

Supplementary Table S6. GSVA results of different risk subgroups based on frlncRNA signature.

id	logFC	AveExpr	t	P. Value	adj. P. Value	B
MODULE_540	0.0751 27249	0.0101 93773	3.6959 94365	0.000 2496	0.005 740794	0.0097 58712
GO_4_IRON_4_SULFUR_CLUSTER_BINDING	-0.058 588567	-0.041 018879	-3.543 247002	0.000 441967	0.009 723275	-0.516 820374
GO_IRON_SULFUR_CLUSTER_ASSEMBLY	-0.076 270067	-0.044 337002	-3.541 911235	0.000 444142	0.009 723275	-0.521 333478
GO_SEQUESTERING_OF_IRON_ION	0.0934 02211	0.0380 53515	3.2914 65394	0.001 085321	0.021 706428	-1.339 177041
GO_HEME_TRANSPORT	-0.065 357992	-0.022 27842	-3.278 284755	0.001 135885	0.021 706428	-1.380 650903
GO_CELLULAR_IRON_ION_HOMEOSTASIS	0.0368 07403	-0.011 087988	3.2213 10645	0.001 380614	0.024 851043	-1.558 110535
GO_MULTICELLULAR_ORGANISMAL_IRON_ION_HOMEOSTASIS	0.0660 63519	0.0119 21837	3.0813 60939	0.002 203319	0.037 456416	-1.981 469623
GO_IRON_IMPORT_INTO_CELL	0.0642 46779	-0.002 682862	2.9396 50568	0.003 47676	0.055 628154	-2.391 883631
GO_IRON_ION_HOMEOSTASIS	0.0312 61069	-0.011 953805	2.8858 89515	0.004 114907	0.061 7236	-2.542 748144
GO_RESPONSE_TO_IRON_ION	0.0365 78172	-0.004 878373	2.8200 98674	0.005 0402	0.070 562806	-2.723 737518
GO_IRON_ION_BINDING	0.0192 91184	0.0052 0826	2.2611 97476	0.024 284398	0.315 697178	-4.098 465697
GO_HEME_METABOLIC_PROCESS	-0.026 58728	-0.019 157496	-2.103 657558	0.036 03324	0.432 398874	-4.432 808852
HEME_BIOSYNTHETIC_PROCESS	-0.036 701962	-0.022 044884	-1.969 762915	0.049 556272	0.545 118994	-4.698 409857
GO_IRON_ION_TRANSMEMBRANE	0.0422	-0.033	1.9657	0.050	0.545	-4.706

_TRANSPORTER_ACTIVITY	55932	31226	67828	01794	11899	071897
				5	4	
GO_IRON_COORDINATION_ENTI	-0.032	-0.011	-1.816	0.070	0.630	-4.981
TY_TRANSPORT	279771	775791	511016	04163	37473	381269
				8	8	
HALLMARK_HEME_METABOLISM	0.0110	-0.017	1.2413	0.215		-5.841
	17288	889426	98003	18747	1	559741
				2		
GO_IRON_ION_TRANSPORT	0.0134	-0.010	1.2015	0.230		-5.889
	26759	024673	20012	26166	1	320919
				9		
GO_2_IRON_2_SULFUR_CLUSTER_BINDING	-0.023	-0.032	-1.111	0.266		-5.990
	455992	958727	967974	82093	1	932607
GO_IRON_ION_TRANSMEMBRANE_TRANSPORT	0.0180	-0.022	1.0191	0.308		-6.087
	3015	367967	86425	73155	1	96148
GO_PROTOPORPHYRINOGEN_IX_METABOLIC_PROCESS	-0.014	-0.029	-0.779	0.436		-6.299
	0828	711937	673563	04489	1	552821
				7		
REACTOME_IRON_UPTAKE_AND_TRANSPORT	0.0096	-0.018	0.7508	0.453		-6.321
	98765	593467	78768	16787	1	209723
GO_REGULATION_OF_IRON_ION_TRANSPORT	0.0091	0.0112	0.3809	0.703		-6.527
	4345	22425	79275	42123	1	066803
				3		
GO_CELLULAR_RESPONSE_TO_IRON_ION	0.0023	-0.012	0.1276	0.898		-6.590
	433	473918	9936	45118	1	45922

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