

Supplementary Material to “XRCC4 rs28360071 intronic variant is associated with increased risk for infant acute lymphoblastic leukemia with *KMT2A* rearrangements”

Table S2 – Genotype frequencies of *XRCC6* rs5751129 in EAL subtypes and *KMT2A* status.

<i>XRCC6</i> rs5751129	Control n (%)	ALL n (%)	AML n (%)	
TT	118 (40.4)	42 (35.0)	38 (44.7)	
TC	133 (45.5)	58 (48.3)	41 (48.2)	
CC	41 (14.0)	20 (16.7)	6 (7.1)	
Genetic Model	<i>p</i> OR (CI)	<i>p</i> aOR (CI)	<i>p</i> OR (CI)	<i>p</i> aOR (CI)
Dominant	0.320 1.26 (0.81-2.00)	0.115 1.10 (0.75-1.53)	0.532 0.84 (0.52-1.40)	0.700 0.89 (0.54-1.49)
Recessive	0.542 1.22 (0.70-2.20)	0.257 0.90 (0.53-1.51)	0.095 0.50 (0.20-1.14)	0.142 0.50 (0.20-1.25)
TT vs. TC	0.410 1.22 (0.80-2.00)	0.211 1.10 (0.75-1.62)	0.900 1.00 (0.60-1.60)	0.984 1.00 (0.59-1.70)
TT vs. CC	0.402 1.40 (0.72-2.60)	0.100 0.94 (0.53-1.65)	0.110 0.45 (0.20-1.15)	0.200 0.52 (0.20-1.37)
Additive	0.300 1.30 (0.90-2.00)	0.070 0.66 (0.42-1.03)	0.272 0.80 (0.50-1.23)	0.474 1.19 (0.73-1.96)
<i>KMT2A</i> -WT				
<i>XRCC6</i> rs5751129	Control n (%)	ALL n (%)	AML n (%)	
TT	118 (40.4)	19 (40.4)	17 (48.6)	
TC	133 (45.5)	21 (44.7)	15 (42.9)	
CC	41 (14.0)	7 (14.9)	3 (8.6)	
Genetic Model	<i>p</i> OR (CI)	<i>p</i> aOR (CI)	<i>p</i> OR (CI)	<i>p</i> aOR (CI)
Dominant	1.000 1.00 (0.53-2.00)	0.762 0.90 (0.47-1.71)	0.400 0.72 (0.40-1.45)	0.670 1.17 (0.56-2.43)
Recessive	0.824 1.10 (0.45-2.55)	0.638 0.80 (0.33-1.96)	0.600 0.60 (0.20-2.00)	0.532 1.49 (0.42-5.20)
TT vs. TC	1.000 1.00 (0.50-1.91)	0.852 0.93 (0.47-1.85)	0.575 0.80 (0.40-1.64)	0.810 1.09 (0.51-2.35)
TT vs. CC	1.000 1.10 (0.42-2.71)	0.504 0.71 (0.26-1.91)	0.411 0.51 (0.14-1.82)	0.592 1.43 (0.38-5.35)
Additive	1.000 1.01 (0.55-1.85)	0.699 0.88 (0.47-1.64)	0.300 0.70 (0.34-1.34)	0.587 1.21 (0.60-2.46)
<i>KMT2A</i> -r				
<i>XRCC6</i> rs5751129	Control n (%)	ALL n (%)	AML n (%)	
TT	118 (40.4)	19 (32.2)	8 (44.4)	
TC	133 (45.5)	31 (52.5)	10 (55.6)	
CC	41 (14.0)	9 (15.3)	0 (0.0)	
Genetic Model	<i>p</i> OR (CI)	<i>p</i> aOR (CI)	<i>p</i> OR (CI)	<i>p</i> aOR (CI)
Dominant	0.310 1.43 (0.80-2.60)	0.100 1.67 (0.90-3.09)	0.810 0.85 (0.33-2.21)	0.536 0.73 (0.27-1.97)
Recessive	0.840 1.10 (0.50-2.41)	0.521 1.30 (0.57-2.95)	-	-
TT vs. TC	0.300 1.45 (0.80-2.70)	0.140 1.62 (0.85-3.08)	1.000 1.11 (0.42-2.90)	0.914 0.94 (0.34-2.56)
TT vs. CC	0.493 1.36 (0.57-3.25)	0.183 1.87 (0.74-4.75)	-	-
Additive	0.263 1.41 (0.80-2.52)	0.075 0.58 (0.31-1.05)	0.500 0.70 (0.30-1.80)	0.309 1.67 (0.61-4.53)

ALL: Acute Lymphoblastic Leukemia; AML: Acute Myeloid Leukemia; OR: Odds ratio; aOR: Odds ratio adjusted by non-whites and sex; *KMT2A*-WT: *KMT2A* wild type; *KMT2A*-r: *KMT2A* rearrangements.