

**Extended Class I
rs7747023 (A>G)**

| | Ca | Co | OR | 95%CI |
|---------------------------------|-----|-----|------|-----------|
| B-cell ALL: log-additive | 567 | 892 | 0.73 | 0.60-0.89 |
| Genetic Models | | | | |
| G/A (vs A/A) | 145 | 285 | 0.70 | 0.56-0.87 |
| G/G (vs A/A) | 19 | 42 | 0.60 | 0.35-1.03 |
| Dominant | 164 | 327 | 0.69 | 0.55-0.87 |
| Recessive | 19 | 42 | 0.67 | 0.39-1.15 |

By Race/Ethnicity (P homogeneity=0.106)

| | | | | |
|--------------------|-----|-----|------|-----------|
| Non-Hispanic white | 241 | 426 | 0.59 | 0.42-0.83 |
| Hispanic | 326 | 466 | 0.83 | 0.65-1.06 |

By Sex (P homogeneity=0.735)

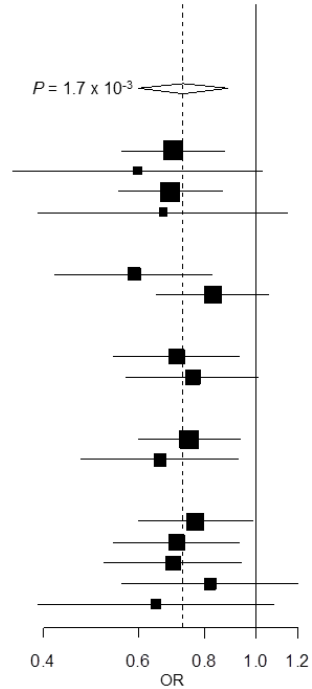
| | | | | |
|--------|-----|-----|------|-----------|
| Male | 298 | 495 | 0.71 | 0.54-0.93 |
| Female | 269 | 397 | 0.76 | 0.57-1.01 |

By Age (P homogeneity=0.547)

| | | | | |
|--------------|-----|-----|------|-----------|
| 0 - 5 years | 391 | 571 | 0.75 | 0.60-0.94 |
| 6 - 14 years | 176 | 321 | 0.66 | 0.47-0.93 |

Major B-cell ALL subtypes

| | | | | |
|-----------------------------|-----|-----|------|-----------|
| cALL (CD10+/CD19+, 2-5 yrs) | 309 | 892 | 0.77 | 0.60-0.99 |
| Non-cALL | 258 | 892 | 0.71 | 0.54-0.93 |
| Hyperdiploid | 178 | 892 | 0.70 | 0.52-0.94 |
| TEL-AML1 | 96 | 892 | 0.82 | 0.56-1.20 |
| Normal karyotype | 58 | 892 | 0.65 | 0.39-1.08 |



**MHC Class I
rs3130785 (G>A)**

| | Ca | Co | OR | 95%CI |
|---------------------------------|-----|-----|------|-----------|
| B-cell ALL: log-additive | 567 | 892 | 1.45 | 1.16-1.81 |
| Genetic Models | | | | |
| A/G (vs G/G) | 147 | 181 | 1.46 | 1.13-1.89 |
| A/A (vs G/G) | 11 | 10 | 2.06 | 0.86-4.93 |
| Dominant | 158 | 191 | 1.49 | 1.16-1.91 |
| Recessive | 11 | 10 | 1.87 | 0.78-4.48 |

By Race/Ethnicity (P homogeneity=0.194)

| | | | | |
|--------------------|-----|-----|------|-----------|
| Non-Hispanic white | 241 | 426 | 1.27 | 0.93-1.73 |
| Hispanic | 326 | 466 | 1.72 | 1.23-2.41 |

By Sex (P homogeneity=0.596)

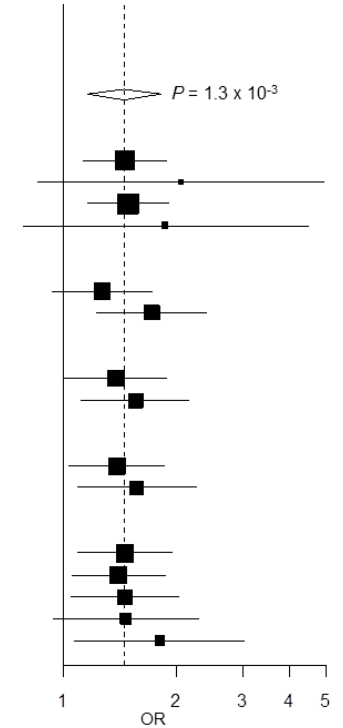
| | | | | |
|--------|-----|-----|------|-----------|
| Male | 298 | 495 | 1.38 | 1.01-1.89 |
| Female | 269 | 397 | 1.56 | 1.12-2.17 |

By Age (P homogeneity=0.608)

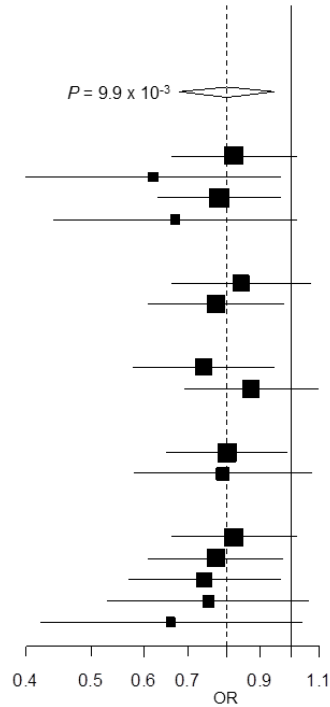
| | | | | |
|--------------|-----|-----|------|-----------|
| 0 - 5 years | 391 | 571 | 1.39 | 1.04-1.86 |
| 6 - 14 years | 176 | 321 | 1.57 | 1.09-2.26 |

Major B-cell ALL subtypes

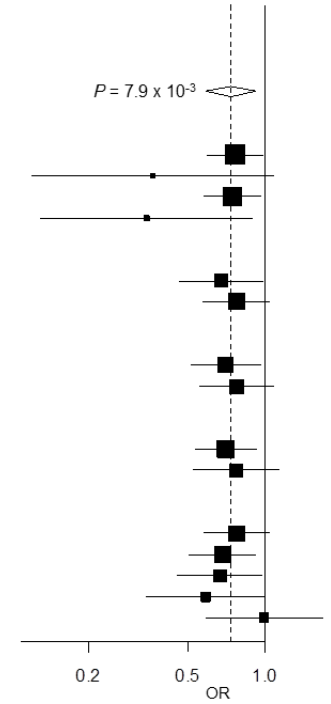
| | | | | |
|-----------------------------|-----|-----|------|-----------|
| cALL (CD10+/CD19+, 2-5 yrs) | 309 | 892 | 1.46 | 1.09-1.96 |
| Non-cALL | 258 | 892 | 1.40 | 1.05-1.87 |
| Hyperdiploid | 178 | 892 | 1.46 | 1.05-2.03 |
| TEL-AML1 | 96 | 892 | 1.47 | 0.94-2.30 |
| Normal karyotype | 58 | 892 | 1.80 | 1.07-3.03 |



| MHC Class I rs1632856 (G>A) | | | | |
|--|-----|-----|------|-----------|
| | Ca | Co | OR | 95%CI |
| B-cell ALL: log-additive | | | | |
| | 567 | 892 | 0.80 | 0.68-0.94 |
| Genetic Models | | | | |
| A/G (vs G/G) | 213 | 363 | 0.82 | 0.66-1.02 |
| A/A (vs G/G) | 35 | 80 | 0.62 | 0.40-0.96 |
| Dominant | 248 | 443 | 0.78 | 0.63-0.97 |
| Recessive | 35 | 80 | 0.67 | 0.44-1.02 |
| By Race/Ethnicity (P homogeneity=0.611) | | | | |
| Non-Hispanic white | 241 | 426 | 0.84 | 0.66-1.07 |
| Hispanic | 326 | 466 | 0.77 | 0.61-0.97 |
| By Sex (P homogeneity=0.349) | | | | |
| Male | 298 | 495 | 0.74 | 0.58-0.94 |
| Female | 269 | 397 | 0.87 | 0.69-1.10 |
| By Age (P homogeneity=0.947) | | | | |
| 0 - 5 years | 391 | 571 | 0.80 | 0.65-0.98 |
| 6 - 14 years | 176 | 321 | 0.79 | 0.58-1.08 |
| Major B-cell ALL subtypes | | | | |
| cALL (CD10+/CD19+, 2-5 yrs) | 309 | 892 | 0.82 | 0.66-1.02 |
| Non-cALL | 258 | 892 | 0.77 | 0.61-0.97 |
| Hyperdiploid | 178 | 892 | 0.74 | 0.57-0.96 |
| TEL-AML1 | 96 | 892 | 0.75 | 0.53-1.06 |
| Normal karyotype | 58 | 892 | 0.66 | 0.42-1.04 |



| MHC Class I rs2524279 (A>G) | | | | |
|--|-----|-----|------|-----------|
| | Ca | Co | OR | 95%CI |
| B-cell ALL: log-additive | | | | |
| | 565 | 888 | 0.73 | 0.58-0.92 |
| Genetic Models | | | | |
| G/A (vs A/A) | 120 | 227 | 0.76 | 0.59-0.98 |
| G/G (vs A/A) | 4 | 16 | 0.36 | 0.12-1.08 |
| Dominant | 124 | 243 | 0.74 | 0.57-0.96 |
| Recessive | 4 | 16 | 0.34 | 0.13-0.89 |
| By Race/Ethnicity (P homogeneity=0.567) | | | | |
| Non-Hispanic white | 240 | 424 | 0.67 | 0.46-0.98 |
| Hispanic | 325 | 464 | 0.77 | 0.57-1.04 |
| By Sex (P homogeneity=0.686) | | | | |
| Male | 296 | 493 | 0.70 | 0.51-0.96 |
| Female | 269 | 395 | 0.77 | 0.55-1.08 |
| By Age (P homogeneity=0.699) | | | | |
| 0 - 5 years | 389 | 569 | 0.70 | 0.53-0.92 |
| 6 - 14 years | 176 | 319 | 0.77 | 0.52-1.14 |
| Major B-cell ALL subtypes | | | | |
| cALL (CD10+/CD19+, 2-5 yrs) | 308 | 888 | 0.77 | 0.57-1.04 |
| Non-cALL | 257 | 888 | 0.68 | 0.50-0.92 |
| Hyperdiploid | 178 | 888 | 0.66 | 0.45-0.97 |
| TEL-AML1 | 95 | 888 | 0.58 | 0.34-0.99 |
| Normal karyotype | 58 | 888 | 0.99 | 0.58-1.69 |



**Extended Class II
rs213203 (C>A)**

| | Ca | Co | OR | 95%CI |
|--|----|----|----|-------|
|--|----|----|----|-------|

| | | | | |
|--|-----|-----|------|-----------|
| B-cell ALL: A/C (vs C/C or A/A) | 247 | 471 | 0.68 | 0.55-0.84 |
|--|-----|-----|------|-----------|

Genetic Models

| | | | | |
|--------------|-----|-----|------|-----------|
| A/C (vs C/C) | 247 | 471 | 0.62 | 0.48-0.80 |
| A/A (vs C/C) | 146 | 210 | 0.83 | 0.62-1.11 |
| Log-additive | 567 | 892 | 0.90 | 0.78-1.04 |
| Dominant | 393 | 681 | 0.68 | 0.54-0.86 |
| Recessive | 146 | 210 | 1.12 | 0.88-1.43 |

By Race/Ethnicity (P homogeneity=1.000)

| | | | | |
|--------------------|-----|-----|------|-----------|
| Non-Hispanic white | 241 | 426 | 0.68 | 0.49-0.94 |
| Hispanic | 326 | 466 | 0.68 | 0.51-0.91 |

By Sex (P homogeneity=0.789)

| | | | | |
|--------|-----|-----|------|-----------|
| Male | 298 | 495 | 0.66 | 0.49-0.89 |
| Female | 269 | 397 | 0.70 | 0.51-0.96 |

By Age (P homogeneity=0.655)

| | | | | |
|--------------|-----|-----|------|-----------|
| 0 - 5 years | 391 | 571 | 0.65 | 0.50-0.84 |
| 6 - 14 years | 176 | 321 | 0.72 | 0.50-1.04 |

Major B-cell ALL subtypes

| | | | | |
|-----------------------------|-----|-----|------|-----------|
| cALL (CD10+/CD19+, 2-5 yrs) | 309 | 892 | 0.69 | 0.53-0.90 |
| Non-cALL | 258 | 892 | 0.64 | 0.48-0.85 |
| Hyperdiploid | 178 | 892 | 0.67 | 0.48-0.94 |
| TEL-AML1 | 96 | 892 | 0.76 | 0.50-1.16 |
| Normal karyotype | 58 | 892 | 0.40 | 0.22-0.73 |

