

TABLES1 The average expression levels of DEGs (18 genes) in patients with COVID-19

Gene	HD	Moderate	Severe	Conv
RGCC	1.8057778	0.3583978	0.368074	0.4496276
LMNA	1.4306957	0.2045604	0.3706122	0.2507561
ZFP36	3.1116211	2.105539	2.5873654	2.8280009
IFITM1	2.5996153	3.6680177	3.6502303	2.7939906
IFI44L	0.1219209	1.9507918	1.7254891	0.5390879
IFI6	0.4808825	2.0833148	2.0247155	0.7983474
ISG15	0.5635043	1.9598343	1.8889938	0.8331265
XAF1	0.3536548	1.5144287	1.5013227	0.6306834
LY6E	1.3300551	2.2038626	2.1525841	1.4674954
MX1	0.2395943	1.216716	1.2287709	0.4884723
IRF7	0.2379167	1.0572997	1.2055328	0.4538004
OAS1	0.0555059	0.7738829	0.8936585	0.2354653
EIF2AK2	0.4184069	1.3384711	1.1712159	0.5026022
TRIM22	0.6230162	1.3511981	1.2381396	0.8600541
TXNIP	2.1251668	2.7736953	3.1983573	2.5645407
MT-ND6	2.0315623	1.2586603	0.9822262	1.5298497
JUN	3.1908369	3.523035	2.9550407	3.9216512
FOS	3.6319925	2.9654253	2.7075689	3.8156373

For each DEG, they were calculated by averaging the expression levels of cells in HD, Moderate, Severe and Conv condition, respectively. The “AverageExpression” function from Seurat (v.3.2.2) package was used for the calculation of these average expression levels.