

ATM mutations in hereditary pancreatic cancer patients

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Supplementary Table 1. Summary data of 166 familial pancreatic cancers used in *ATM* scale-up

Supplementary Table 2. Primers used for the amplification and sequencing of the *ATM* gene

Supplementary Table 1. Summary data of 166 familial pancreatic cancers used in *ATM* scale-up

Filter	Number of samples	
<i>Incidence of pancreatic cancer in family</i>		
	2	95
	3	44
	4	18
	5	5
	6	4
<i>Earliest age-of-onset of pancreatic cancer in family</i>		
	31-40	4
	41-50	37
	51-60	52
	61-70	53
	71-80	20
	81-90	0
<i>Mean age-of-onset of pancreatic cancer in family</i>		
	31-40	1
	41-50	2
	51-60	32
	61-70	75
	71-80	52
	81-90	4

Supplementary Table 2. Primers used for the amplification and sequencing of the *ATM* gene

Coding exon number	Genomic region of interest ^a	M13 PCR primer sequence ^b	PCR primer sequence
1	chr11:107603558-107603637	ttgtgcctttgaccagaatg	GATCTCGAATCAGGCGCTTA
2	chr11:107603709-107603829	TGCCAAATTCATATGCAAGG	TGCTGCCGTCAACTAGAACAT
3	chr11:107605111-107605264	GCTCTTTGTGATGGCATGAAC	AACAACTTATGCAACAGTTAAGTCC
4	chr11:107611603-107611775	GCCATAATTTGCCAATTTCTTCTC	CAGACAGAGTGCTTTCTTTGGTG
5	chr11:107619886-107620059	TGGACTGGTTGTCTCTTAGGA	TTCTGTATGGGATTATGGAATATTTAAG
6	chr11:107620721-107620967	CAGAATCTGCTACCACTGCTTC	TTCAGCATACCCTTCATAACTGTTC
7	chr11:107622897-107623068	TAACGCTGATGCAGCTTGAC	AAAGGAATAGTTGCATGTACAGAGTC
8	chr11:107624866-107625043	GGTTGAGATGAAAGGATTCCAC	TACGAGATCGTGTCTTCCAC
9	chr11:107626634-107626873	GCAGGCTGACCCAGTAAATAAC	GGAAACTTAACAGCTTACCCAGC
9	chr11:107626874-107627013	TTTATTAAGTCTTCTCGGCCAAAC	CCTTACGGGAAGTTGCATTGTG
10	chr11:107627770-107627972	CCTTAACATAATGTATGTGCCAGG	TGGCATCAAATAAGTGGAGAGAG
11	chr11:107628750-107628853	TGGTTGCTCCTTAAATTTGTCC	TTAAGATGCAGCTACTACCCAGC
12	chr11:107629747-107629980	TCAAAGTCCGAAGAAGAGAAGC	AGCGATCCAGTGATTCCTTG
13	chr11:107632148-107632281	AAAGAGAAAGGGTTAACCTGCAT	GCTTGGCCATCAGGAGATACT
14	chr11:107633414-107633547	GAGTTGTGACAATCCCACTGC	GCATGAACTCTTTCTATCTCTTGG
15	chr11:107634919-107635016	GAAGCAGCATATATTTGGCCC	CGCACCTGGCCTTAATTTTC
16	chr11:107643104-107643283	ACAGATGTGAGCCACTGTGC	GGCCTCTATACTGCCAAATCA
17	chr11:107644343-107644550	TTCTTCAAAGACACCATGTGATTC	GAAGAGGAGGAAATTTGAGTTAATATG
18	chr11:107646997-107647087	GTGTGAGCCACTGCACCC	AAACATCTTGGTCACGACGATAC
19	chr11:107647184-107647347	AGTTCCTCAAGCGACTGAGGG	TCTTGAACCTTCTGAAACCACTATCG
20	chr11:107648465-107648548	TTGGCAAGGTGAGTATGTTGG	GAATAAGGATCAGCTACGGG
21	chr11:107648655-107648793	TTGCAACTGTGAGCTGTTACTATG	TGATTTACAGGCTCTAACAAAGG
22	chr11:107655424-107655549	TGCTTTGGAAAGTAGGGTTTG	GACCCAGAAAGATGCAGTTTC
23	chr11:107656928-107657109	AACTGCTTCCAATATCCCAAC	TGATTAGCAAAGGATTGGTCC
24	chr11:107658643-107658820	ATGGTATGTGTGTGCTGGTG	TGCTATGTGTCAGATACTGTGCC
25	chr11:107660160-107660414	CGAATAAATCGAATAAATAGCCTT	TGGTGGTGGTATGTTCTAAGC
26	chr11:107663533-107663656	CATTGAAGGTGTCAACCAATAAAC	TTAGTCTACAGGTTGGCTGCATAG
27	chr11:107664910-107665044	CTGGACTGTGATATGTCATTTGTG	TCACTAAAGTGTCAAGATTCTGTTC
28	chr11:107665535-107665742	GATATCAAACCCAAATCTAAATCTGTTA	GCGGACAGAGTGAGCTTTTGT
29	chr11:107668552-107668734	GGCATATAAGAATTAGAGATGCTGAA	TAACGTTGCGAACTGCTATCC
30	chr11:107669246-107669418	GCTGGGTATCTTAGACGTAATTAGAACA	CAATGTGCCGCTGACG
31	chr11:107670860-107671000	TGACAATGAAACCAAGAGCAAG	GGGTTTGCAAGTGAAGAAATC
32	chr11:107673220-107673323	CATTGGGCAATCTGTCATTG	TTAAGGAAGTTCAGATTCATTCCC
33	chr11:107675647-107675826	GCCTTAAGGTTAATCTTGAAGTACAGA	CACCATTATATCAAGTGTCTGGCA
34	chr11:107677581-107677730	TCCTTGGATTTATGAATATGGC	GGAAATGCAGTTGCAGTGATTAG
35	chr11:107678786-107678970	GGTAACATTGCCTCCAGATTTAG	TTGCTATCCGGAAGTGCAGAAC
36	chr11:107680608-107680793	GCAGTATGTTGAGTTTATGGCA	TGGGATTCATCTTAAATCCAT
37	chr11:107683830-107683925	ACACTTTGCAACACCTTACC	TGCCACCAGAACCTTATAGC
38	chr11:107686093-107686256	TTTCTGTTAAGCAGTCACTACCATT	AAGCATTCTATTATTTTCAAGACAG
39	chr11:107688344-107688439	TTGTTTGCACCTTCAATGATTT	TGCATGGCATAAATCTGAGAC
40	chr11:107691756-107691852	CCACATTGCTTCGTGTTTATA	CAAACCTCGTGTGTTTGAAGTGT
41	chr11:107691944-107692054	CCTCTGCTTCAGGAGTATCCC	GGAGGGAAGATGTTACAACCC
42	chr11:107693306-107693462	CAGGCTTGGTTTGTGTGCCA	TGTTTGAAGATGAGGAGAGAGGCA
43	chr11:107695887-107695999	GGAGGCGAGAGAATTACAAGG	TTTGAAGCCAGGAGAGTATCTGAG
44	chr11:107697234-107697361	TTAGATCAGTAGCAAAAGCCTATGATG	CAAGTATCCACCCACTTCAG
45	chr11:107701243-107701485	TTCCCTCAGGCTTCTGTTT	TCTTAAAGAGCTGTACCAGCAT
46	chr11:107701991-107702166	CGACCACATGATGGACTGATAG	TCAATGAATGGTAGTTGCTGCT
47	chr11:107703578-107703699	AAAGGAGTGTGAGTGGAGG	CGTACATGAAGGCGAGTTGG
48	chr11:107704954-107705179	AAAGACCAAGTCACTCTTTCTATGC	TTGGACAAGTTTGAATAGTTTCAAT
49	chr11:107706147-107706362	CAAAGAGGTATACACGATTCCTGAC	TGCTTAGGAAGGTGTGTGAATTG
50	chr11:107707377-107707498	AACCCTTGTGCTAATAGAGGAGC	TGTATGCCTGCATGTGTGAGA
51	chr11:107707812-107707978	GGTCAGCCAGGATGGTCTC	CATACACGCTTACCCACTGC
52	chr11:107708695-107708841	TTTGAAGGCACCTAAGTCATTG	CCAGGGAATGCTGAAGCC
53	chr11:107709819-107709909	CTCAATCAGAGCCTGAACCAC	GGTGTAGAACAAGGCAATGG
54	chr11:107710902-107711050	TCCCAAATAAAGCAGAAAGAAA	CCCGGCTAAAGTTGTAGTTC
55	chr11:107711778-107711902	TGCTCAGATTGGTTTGAAGTGC	AATATGGGCATGAGCCACTTC
56	chr11:107719155-107719312	AATGCTTTGCACTGACTCTGATAG	TTTCACTCACACTTTTCACTCTG
57	chr11:107721676-107721849	TTCCCTGTCCAGACTGTTAGC	CCAAACAACAAGTGCTCAATC
58	chr11:107723212-107723306	TTGGTAGGCAACACATTCC	AACATGGCCGGTTATGCAC
59	chr11:107729699-107729821	GACAAAGATGAGGAAGGCAGC	GCTGGGATTACAGGTGCAAAAG
60	chr11:107730744-107730815	CTAATGAAAGCCACTCTGCC	TGAAGCAGTGTCTTCAATC
61	chr11:107741015-107741159	GAACAGTTTAAAGCCTTGGG	GTGTGCATGATGTTTGTCCC
62	chr11:107741258-107741449	TTTAAAGAAGTCTGTTGTCAGTTT	CAGCCCGAATGACCATTTATTT

^aCoordinates refer to human reference genome release hg18 (NCBI 36.1, March 2006).

^bM13 denotes the universal sequencing primer 5'-GTAATAACGACGGCCAGT-3'.