

Supplement

International IPF Genetics Consortium

Writing Group

Richard J Allen, Carlos Flores, Beatriz Guillen-Guio, R Gisli Jenkins, Toby M Maher, Imre Noth, Justin M Oldham, David A Schwartz, Amy Stockwell, Louise V Wain, Brian L Yaspan

UK Study

Richard J Allen, Helen L Booth, William A Fahy, Ian P Hall, Simon P Hart, Mike R Hill, Nik Hirani, Richard B Hubbard, R Gisli Jenkins, Toby M Maher, Robin J McNulty, Ann B Millar, Philip L Molyneaux, Vidya Navaratnam, Eunice Oballa, Helen Parfrey, Gauri Saini, Ian Sayers, Martin D Tobin, Louise V Wain, Moira K B Whyte

Chicago Study

Ayodeji Adegunsoye, Carlos Flores, Naftali Kaminski, Shwu-Fan Ma, Imre Noth, Justin M Oldham, Mary E Streck, Yingze Zhang

Colorado Study

Tasha E Fingerlin, David A Schwartz

UUS Study

Richard J Allen, Carlos Flores, Beatriz Guillen-Guio, R Gisli Jenkins, Shwu-Fan Ma, Toby M Maher, Maria Molina-Molina, Philip L Molyneaux, Imre Noth, Justin M Oldham, Louise V Wain

Genentech study

Margaret Neighbors, Xuting Sheng, Amy Stockwell, Brian L Yaspan

Supplementary Table 1: All sentinel variants associated with IPF risk

This table includes the most associated variant (sentinel) for the 19 signals (14 previously reported loci and the five novel loci identified here) associated with IPF risk. The risk allele is the allele associated with increased risk of IPF. Position is for genetic build 37. Chr=chromosome. EAF=Effect allele frequency. OR=Odds ratio. CI=Confidence interval. PPR=posterior probability of replicability calculated using MAMBA.

Chr	Position	rsid	Implicated gene	Non-effect allele	Risk allele	EAF	OR [95% CI]	p	PPR
3	44903434	rs2292181	<i>KIF15</i>	G	C	5.2%	1.52 [1.36, 1.70]	3.95×10 ⁻¹³	100.0%
3	169486271	rs9860874	<i>TERC</i>	C	A	27.6%	1.29 [1.22, 1.37]	6.49×10 ⁻¹⁸	98.8%
4	89837808	rs2609259	<i>FAM13A</i>	C	A	22.4%	1.30 [1.22, 1.39]	6.47×10 ⁻¹⁷	98.6%
5	1282414	rs7725218	<i>TERT</i>	A	G	67.1%	1.41 [1.33, 1.50]	4.90×10 ⁻³²	100.0%
6	7563232	rs2076295	<i>DSP</i>	T	G	46.7%	1.49 [1.41, 1.57]	1.50×10 ⁻⁴⁸	100.0%
7	1868761	rs12537430	<i>MAD1L1</i>	A	G	62.5%	1.28 [1.21, 1.35]	4.20×10 ⁻¹⁸	99.8%
7	99630342	rs2897075	<i>ZKSCAN1</i>	C	T	38.2%	1.30 [1.23, 1.37]	1.77×10 ⁻²¹	99.3%
8	120940206	rs10808505	<i>DEPTOR</i>	G	T	57.3%	1.20 [1.13, 1.26]	6.03×10 ⁻¹¹	26.1%
10	111229861	rs79684490	10q25.1	G	A	4.6%	1.40 [1.24, 1.57]	3.52×10 ⁻⁸	94.0%
11	1241221	rs35705950	<i>MUC5B</i>	G	T	14.5%	5.06 [4.69, 5.47]	9.09×10 ⁻⁴¹⁸	100.0%
13	113534984	rs9577395	<i>ATP11A</i>	G	C	79.1%	1.29 [1.21, 1.38]	4.78×10 ⁻¹⁴	93.6%
15	40716253	rs2304645	<i>IVD</i>	G	C	52.6%	1.28 [1.21, 1.35]	8.66×10 ⁻²⁰	99.6%
15	40931708	rs12912339	<i>KNL1</i>	G	A	15.9%	1.30 [1.21, 1.39]	7.41×10 ⁻¹³	96.5%
15	86287910	rs11073517	<i>AKAP13</i>	C	T	32.7%	1.19 [1.13, 1.26]	1.36×10 ⁻⁹	11.4%
16	162240	rs74614704	<i>NPRL3</i>	G	A	5.6%	1.49 [1.33, 1.67]	2.57×10 ⁻¹²	99.4%
17	44214888	rs2077551	17q21.31	C	T	80.7%	1.42 [1.32, 1.53]	1.92×10 ⁻²⁰	100.0%
19	4717672	rs12610495	<i>DPP9</i>	A	G	30.6%	1.28 [1.21, 1.36]	2.58×10 ⁻¹⁶	96.3%
20	62284170	rs112087793	<i>STMN3</i>	T	C	91.5%	1.34 [1.21, 1.48]	1.09×10 ⁻⁸	96.8%
20	62324391	rs41308092	<i>RTEL1</i>	G	A	2.1%	1.75 [1.45, 2.10]	3.13×10 ⁻⁹	99.9%