

Table 3 Results of GSVA.

ID	logFC	AveExpr	t	P.Value	B
REACTOME_METAL_SEQUESTRATION_BY_ANTIMICROBIAL_PROTEINS	0.65	0.01	14.30	1.45E-36	72.24
KEGG_MEDICUS_PATHOGEN_SARS_COV_2_S_TO_CLASSICAL_PATHWAY_OF_COMPLEME NT_CASCADE	0.61	-0.02	9.95	1.36E-20	36.07
KEGG_MEDICUS_REFERENCE_CLASSICAL_PATHWAY_OF_COMPLEMENT_CASCADE_C4_ C2_TO_C3_CONVERTASE_FORMATION	0.51	-0.03	8.81	7.03E-17	27.68
WP_MACROPHAGE_MARKERS	0.50	-0.04	11.01	2.74E-24	44.43
WP_MAMMARY_GLAND_DEVELOPMENT_PATHWAY_INVOLUTION_STAGE_4_OF_4	0.48	-0.01	12.53	8.66E-30	56.89
KEGG_MEDICUS_VARIANT_MUTATION_INACTIVATED_TP53_TO_TRANSCRIPTION	0.47	-0.02	11.08	1.60E-24	44.96
WP_LNCRNA_MEDIATED_MECHANISMS_OF_THERAPEUTIC_RESISTANCE	0.47	-0.02	10.18	2.23E-21	37.85
BIOCARTA_NEUTROPHIL_PATHWAY	0.46	-0.03	9.69	1.00E-19	34.11
KEGG_MEDICUS_PATHOGEN_EBV_EBNA1_TO_P53_MEDIATED_TRANSCRIPTION	0.46	-0.02	11.42	9.45E-26	47.74
KEGG_MEDICUS_PATHOGEN_EBV_EBNA3C_TO_P53_MEDIATED_TRANSCRIPTION	0.45	-0.02	11.43	8.95E-26	47.80
REACTOME_SYNTHESIS_OF_PIPS_AT_THE_ER_MEMBRANE	-0.29	0.04	-4.98	1.04E-06	4.91
KEGG_MEDICUS_REFERENCE_AUTOPHAGY_VESICLE_NUCLEATION_ELONGATION_MAT URATION_E3_UBIQUITIN_LIGASE_MALIN	-0.29	0.03	-5.89	9.43E-09	9.43

KEGG_MEDICUS_VARIANT_MUTATION_INACTIVATED_ATXN3_TO_AUTOPHAGY_VESICLE_NUCLEATION	-0.30	0.00	-6.21	1.57E-09	11.17
REACTOME_MITOCHONDRIAL_RNA_DEGRADATION	-0.30	0.02	-6.70	8.73E-11	13.98
KEGG_MEDICUS_REFERENCE_N_GLYCAN_PRECURSOR_BIOSYNTHESIS_ALG7_TO_ALG11	-0.33	0.03	-4.48	1.01E-05	2.74
WP_DDX1_AS_A_REGULATORY_COMPONENT_OF_THE_DROSHA_MICROPROCESSOR	-0.33	0.02	-6.51	2.73E-10	12.87
REACTOME_ASPARTATE_AND_ASPARAGINE_METABOLISM	-0.36	0.04	-7.58	3.38E-13	19.39
KEGG_MEDICUS_REFERENCE_MANNANOSE_TYPE_O_GLYCAN_BIOSYNTHESIS_FKTN_TO_LARGE	-0.36	0.01	-5.24	2.88E-07	6.14
REACTOME_DISEASES_OF_MISMATCH_REPAIR_MMR	-0.36	0.00	-6.35	7.05E-10	11.95
REACTOME_PROPIONYL_COA_CATABOLISM	-0.41	0.03	-5.72	2.31E-08	8.57

GSVA, Gene Set Variation Analysis.