

ATTENUATED RECOMBINANT ALPHAVIRUSES INCAPABLE OF REPLICATING IN MOSQUITOES AND USES THEREOF

ABSTRACT

5 The present invention discloses an attenuated recombinant alphavirus that is incapable of
replicating in mosquito cells and of transmission by mosquito vectors. These attenuated
alphavirus may include but is not limited to Western Equine Encephalitis virus, Eastern equine
encephalitis virus, Venezuelan equine encephalitis virus or Chikungunya virus. The present
invention also discloses the method of generating such alphaviruses and their use as
10 immunogenic compositions.

[No suitable figure]