



**HAL**  
open science

## Single nucleotide polymorphisms, apoptosis, and the development of severe late adverse effects after radiotherapy.

David Azria, Mahmut Ozsahin, Andrew Kramar, Sheila Peters, David P Atencio, Nigel E A Crompton, Françoise Mornex, André Pèlerin, Jean-Bernard Dubois, René-Olivier Mirimanoff, et al.

### ► To cite this version:

David Azria, Mahmut Ozsahin, Andrew Kramar, Sheila Peters, David P Atencio, et al.. Single nucleotide polymorphisms, apoptosis, and the development of severe late adverse effects after radiotherapy.. *Clinical Cancer Research*, American Association for Cancer Research, 2008, 14 (19), pp.6284-8. 10.1158/1078-0432.CCR-08-0700 . inserm-00337542

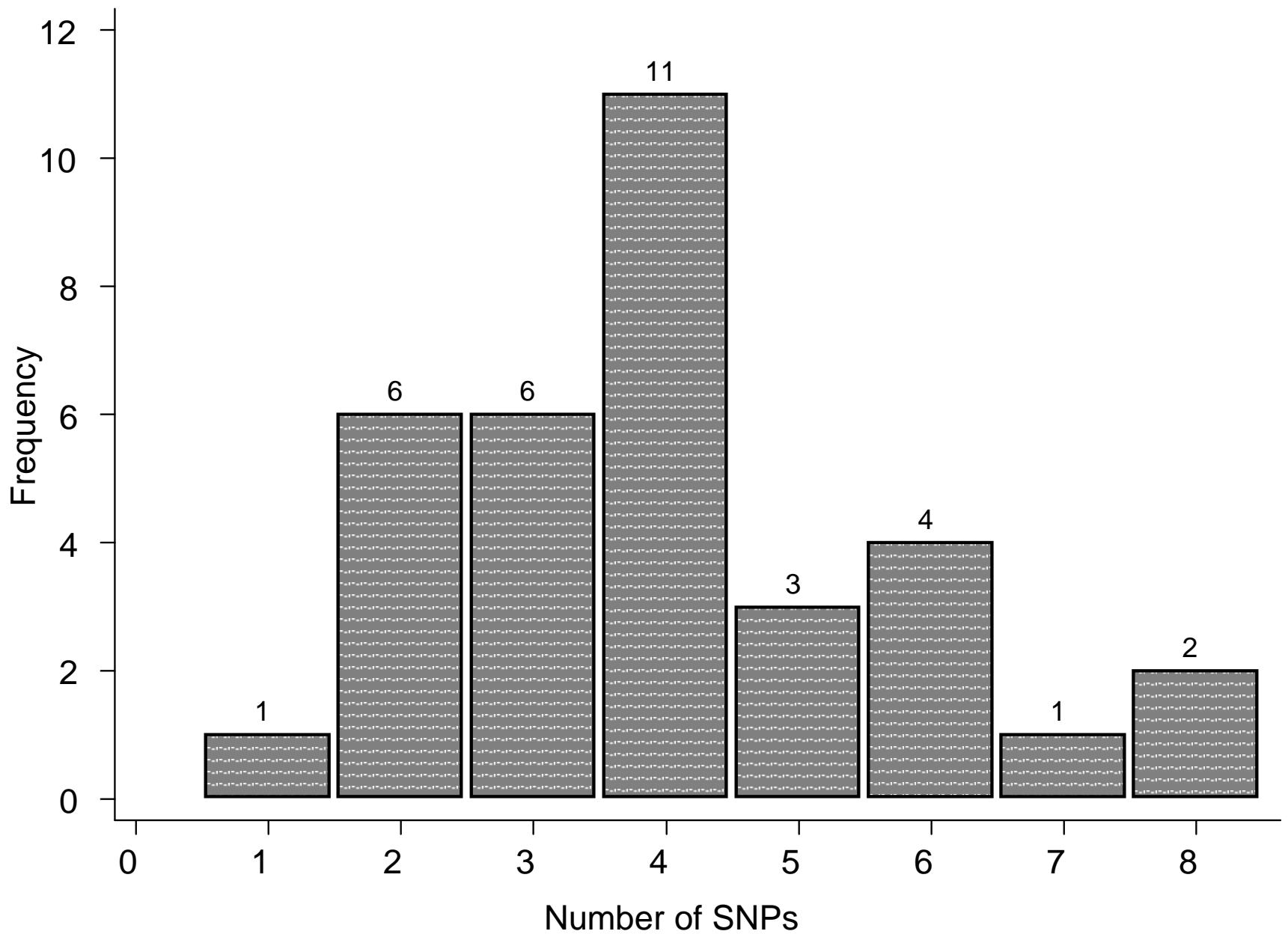
**HAL Id: inserm-00337542**

**<https://www.hal.inserm.fr/inserm-00337542>**

Submitted on 1 Oct 2009

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

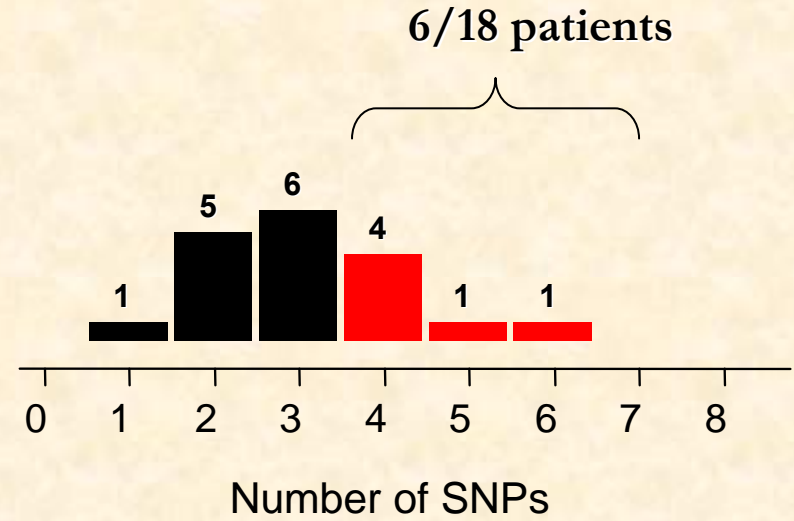
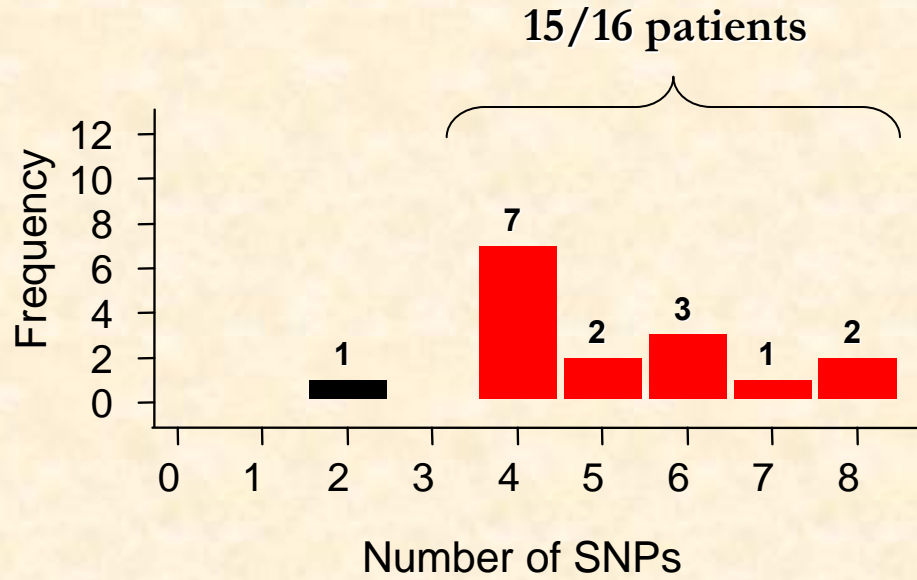
L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



**ATM, SOD2, TGFb, XRCC3, XRCC1, RAD21**

**Grade  $\geq 3$**

**No severe toxicity**



94%, 95%CI: 70-100

33%, 95%CI: 13-59

$p < 0.001$

