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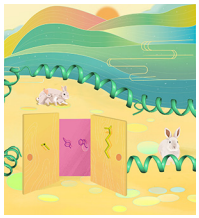
COVER IMAGE



Cover photograph: Mammalian major histocompatibility complex (MHC) class I structures feature a closed peptide binding groove (PBG), compared to the open groove of MHC class II structures. In most typical MHC I structures, including that of HLA-A*0201, residue pairs Tyr59 and Trp167 with large side chains and Glu55 and Arg170 with a salt bridge can be recognized as two "locked doors" at the N terminus of the PBG. Zhang et al. found that in the structures of rabbit MHC I RLA-A1 presenting peptides from rabbit hemorrhagic disease virus, hydrophobic residue Val55 cannot form a salt bridge with Arg170. Thus, the second locked door of common MHC I PBG is opened with the side chain of Arg170 pointing in another direction. (*See related article in September 2020, vol. 94, no. 17, e00396-20.*)

SPOTLIGHT

STRUCTURE AND ASSEMBLY

GENOME REPLICATION AND REGULATION OF VIRAL GENE EXPRESSION

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RETRACTIONS