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McDonald R, Burnett V: Novel single-round PCR and cloning of full-length envelope genes of HIV-1 may yield new insight into biomolecular antibacterial drug development. *J Virol Methods*; 2005 Jun;126(1-2):111-8
PMID: 15847926

the following section is the top 20 articles published on the same topic since you published yours."

List 1: Top 20 Articles, in the Domain of Article 15847926, Since its Publication (2005)

1. Novel single-round PCR and cloning of full-length envelope genes of HIV-1 may yield new insight into biomolecular antibacterial drug development. McDonald R, Burnett V: *J Virol Methods*; 2005 Jun;126(1-2):111-8

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2. PCR amplification, cloning, and construction of HIV-1 infectious molecular clones from virtually full-length HIV-1 genomes. Ehrenberg PK, Michael NL: *Methods Mol Biol*; 2005;304:387-98

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3. An optimized nested polymerase chain reaction (PCR) approach allows detection and characterization of human immunodeficiency virus type 1 (HIV-1) env and gag genes from clinical samples. Locateli D, Stoco PH, Zanetti CR, Pinto AR, Grisard EC: *J Clin Lab Anal*; 2008;22(2):106-13

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4. Amplification and cloning of near full-length HIV-2 genomes. Gao F: *Methods Mol Biol*; 2005;304:399-407

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5. A single administration of lentiviral vectors expressing either full-length human immunodeficiency virus 1 (HIV-1)(HXB2) Rev/Env or codon-optimized HIV-1(JR-FL) gp120 generates durable immune responses in mice. Buffa V, Negri DR, Leone P, Bona R, Borghi M, Bacigalupo I, Carlei D, Sgadari C, Ensoli B, Cara A: *J Gen Virol*; 2006 Jun;87(Pt 6):1625-34

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6. Construction and phenotypic characterization of HIV type 1 functional envelope clones of subtypes G and F. Revilla A, Delgado E, Christian EC, Dalrymple J, Vega Y, Carrera C, González-Galeano M, Ocampo A, de Castro RO, Lezaola-Mun MJ, Rodríguez R, Mariño A, Ordóñez P, Cilla G, Cisterna R, Santamaría JM, Prieto S, Rakhmanova A, Vinogradova A, Ramos M, Pérez-Lvarez L, Nájera R, Montefiori DC, Seaman MS, Thomson MM: *AIDS Res Hum Retroviruses*; 2011 Aug;27(8):889-901

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7. Direct and efficient cloning of full-length genes from environmental DNA by RT-qPCR and modified TAIL-PCR. Huang H, Wang G, Zhao Y, Shi P, Luo H, Yao B: *Appl Microbiol Biotechnol*; 2010 Jul;87(3):1141-9
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8. Production of human immunodeficiency virus type 1 (HIV-1) pseudoviruses using linear HIV-1 envelope expression cassettes. Beels D, Heyndrickx L, Vereecken K, Vermoesen T, Michiels L, Vanham G, Kestens L: *J Virol Methods*; 2008 Jan;147(1):99-107
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9. Identification and characterization of UK-201844, a novel inhibitor that interferes with human immunodeficiency virus type 1 gp160 processing. Blair WS, Cao J, Jackson L, Jimenez J, Peng Q, Wu H, Isaacson J, Butler SL, Chu A, Graham J, Malfait AM, Tortorella M, Patick AK: *Antimicrob Agents Chemother*; 2007 Oct;51(10):3554-61
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10. Methods for viral RNA isolation and PCR amplification for sequencing of near full-length HIV-1 genomes. Kemal KS, Reinis M, Weiser B, Burger H: *Methods Mol Biol*; 2009;485:3-14
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11. Expression and processing of human immunodeficiency virus type 1 gp160 using the vesicular stomatitis virus New Jersey serotype vector system. Wu K, Kim GN, Kang CY: *J Gen Virol*; 2009 May;90(Pt 5):1135-40
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12. Pathogenic significance of alpha-N-acetylgalactosaminidase activity found in the envelope glycoprotein gp160 of human immunodeficiency virus Type 1. Yamamoto N: *AIDS Res Hum Retroviruses*; 2006 Mar;22(3):262-71
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13. Mapping resistance to the CCR5 co-receptor antagonist vicriviroc using heterologous chimeric HIV-1 envelope genes reveals key determinants in the C2-V5 domain of gp120. Ogert RA, Wojcik L, Buontempo C, Ba L, Buontempo P, Ralston R, Strizki J, Howe JA: *Virology*; 2008 Apr 10;373(2):387-99
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14. Role of envelope processing and gp41 membrane spanning domain in the formation of human immunodeficiency virus type 1 (HIV-1) fusion-competent envelope glycoprotein complex. Welman M, Lemay G, Cohen EA: *Virus Res*; 2007 Mar;124(1-2):103-12
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15. Construction and characterization of a full-length infectious molecular clone from the HIV type 1 subtype Thai-B isolated in Henan province, China. Wang Z, Li J, Li L, Feng F, Li H, Bao Z: *AIDS Res Hum Retroviruses*; 2008 Feb;24(2):251-7
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16. Molecular phylogenetics of nearly full-length HIV type 2 envelope gene sequences from West India. Jadhav S, Tripathy S, Kulkarni S, Agnihotri K, Risbud A, Paranjape R: *AIDS Res Hum Retroviruses*; 2009 Jan;25(1):115-21

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17. A phase 1/2 comparative vaccine trial of the safety and immunogenicity of a CRF01_AE (subtype E) candidate vaccine: ALVAC-HIV (vCP1521) prime with oligomeric gp160 (92TH023/LAI-DID) or bivalent gp120 (CM235/SF2) boost. Thongcharoen P, Suriyanon V, Paris RM, Khamboonruang C, de Souza MS, Ratto-Kim S, Karnasuta C, Polonis VR, Baglyos L, Habib RE, Gurunathan S, Barnett S, Brown AE, Birx DL, McNeil JG, Kim JH, for the Thai AIDS Vaccine Evaluation Group: *J Acquir Immune Defic Syndr*; 2007 Sep 1;46(1):48-55

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18. Neutralization patterns and evolution of sequential HIV type 1 envelope sequences in HIV type 1 subtype B-infected drug-naive individuals. Nyambi P, Burda S, Urbanski M, Heyndrickx L, Janssens W, Vanham G, Nadas A: *AIDS Res Hum Retroviruses*; 2008 Dec;24(12):1507-19

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19. Human immunodeficiency virus type 1 subtype B ancestral envelope protein is functional and elicits neutralizing antibodies in rabbits similar to those elicited by a circulating subtype B envelope. Doria-Rose NA, Learn GH, Rodrigo AG, Nickle DC, Li F, Mahalanabis M, Hensel MT, McLaughlin S, Edmonson PF, Montefiori D, Barnett SW, Haigwood NL, Mullins JI: *J Virol*; 2005 Sep;79(17):11214-24

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20. Cross-clade protection induced by human immunodeficiency virus-1 DNA immunogens expressing consensus sequences of multiple genes and epitopes from subtypes A, B, C, and FGH. Malm M, Rollman E, Ustav M, Hinkula J, Krohn K, Wahren B, Blazevic V: *Viral Immunol*; 2005;18(4):678-88

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