Genetic heterogeneity in self-reported depressive symptoms identified through genetic analyses of the PHQ-9

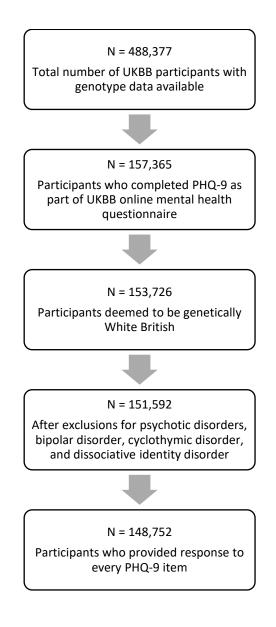
Jackson G. Thorp, Andries T. Marees, Jue-Sheng Ong, Jiyuan An, Stuart MacGregor, Eske M. Derks

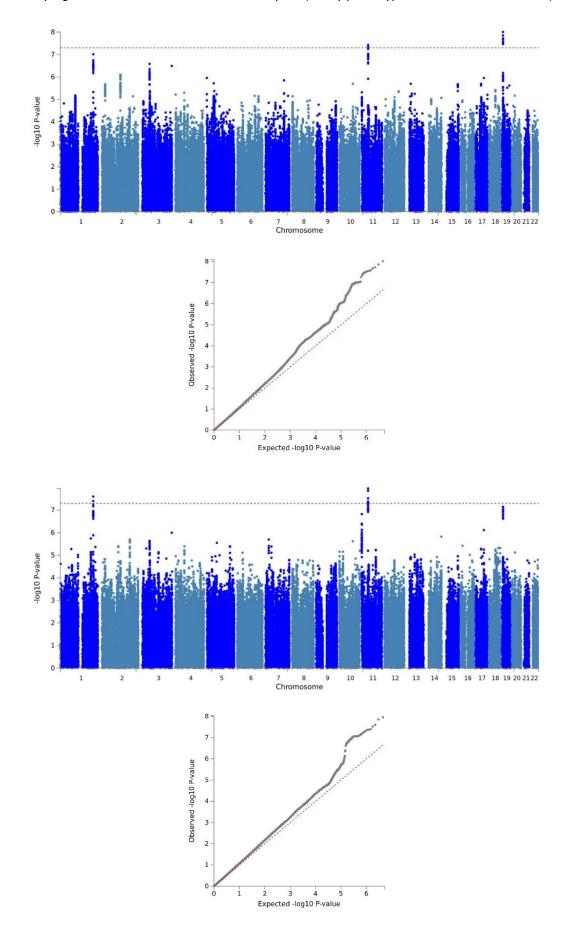
Supplementary Figures 1 – 13

- Figure 1. Flow diagram of exclusions / inclusions leading to final sample size
- Figure 2. Anhedonia Manhattan and QQ plots
- Figure 3. Depressed mood Manhattan and QQ plots
- Figure 4. Sleep problems Manhattan and QQ plots
- Figure 5. Fatigue Manhattan and QQ plots
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- Figure 7. Low self-esteem Manhattan and QQ plots
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- Figure 9. Psychomotor changes Manhattan and QQ plots
- Figure 10. Suicidal ideation Manhattan and QQ plots
- Figure 11. Sum-score Manhattan and QQ plots
- Figure 12. Comparison of inter-item genetic correlations between binary items and ordinal items

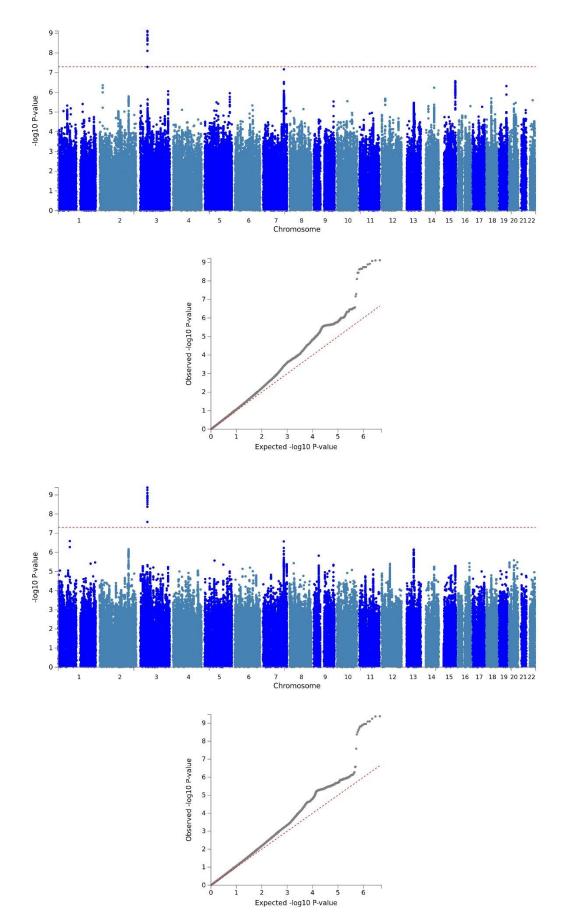
Figure 13. Scatterplots of genetic correlations vs. phenotypic correlations for both ordinal and binary items

Supplementary Figure 1. Flow diagram of exclusions / inclusions leading to final sample size.

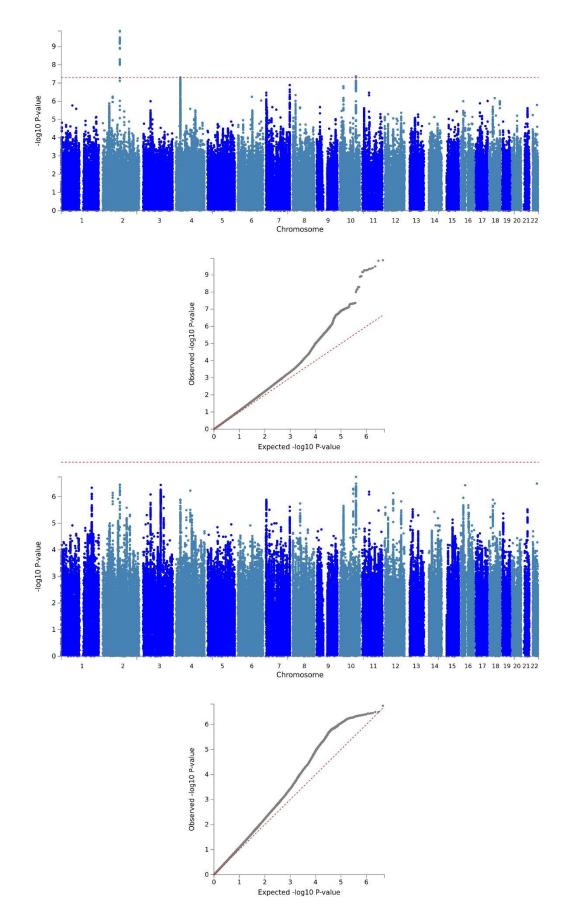




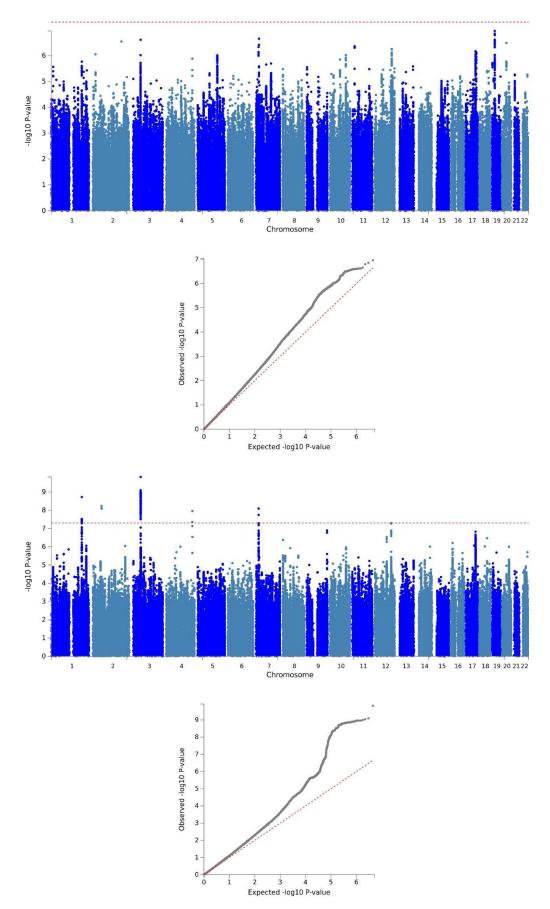
Supplementary Figure 2. Anhedonia Manhattan and QQ plots (binary phenotype above and ordindal below)



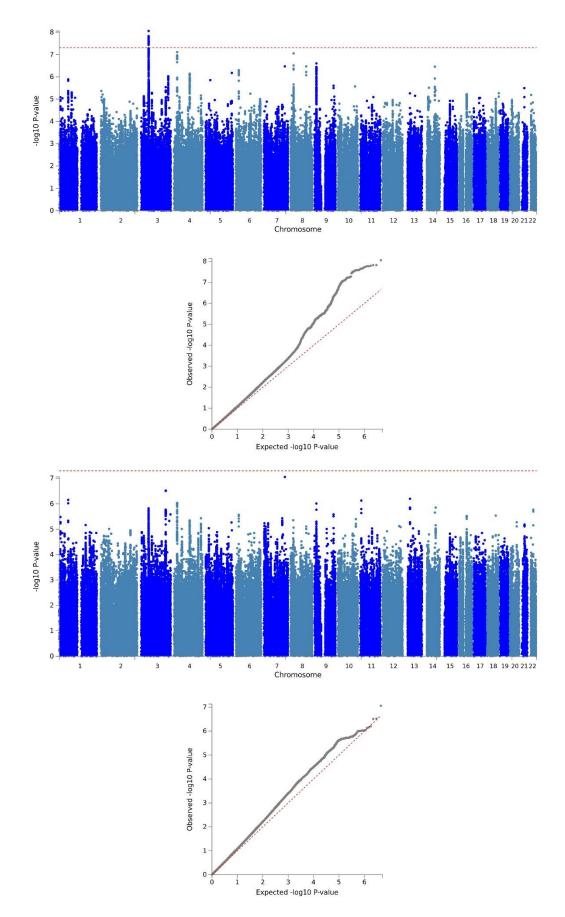
Supplementary Figure 3. Depressed mood Manhattan and QQ plots (binary phenotype above and ordindal below)



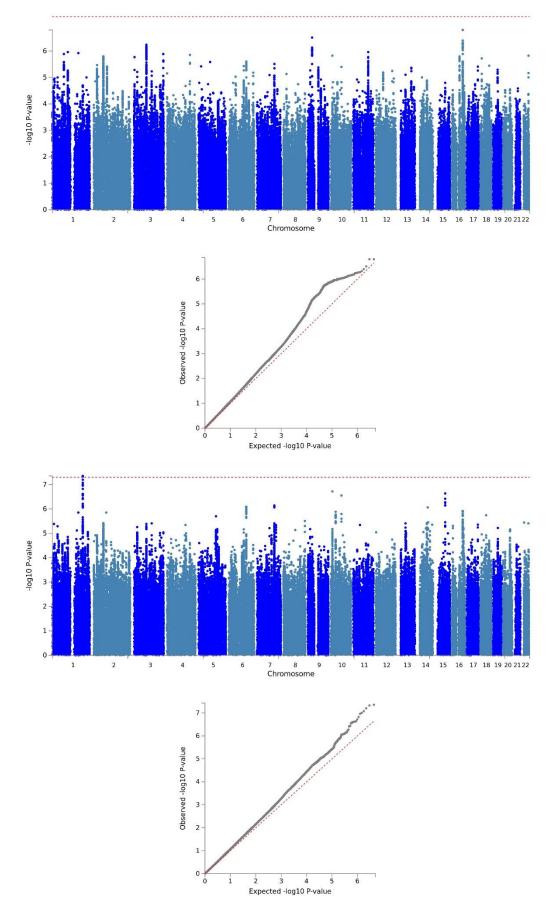
Supplementary Figure 4. Sleep problems Manhattan and QQ plots (binary phenotype above and ordindal below)



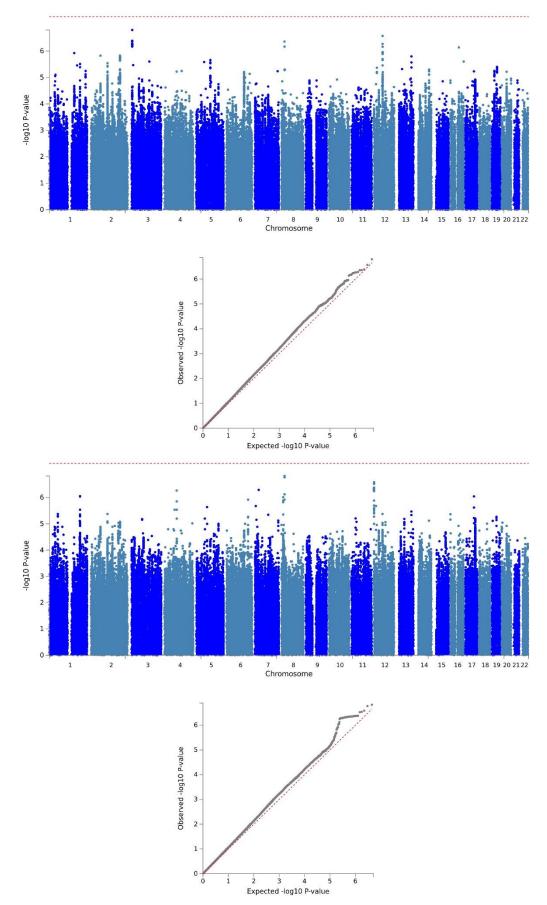
Supplementary Figure 5. Fatigue Manhattan and QQ plots (binary phenotype above and ordindal below)



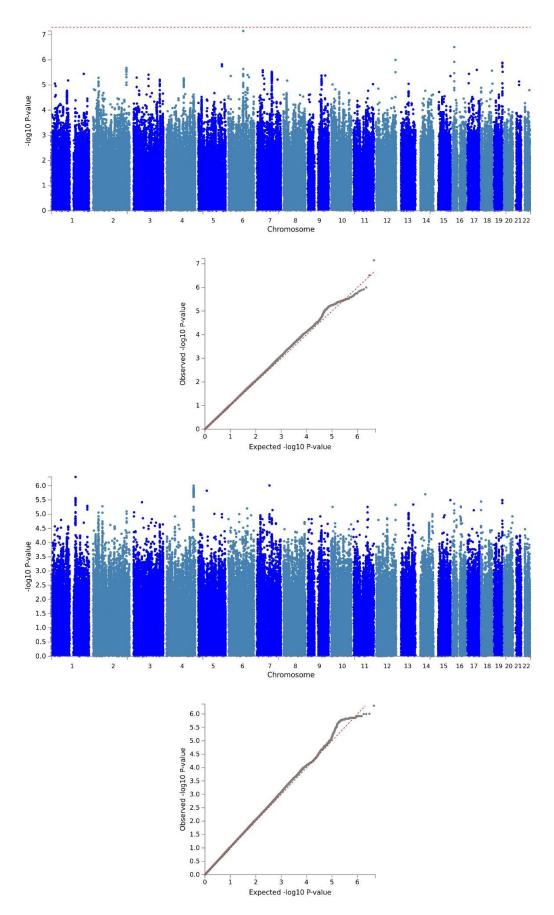
Supplementary Figure 6. Appetite changes Manhattan and QQ plots (binary phenotype above and ordindal below)



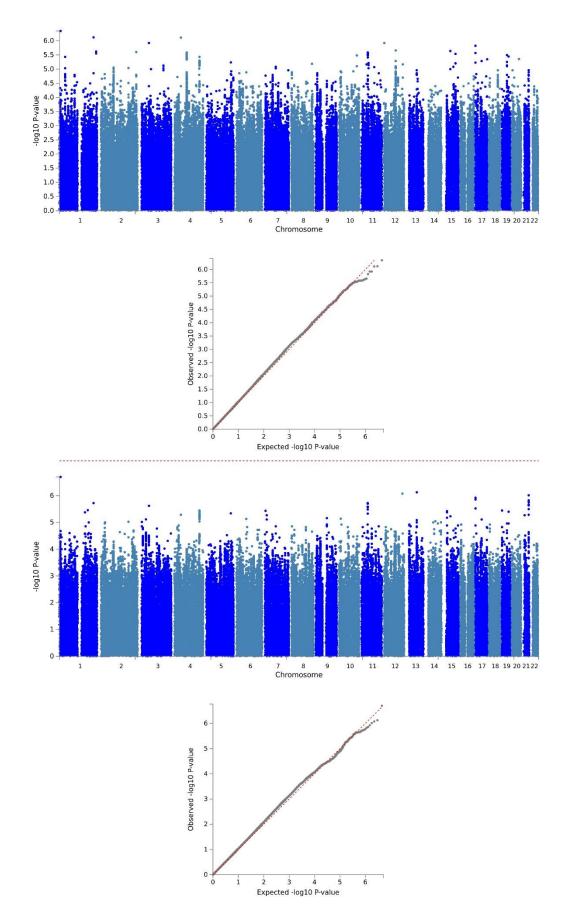
Supplementary Figure 7. Low self-esteem Manhattan and QQ plots (binary phenotype above and ordindal below)



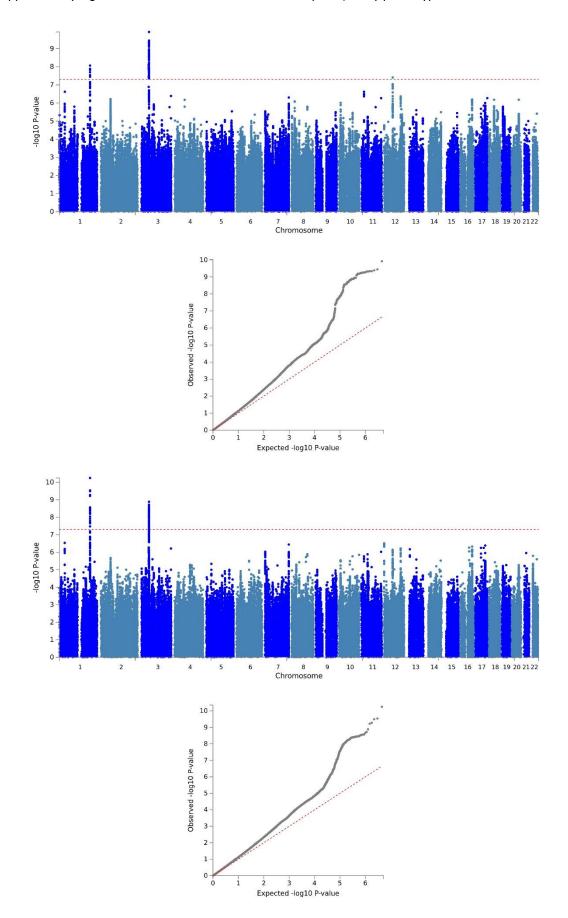
Supplementary Figure 8. Concentration problems Manhattan and QQ plots (binary phenotype above and ordindal below)



Supplementary Figure 9. Psychomotor changes Manhattan and QQ plots (binary phenotype above and ordindal below)



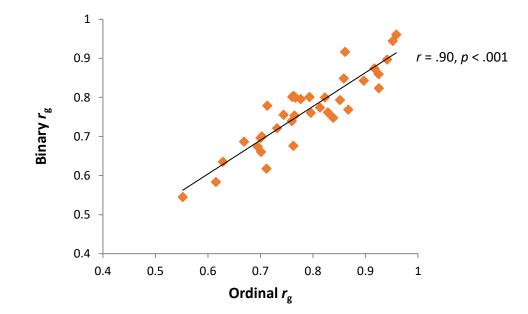
Supplementary Figure 10. Suicidal ideation Manhattan and QQ plots (binary phenotype above and ordindal below)



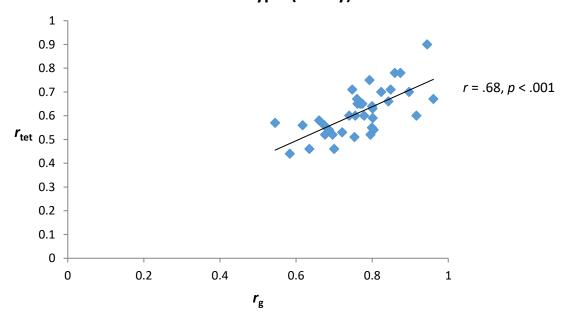
Supplementary Figure 11. Sum-score Manhsattan and QQ plots (binary phenotype above and ordindal below)

Supplementary Figure 12. Comparison of inter-item genetic correlations (rg) between binary items (above diagonal in correlation heatmap) and ordinal items (below diagonal).

	Arthe	donia Depr	seed noc	problems Faile	Je ARP	ite charos	set con	entration C	nonotor of suice	ande	eation
Anhedonia		0.94	0.7	0.82	0.8	0.75	0.9	0.92	0.85		1
Depressed mood	0.95		0.69	0.84	0.76	0.86	0.8	0.8	0.87		- 0.9
Sleep problems	0.7	0.67		0.83	0.76	0.63	0.73	0.7	0.58		
Fatigue	0.93	0.9	0.76		0.87	0.62	0.82	0.8	0.75		- 0.8
Appetite change	0.79	0.74	0.68	0.77		0.66	0.76	0.8	0.8		- 0.7
Low self-esteem	0.84	0.93	0.64	0.71	0.7		0.81	0.67	0.79		
Concentration problems	0.94	0.76	0.72	0.8	0.74	0.77		0.96	0.78		- 0.6
Psychomotor changes	0.86	0.76	0.7	0.77	0.76	0.69	0.96		0.54		- 0.5
Suicidal ideation	0.86	0.92	0.62	0.76	0.78	0.85	0.71	0.55			0.4



Supplementary Figure 13. Scatterplots of genetic correlations vs. phenotypic correlations for both ordinal and binary items.



Genetic vs. Phenotypic (binary)



