>Depression</b>		<b>0.39 (0.29,0.49)</b>	/	<b>0.61 (0.51,0.71)</b>	/						
	<b>Anxiety</b>		<b>0.46 (0.36,0.54)</b>	/	<b>0.54 (0.46,0.64)</b>	/						
	<b>Externalizing</b>		<b>0.40 (0.29,0.50)</b>	/	<b>0.60 (0.50,0.71)</b>	/						
E						/	5993	13880.17	1894.17	147.31	10	<0.001
	Apnea	AE	/	/	1	/						
	Depression		/	/	1	/						
	Anxiety		/	/	1	/						

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Externalizing

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Note. A, additive genetic influence; D, dominant genetic influence E, non-shared environmental influence; -2LL, negative 2 log-likelihood; AIC, Akaike's information criterion; CI, confidence interval; df, degrees of freedom; P-value, significance value of the likelihood-ratio chi-square test; TW, twin effect component on the variance. Bold text indicates best fitting mode

