

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

Table S3 - Genotype frequencies of XRCC4 rs6869366 in EAL subtypes and KMT2A status.

<i>XRCC4</i> rs6869366	Control n (%)	ALL n (%)	AML n (%)	
TT	249 (84.7)	97 (90.7)	75 (89.3)	
TG	43 (14.6)	10 (9.3)	7 (8.3)	
GG	2 (0.7)	0 (0.0)	2 (2.4)	
Genetic Model	<i>p</i> OR (CI)	<i>p</i> aOR (CI)	<i>p</i> OR (CI)	<i>p</i> aOR (CI)
Dominant	0.141 0.60 (0.30-1.20)	0.166 0.61 (0.35-1.10)	0.400 0.70 (0.31-1.42)	0.336 0.68 (0.31-1.47)
Recessive	-	-	0.215 3.60 (0.50-25.7)	0.195 3.76 (0.50-27.9)
TT vs. TG	0.185 0.59 (0.28-1.25)	0.207 0.60 (0.32-1.04)	0.200 0.54 (0.23-1.25)	0.180 0.55 (0.24-1.30)
TT vs. GG	-	-	0.240 3.32 (0.50-24.0)	0.234 3.38 (0.45-25.3)
Additive	0.107 0.54 (0.26-1.12)	0.133 1.75 (0.84-3.67)	0.610 0.80 (0.40-1.60)	0.540 1.25 (0.61-2.55)
<i>KMT2A-WT</i>				
<i>XRCC4</i> rs6869366	Control n (%)	ALL n (%)	AML n (%)	
TT	249 (84.7)	34 (85.0)	26 (89.7)	
TG	43 (14.6)	6 (15.0)	2 (6.9)	
GG	2 (0.7)	0 (0.0)	1 (3.4)	
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 (0.40-2.50)	0.947 1.03 (0.40-2.62)	0.600 0.70 (0.20-2.20)	0.496 1.54 (0.44-5.41)
Recessive	-	-	0.250 5.21 (0.50-59.3)	0.181 0.17 (0.01-2.28)
TT vs. TG	1.000 1.02 (0.41-2.60)	0.971 0.98 (0.38-2.50)	0.400 0.45 (0.10-1.95)	0.297 2.20 (0.49-9.75)
TT vs. GG	-	-	0.265 4.80 (0.42-54.6)	0.218 0.19 (0.01-2.61)
Additive	1.000 0.94 (0.40-2.35)	0.871 1.07 (0.42-2.74)	1.000 0.81 (0.30-2.44)	0.733 1.21 (0.39-3.72)
<i>KMT2A-r</i>				
<i>XRCC4</i> rs6869366	Control n (%)	ALL n (%)	AML n (%)	
TT	249 (84.7)	56 (94.9)	15 (78.9)	
TG	43 (14.6)	3 (5.1)	3 (15.8)	

<i>XRCC4</i> rs6869366	Control n (%)	ALL n (%)	AML n (%)	
GG	2 (0.7)	0 (0.0)	1 (5.3)	
Genetic Model	<i>p</i> OR (CI)	<i>p</i> aOR (CI)	<i>p</i> OR (CI)	<i>p</i> aOR (CI)
	0.040	0.054	0.514	0.495
Dominant	0.30 (0.09-1.00)	0.30 (0.08-1.01)	1.50 (0.50-4.65)	1.49 (0.46-4.76)
Recessive	-	-	0.172	0.082
	0.055	0.060	8.11 (0.70-93.7)	10.6 (0.74-153.)
TT vs. TG	0.31 (0.10-1.04)	0.31 (0.09-1.05)	0.740	0.810
			1.20 (0.32-4.20)	0.85 (0.23-3.09)
TT vs. GG	-	-	0.170	0.103
			8.30 (0.71-96.8)	9.16 (0.63-131.)
Additive	0.040	0.050	0.345	0.295
	0.30 (0.10-0.95)	0.42 (0.01-1.11)	1.80 (0.61-5.10)	0.56 (0.19-1.64)

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