

**Suppl 1.** List of reported pancreatic cancer genetic risk factors from genome-wide association studies and their allele frequencies in different populations sourced from NCBI's dbSNP 1000 genome data

Reference study	Variant reported	Frequency in Europeans	Frequency in Asians	Frequency in Africans
Amundadottir L et al [1]	<b>rs505922C</b>	0.346	0.445	0.352
Petersen GM et al [2]	rs9543325C	0.376	0.435	0.883
	rs401681T	0.436	0.328	0.588
Low SK et al [3]	rs9502893G*	0.000	0.000	0.000
	rs708224A	0.414	0.599	0.638
Wolpin BM et al [4]	<b>rs6971499T</b>	0.852	0.957	0.832
	<b>rs7190458A</b>	0.044	0.048	0.254
	rs9581943A	0.411	0.31	0.122
	rs16986825T	0.158	0.399	0.047
	rs2736098C	0.729	0.583	0.886
	rs1561927T	0.729	0.941	0.418
Childs EJ et al [5]	rs17688601C	0.735	0.951	0.929
	rs9854771G	0.636	0.858	0.731
	rs11655237T	0.103	0.165	0.167
	rs1486134G	0.279	0.402	0.175
Zhang M et al [6]	rs2816938A	0.239	0.093	0.813
	rs10094872T	0.39	0.134	0.299
	rs35226131C	0.964	1.00	0.984
Klein AP et al [7]	rs13303010G	0.104	0.25	0.686
	rs2941471G	0.412	0.536	0.116
	<b>rs4795218A</b>	0.23	0.474	0.054
	rs1517037T	0.183	0.162	0.304
Lin Y et al [8]	rs78193826T	0.0005	0.085	0.001

\*Reported in Japanese. Variants in bold font are variants examined in this study.

## REFERENCE

1. Amundadottir L, Kraft P, Stolzenberg-Solomon RZ, Fuchs CS, Petersen GM, Arslan AA, Bueno-de-Mesquita HB, et al. Genome-wide association study identifies variants in the ABO locus associated with susceptibility to pancreatic cancer. *Nat Genet.* 2009;41(9):986-90.
2. Petersen GM, Amundadottir L, Fuchs CS, Kraft P, Stolzenberg-Solomon RZ, Jacobs KB, Arslan AA, et al. A genome-wide association study identifies pancreatic cancer susceptibility loci on chromosomes 13q22.1, 1q32.1 and 5p15.33. *Nat Genet.* 2010;42(3):224-8.
3. Low SK, Kuchiba A, Zembutsu H, Saito A, Takahashi A, Kubo M, Daigo Y, et al. Genome-wide association study of pancreatic cancer in Japanese population. *PLoS One.* 2010;5(7):e11824.

4. Wolpin BM, Rizzato C, Kraft P, Kooperberg C, Petersen GM, Wang Z, Arslan AA, et al. Genome-wide association study identifies multiple susceptibility loci for pancreatic cancer. *Nat Genet.* 2014;46(9):994-1000.
5. Childs EJ, Mocci E, Campa D, Bracci PM, Gallinger S, Goggins M, Li D, et al. Common variation at 2p13.3, 3q29, 7p13 and 17q25.1 associated with susceptibility to pancreatic cancer. *Nat Genet.* 2015;47(8):911-6.
6. Zhang M, Wang Z, Obazee O, Jia J, Childs EJ, Hoskins J, Figlioli G, et al. Three new pancreatic cancer susceptibility signals identified on chromosomes 1q32.1, 5p15.33 and 8q24.21. *Oncotarget.* 2016;7(41):66328-43.
7. Klein AP, Wolpin BM, Risch HA, Stolzenberg-Solomon RZ, Mocci E, Zhang M, Canzian F, et al. Genome-wide meta-analysis identifies five new susceptibility loci for pancreatic cancer. *Nat Commun.* 2018;9(1):556.
8. Lin Y, Nakatochi M, Hosono Y, Ito H, Kamatani Y, Inoko A, Sakamoto H, et al. Genome-wide association meta-analysis identifies GP2 gene risk variants for pancreatic cancer. *Nat Commun.* 2020;11(1):3175.