|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Cancer** | ***CTLA-4* polymorphisms** | | | | | |
| ***c.49A>G***  **(rs231775)** | ***c.-319C>T***  **(rs5742909)** | ***CT60***  **(rs3087243)** | ***c. -1661A>*G**  **(rs4553808)** | ***c. -1722 T>C***  **(rs733618)** | ***c.-658 C>T*  (rs11571317)** |
| **Overall cancer risk** | AA↑[21;22]  A+↑[18] | T+↑[22] | No association [8] | G+↑[23] | No association [5] | No data |
| **Cervical cancer** | AA↑[1-3]  A+↑ | TT↑[4]a  T+↑ | Inconsistent results | No data | No data[5] | No data |
| **Breast cancer** | AA↑[6;7]  A+↑ | TT↑[7]  T+↑ | G+↑[6-8] | G+↑ [6;7] | No association [5] | T+↑[9] |
| **Gastric cancer** | No association [10] | C+↑ [10] | No association [10] | AA or AG↑[10] | No association [5;10] | No association [10] |
| **Colorectal cancer** | Inconsistent results[10-13] | No association [10] | No association [10] | No association [10] | No association [5;10] | No data |
| **Hepatocellular cancer** | Inconsistent results AA↑ [14]  No association [10] | T+↑[14] | GG↑[10] | No data | No data | No data |
| **Bone cancer** | A+↑[15;16] | T+↑[15] | no[16] | no[16] | No data | No data |
| **Hematological malignances** | No [17] | T+↑[17]b | No [17] | No [17] | No data | No data |
| **Lung cancer** | Inconsistent results  A+↑[18] | No association [19;20] | No association [19;20] | No association [19;20] | No association [19;20] | No data |

Supplementary Table 1. Summary of results concerning associations between *CTLA-4* polymorphisms and risk of different types of cancers.

a in Asian

b trend in Caucasian

c in Caucasian

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