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(54) Title: ATTENUATED RECOMBINANT ALPHAVIRUSES INCAPABLE OF REPLICATING IN MOSQUITOES AND USES THEREOF

(57) Abstract: 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 immunogenic compositions.



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