Table S1 The information of logFC for differential expression genes between IPF patients and the control group

id	logFC
SPP1	3.856003
PPBP	3.767079
MMP7	3.094781
SFTPB	3.001383
ITGB3	2.777328
CYP1B1	2.489336
TUBB3	2.463291
LRRC2	2.409921
CYTL1	2.379117
VSNL1	2.262473
HTRA1	2.239659
OLIG1	2.238058
TIMP3	2.238012
FFAR3	2.235872
CCL2	2.19958
MMP10	2.157871
MERTK	2.138287
C14orf34	2.129425
S100A12	2.119374
BICC1	2.10942
GPR179	2.106344
PLA2G7	2.106114
FABP3	2.102401
DEFA3	2.095526
SPINK1	2.068789
TPSAB1	2.048006
FNDC5	2.003073
IL1R2	2.000731
AQP4	1.980216
SOD3	1.972751
STAB1	1.966629
SFTPC	1.939547
TPSD1	1.936252
CCL7	1.932093

Table S1 (*continued*)

Table S1 (*continued*)

id	logFC
VSTM1	1.917281
TPST1	1.913652
PROM2	1.905313
CST6	1.888228
SDS	1.879609
WNT2B	1.874928
GPR182	1.869439
HBD	1.86808
HS3ST2	1.837265
ANGPTL4	1.76816
LOC729040	1.764131
TM4SF1	1.762285
GFRA2	1.757664
MATK	1.744541
EMP1	1.734211
AANAT	1.710304
RNASE1	1.678622
DACH1	1.675864
COL22A1	1.675523
NRAP	1.67189
PID1	1.667208
CCR3	1.661399
KIAA0125	1.653681
F13A1	1.652466
CPA3	1.649287
CD86	1.637381
RPA4	1.625746
ARAP3	1.624116
SLC28A3	1.605387
NT5DC2	1.602076
RNASE2	1.596596
EHD2	1.594722
B3GNT8	1.593013
SPRY2	1.585458

Table S1 (*continued*)

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Table S1 (*continued*)

id	logFC
MGC24103	1.580791
CXCL14	1.5796
CH25H	1.575003
RGL1	1.550247
MRVI1	1.542015
RAB3IL1	1.53331
SEPP1	1.528336
OR13H1	1.516111
KRT79	1.498058
MALL	1.495627
IBSP	1.492416
ADM	1.489362
PI3	1.479423
STEAP4	1.46926
CLC	1.467909
CCL13	1.458057
CDA	1.445885
CCL26	1.442975
ARNT2	1.43881
DIRAS1	1.426543
HDC	1.416884
CLGN	1.408777
HS3ST1	1.408676
PRSS8	1.406913
HIST2H3A	1.403166
GPT	1.382998
C10orf116	1.376584
IL8	1.373865
CNIH3	1.373499
CMKLR1	1.37083
ACOX2	1.367016
SH3RF1	1.365489
RNASE3	1.362714
MRC2	1.355777

Table S1 (*continued*)

Table S1 (*continued*)

id	logFC
LGMN	1.352665
CD36	1.350796
MPO	1.337994
CYR61	1.330317
ASPHD1	1.325651
KRT14	1.291002
TM4SF19	1.288525
RGS2	1.27315
CACNA1G	1.272916
OR8G5	1.27172
FCN1	1.267912
IER3	1.264788
KIT	1.254733
TDRD10	1.254632
PRKAR1B	1.240034
VCAN	1.234562
MMP9	1.227406
PCSK9	1.212719
MS4A2	1.211344
AREG	1.20871
SFTPD	1.206889
FAM20A	1.20638
ECM1	1.206065
CEACAM7	1.202738
SNAI1	1.199136
HRK	1.196395
KCNG1	1.194507
CLDN18	1.193072
CXCL5	1.192979
SLC40A1	1.19176
DIRC3	1.190271
ATP9A	1.182874
FBXO15	1.181945
P2RY2	1.180127

Table S1 (*continued*)

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Table S1 (*continued*)

id	logFC
FGFR1	1.177801
PGA3	1.176969
LOC100132368	1.170005
SFN	1.16869
MUC21	1.166485
HOMER3	1.164147
S1PR3	1.162823
HAMP	1.160114
SPTLC3	1.159878
ABLIM3	1.156865
ENHO	1.155081
AQP2	1.154688
SLC16A10	1.152375
SEC14L2	1.148491
SLC24A3	1.145543
LTC4S	1.145343
TAAR2	1.143163
LRG1	1.139364
C6orf108	1.139162
HIST1H3B	1.137506
GAS6	1.134418
SULT1C2	1.131406
DYSF	1.126893
C1orf111	1.126254
LOC283050	1.123883
HES4	1.119226
KRT17	1.1121
CALB2	1.110349
MUC1	1.110008
NRGN	1.106171
EPO	1.103573
PAX6	1.100351
FAM198B	1.098049
NIPAL4	1.092226

Table S1 (*continued*)

Table S1 (*continued*)

id	logFC
GAL3ST4	1.086711
NOV	1.086149
CYBRD1	1.086021
SNCA	1.085304
SPTB	1.08173
FCGR2B	1.080386
CLEC5A	1.075267
CXCL1	1.074218
QPCT	1.072253
C14orf162	1.070768
OR52E8	1.066605
FAM124B	1.06621
UCK2	1.064365
MGC14436	1.063247
SLC16A8	1.05739
FCER2	1.056397
PPP1R14C	1.053759
IL1RN	1.051554
CLEC11A	1.046712
PMP22	1.041398
SFRP1	1.03858
SFTA2	1.034844
MYL9	1.034835
NPAS2	1.030934
CD24	1.030668
LEPREL1	1.030111
LOC284263	1.02944
SFTPA2	1.029373
MGP	1.024552
CEBPE	1.023772
MYO7A	1.022615
FAM20C	1.020749
KRTAP4-11	1.020715
LOC100130480	1.017798

Table S1 (*continued*)

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Table S1 (*continued*)

id	logFC
PDGFA	1.012284
SEMA3B	1.00929
KIF4A	1.005653
SLC47A1	-1.00141
ERN2	-1.00479
MPP7	-1.00695
HOXC4	-1.00729
GATA3	-1.00734
MYB	-1.00767
RANBP3L	-1.00783
RNF183	-1.01242
C11orf80	-1.01247
CD6	-1.01563
JAG2	-1.01796
AQP7P3	-1.02239
LOC283392	-1.02313
LOC100270804	-1.02639
RORA	-1.02654
SNTN	-1.02656
HRASLS	-1.0302
ITK	-1.03125
SNAI2	-1.03637
SLC7A2	-1.03645
C8A	-1.03662
CSPG4	-1.03949
LOC650293	-1.04049
TFRC	-1.04068
RIC3	-1.04191
ZNF404	-1.04298
FOLR3	-1.04313
NR3C2	-1.04324
CC2D2A	-1.04924
THAP2	-1.05016
ZNF239	-1.05069

Table S1 (*continued*)

Table S1 (*continued*)

id	logFC
ZNF589	-1.05218
SNORA12	-1.05973
PM20D1	-1.06203
TCF7	-1.06253
EPB41L4A	-1.06331
TNNT1	-1.06454
ZNF610	-1.06512
SCN8A	-1.06542
ARMC3	-1.06592
LOC256880	-1.06671
D4S234E	-1.06734
LARP6	-1.06889
IFT81	-1.06903
SERPINI2	-1.07138
LOC400655	-1.07223
GPR85	-1.07447
DLEC1	-1.07639
ITGB8	-1.0784
MYO7B	-1.08026
CDC42EP3	-1.08253
LOC728218	-1.08572
ABHD1	-1.08959
MAL	-1.09019
MAGI3	-1.09278
COL9A2	-1.09321
KPNA5	-1.10405
GRIN3B	-1.10515
DSP	-1.11168
KLK11	-1.11497
LOC729867	-1.11537
C7orf58	-1.11548
TMEM130	-1.11625
EPM2AIP1	-1.11628
NDN	-1.12473

Table S1 (*continued*)

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Table S1 (*continued*)

id	logFC
ODZ4	-1.1275
TPBG	-1.1293
CAPS2	-1.12947
OR2A7	-1.13147
RAP1GAP2	-1.13156
FLJ46875	-1.13275
ENPP5	-1.13735
FAM3B	-1.13918
ICOS	-1.13931
C20orf46	-1.14512
RAB39B	-1.15124
DNAH5	-1.15318
FBXL16	-1.15713
SLC4A8	-1.1666
CAPN11	-1.16854
ANK3	-1.16942
SERPINB4	-1.17668
GPRASP1	-1.18083
LOC100131289	-1.19614
NHS	-1.19903
MAP9	-1.20022
CES1	-1.20284
ZBP1	-1.20287
ACSS3	-1.20422
HLF	-1.2142
ZNF251	-1.21519
AKR1E2	-1.21823
FAM70A	-1.21997
CHRM2	-1.22546
PDCD1LG2	-1.23139
NBEA	-1.2346
TRIB2	-1.23661
LOC400891	-1.23772
SEC16B	-1.24531

Table S1 (*continued*)

Table S1 (*continued*)

id	logFC
IQCA1	-1.24651
ZMAT3	-1.252
ZFP14	-1.25298
MFAP3L	-1.25472
SYNE2	-1.2653
KLF12	-1.26866
KIAA0408	-1.27245
FAM47E	-1.27394
LPAR3	-1.27435
MYO1A	-1.27997
C17orf69	-1.28199
EPB41L5	-1.28237
TJP1	-1.29275
ODF3L1	-1.29365
RFPL4A	-1.30527
GDA	-1.31169
C9orf30-TMEFF1	-1.31377
C9orf171	-1.32157
SLITRK4	-1.3288
TC2N	-1.33076
ACSM1	-1.33541
PLEKHA6	-1.33918
CPLX3	-1.35549
KLRB1	-1.35674
BEX5	-1.35708
ZNF540	-1.37252
IFNG	-1.37571
TRAT1	-1.38275
XCL1	-1.40778
DLX3	-1.41913
TNFRSF25	-1.42826
PIGR	-1.43529
LAMB1	-1.43589
SAMD12	-1.45227

Table S1 (*continued*)

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Table S1 (*continued*)

id	logFC
CXCL9	-1.46689
SHROOM3	-1.46744
RBM11	-1.47051
ARHGAP24	-1.47717
GSTA5	-1.48294
C1orf194	-1.48387
DMD	-1.52499
RSPH1	-1.52543
IGF1	-1.54242
TMEM200A	-1.54474
PRRT4	-1.55266
DLX4	-1.55278
LOC645206	-1.55438
FAM183A	-1.56155
LOC100128252	-1.57934
TMEM56	-1.58744
EFCAB1	-1.60353
MURC	-1.62903
LOC400043	-1.63097
DNAI2	-1.63951
CXCR7	-1.65679
ZNF702P	-1.66273
KCNAB1	-1.70793
GBP7	-1.72011
GABRE	-1.72196
CYP3A7	-1.73123
CAMP	-1.83452
LEF1	-1.85639
CD40LG	-1.87393
AOC3	-1.88126
TCEA3	-1.91778
PTGER3	-2.00014
FAM125B	-2.01546
TCF7L1	-2.03268

Table S1 (*continued*)

Table S1 (*continued*)

id	logFC
ENPP3	-2.05402
CYP3A5	-2.16341
ITIH5	-2.26283
C8B	-2.31597
NALCN	-2.56164

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Table S2 Detailed results of prognostic model using the multivariate Cox regression

id	coef	HR	HR.95L	HR.95H	pvalue
CXCL14	0.197048	1.217802	1.003692	1.477588	0.045791
SLC40A1	0.328027	1.388227	0.9675	1.991911	0.074976
RNASE3	0.585181	1.795316	1.141325	2.824052	0.011344
CCR3	0.280172	1.323357	1.006682	1.73965	0.044676
RORA	-0.65037	0.521853	0.322487	0.844468	0.008089

Table S3 The grouping information of IPF patients stratified by risk scores

id	sex	futime	fustat	CXCL14	SLC40A1	RNASE3	CCR3	RORA	riskScore	risk
GSM1820750	1	2.690411	1	2.176255	7.529534	6.677045	2.666712	9.647956	0.107123	low
GSM1820791	1	1.627397	0	2.499763	6.017312	5.653176	4.215465	8.547031	0.120597	low
GSM1820810	1	2.887671	0	2.777443	5.255918	5.328032	4.453929	7.37939	0.18742	low
GSM1820848	1	1.049315	0	6.6777	5.989944	3.099479	4.009592	6.701181	0.191552	low
GSM1820802	1	1.509589	0	3.305012	6.31339	5.10529	5.519865	8.129156	0.213762	low
GSM1820787	1	1.835616	0	2.367557	6.906236	6.111136	4.424728	8.566003	0.215352	low
GSM1820837	1	1.69589	0	4.760112	3.958506	5.382541	6.043815	7.780152	0.224785	low
GSM1820752	1	5.89589	0	3.719579	7.266238	6.78585	2.44916	8.809874	0.230328	low
GSM1820832	1	2.813699	0	2.967795	8.591801	5.829121	2.416916	8.248287	0.250268	low
GSM1820842	1	1.334247	0	3.176554	9.216768	4.82854	4.67816	8.422183	0.299943	low
GSM1820755	1	0.265753	1	2.500494	8.716575	7.674821	2.596618	9.628112	0.300185	low
GSM1820744	1	1.967123	1	4.268577	8.020283	5.474395	4.999664	8.791301	0.315529	low
GSM1820819	1	3.208219	1	2.021657	7.910024	6.498425	4.388959	8.62793	0.333527	low
GSM1820828	0	3.005479	0	3.344809	7.928118	6.094522	4.151996	8.469966	0.356513	low
GSM1820775	1	4.328767	0	2.391152	7.643999	6.374089	5.155236	8.687885	0.364383	low
GSM1820739	1	8.016438	0	2.979139	6.655104	5.899136	6.985888	8.39758	0.451896	low
GSM1820796	1	1.432877	0	4.52326	7.191799	6.691145	5.24078	9.028555	0.472453	low
GSM1820808	0	2.389041	0	2.869742	7.561899	6.878794	4.727886	8.639491	0.479462	low
GSM1820753	1	2.221918	1	4.899363	9.158801	6.081315	5.120282	9.461191	0.49536	low
GSM1820745	1	0.457534	1	3.816168	7.090138	7.198446	5.399707	9.108913	0.530801	low
GSM1820764	1	3.221918	1	4.261457	9.340405	6.533717	6.070303	10.04573	0.539097	low
GSM1820814	1	1.350685	1	3.363133	6.093123	6.612222	6.740906	8.376596	0.582347	low
GSM1820834	1	1.808219	0	2.980574	8.905558	5.695522	4.508208	7.88783	0.584142	low
GSM1820804	1	1.282192	0	3.386925	8.595365	5.624132	4.024725	7.564871	0.590677	low
GSM1820815	1	2.624658	1	3.149784	6.814047	6.241344	4.733438	7.386996	0.617481	low
GSM1820823	0	2.30411	0	2.451211	8.230981	6.625342	4.1469	7.932164	0.63817	low

Table S3 (*continued*)

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Table S3 (*continued*)

id	sex	futime	fustat	CXCL14	SLC40A1	RNASE3	CCR3	RORA	riskScore	risk
GSM1820756	1	0.224658	1	5.772672	7.865604	6.66736	2.443293	8.000723	0.662443	low
GSM1820797	1	2.29863	0	6.766446	7.397493	6.317389	3.591284	8.178159	0.692039	low
GSM1820773	1	2.479452	1	5.537316	6.992163	6.55567	4.955777	8.361049	0.711424	high
GSM1820743	1	3.846575	1	2.379045	9.403569	7.207628	5.371375	9.353161	0.726805	high
GSM1820838	0	2.353425	0	3.310096	6.397982	6.739718	6.18868	7.900863	0.80104	high
GSM1820777	1	2.890411	1	4.054571	8.720728	6.731595	5.445271	8.492374	1.093124	high
GSM1820768	1	4.846575	1	2.335034	8.767706	7.256159	5.791397	8.407448	1.252062	high
GSM1820812	1	1.035616	1	3.374072	8.411273	6.745853	6.078712	8.018581	1.415376	high
GSM1820747	1	1.572603	1	2.388742	9.728437	7.015746	7.851603	9.364179	1.440252	high
GSM1820741	1	1.526027	1	5.634221	8.213857	6.932814	7.047001	9.000967	1.599634	high
GSM1820778	0	0.123288	1	5.134296	8.305977	6.392059	6.207405	7.886328	1.776669	high
GSM1820820	1	0.30137	1	5.788532	7.812034	6.59018	5.74561	7.650992	1.976326	high
GSM1820835	1	0.394521	1	4.093968	6.971222	6.175657	5.836972	6.320748	2.05381	high
GSM1820788	0	0.268493	1	4.526021	8.377087	7.615885	4.987702	8.040077	2.122609	high
GSM1820792	1	0.838356	1	5.897792	6.782039	7.60049	5.909519	7.95029	2.242037	high
GSM1820841	1	1.50411	0	5.629299	7.880296	5.949937	5.529668	6.715361	2.32938	high
GSM1820774	1	2.446575	1	5.136586	9.032086	7.895386	7.036578	9.499056	2.402559	high
GSM1820772	1	1.183562	1	7.822168	8.932191	6.751911	6.252478	8.786222	2.579864	high
GSM1820850	1	0.668493	1	5.646344	8.099367	4.359378	5.454	5.20076	2.595834	high
GSM1820806	1	0.539726	1	4.565593	9.405672	7.212026	4.734887	7.618223	2.900974	high
GSM1820830	1	0.756164	1	4.953695	9.462666	7.525471	4.695753	7.848243	3.264402	high
GSM1820846	1	1.167123	1	8.11578	6.291916	8.865949	2.279307	6.90457	4.424709	high
GSM1820795	0	0.410959	1	8.151472	9.225448	7.652115	5.740017	8.606792	4.996426	high
GSM1820786	1	0.619178	1	7.022599	9.257297	6.975988	7.36407	8.236266	5.457902	high
GSM1820824	1	0.805479	1	7.757735	6.122578	6.455595	6.865361	6.094522	5.825976	high
GSM1820822	1	0.380822	1	6.64152	8.456156	6.611661	7.035951	7.047561	6.216139	high
GSM1820799	1	1.339726	1	10.04684	8.190663	6.953897	5.593384	7.481033	6.85691	high
GSM1820798	1	0.180822	1	7.108656	8.28654	6.55567	7.94744	6.529698	11.27931	high
GSM1820742	1	0.413699	1	7.905854	9.771968	8.206341	6.754999	7.36587	23.46121	high
GSM1820829	1	0.115068	1	4.772996	9.145321	9.25043	9.855494	7.935954	31.22926	high

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