Enrichment/depletion GWAS, TWAS and DE genes in GNVAE modules (FDR values, MHC region excluded) Module 0 (4932 genes) - 0.021 3.9e-05 5.1e-122

Module 0 (4932 genes) -	0.021	3.9e-05	5.1e-122	
Module 1 (3681 genes) -	0.93	3.6e-05	1.2e-44	
Module 2 (3047 genes) -	0.7	7e-06	0.0052	
Module 3 (2688 genes) -	0.67	0.04	0.5	1
Module 4 (1533 genes) -	0.67	0.17	0.39	- 1
Module 5 (1488 genes) -	0.67	0.3	4.9e-08	ratio)
Module 6 (1353 genes) -	0.0044	0.057	0.48	at
Module 7 (1157 genes) -	0.6	0.018	1.5e-26	
Module 8 (1103 genes) -	0.004	0.057	8.5e-24	0 -0 (enrichment
Module 9 (1047 genes) -	1	0.66	1.1e-25	Ĕ
Module 10 (871 genes) -	0.91	0.65	4.4e-20	ch
Module 11 (795 genes) -	0.91	0.18	1.2e-08	بَ
Module 12 (697 genes) -	0.93	0.89	2.9e-43	1 .5
Module 13 (554 genes) -	0.91	0.11	2.9e-11	12,
Module 14 (454 genes) -	0.67	0.89	6.8e-10	log2
Module 15 (354 genes) -	0.91	0.28	1.4e-07	_
Module 16 (266 genes) -	0.1	1	0.0086	
Module 17 (186 genes) -	0.91	0.89	0.00013	2
Module 18 (157 genes) -	0.7	0.89	0.0009	
Module 19 (150 genes) -	1	1	2e-05	
	GWAS	TWAS	DE	