

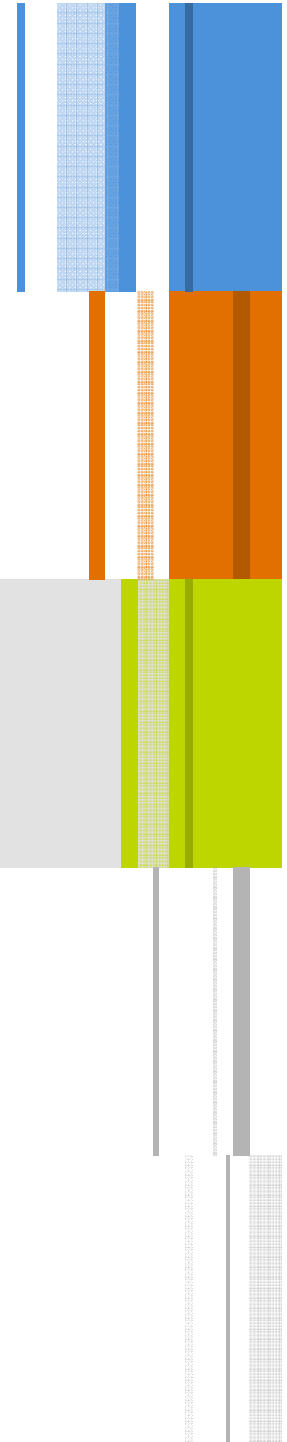


Innovative Peptide Solutions

# HBV Microarray Annotation

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# All Strains in HBV library

Nr	Strain
1	Hepatitis B virus genotype A1 subtype adw (isolate Philippines/pFDW294/1988) (HBV-A)
2	Hepatitis B virus genotype A1 subtype adw2 (isolate South Africa/84/2001) (HBV-A)
3	Hepatitis B virus genotype A2 (isolate Japan/11D11HCCW/1998) (HBV-A)
4	Hepatitis B virus genotype A2 subtype adw (isolate Japan/Nishioka/1983) (HBV-A)
5	Hepatitis B virus genotype A2 subtype adw2 (isolate Germany/991/1990) (HBV-A)
6	Hepatitis B virus genotype A2 subtype adw2 (strain Rutter 1979) (HBV-A)
7	Hepatitis B virus genotype A3 (isolate Cameroon/CMR711/1994) (HBV-A)
8	Hepatitis B virus genotype A3 (isolate Cameroon/CMR983/1994) (HBV-A)
9	Hepatitis B virus genotype B (isolate NT15)
10	Hepatitis B virus genotype B/C subtype adw (isolate Okinawa/pODW282/1998) (HBV-B)
11	Hepatitis B virus genotype B1 (isolate Japan/Ry30/2002) (HBV-B)
12	Hepatitis B virus genotype B1 (isolate Japan/Yamagata-2/1998) (HBV-B)
13	Hepatitis B virus genotype B1 subtype adw (isolate Japan/pJDW233/1988) (HBV-B)
14	Hepatitis B virus genotype B2 (isolate Indonesia/pIDW420/1988) (HBV-B)
15	Hepatitis B virus genotype B2 (isolate Vietnam/16091/1992) (HBV-B)
16	Hepatitis B virus genotype B2 (isolate Vietnam/9873/1997) (HBV-B)
17	Hepatitis B virus genotype B2 subtype adw (isolate China/patient4/1996) (HBV-B)
18	Hepatitis B virus genotype C (isolate NAB28)
19	Hepatitis B virus genotype C (isolate NAB32)
20	Hepatitis B virus genotype C (isolate NAB47)
21	Hepatitis B virus genotype C (isolate NAB52)
22	Hepatitis B virus genotype C (isolate NAB9)
23	Hepatitis B virus genotype C (isolate NT3)
24	Hepatitis B virus genotype C (isolate Vietnam/3270/2000) (HBV-C)
25	Hepatitis B virus genotype C subtype adr (isolate Japan/A4/1994) (HBV-C)
26	Hepatitis B virus genotype C subtype adr (isolate Japan/Nishioka/1983) (HBV-C)

Strains are numbered for use in annotation (see page 3)

# All Strains in HBV library

Nr	Strain
27	Hepatitis B virus genotype C subtype adr (isolate Korea/Kim/1989) (HBV-C)
28	Hepatitis B virus genotype C subtype adr (strain Japan/adr4/1983) (HBV-C)
29	Hepatitis B virus genotype C subtype ar (isolate Japan/S-207/1988) (HBV-C)
30	Hepatitis B virus genotype C subtype ayr (isolate Human/Japan/Okamoto/-) (HBV-C)
31	Hepatitis B virus genotype C subtype ayw (isolate Australia/AustRC/1992) (HBV-C)
32	Hepatitis B virus genotype C subtype ayw (isolate China/Tibet127/2002) (HBV-C)
33	Hepatitis B virus genotype D (isolate France/alpha1/1989) (HBV-D)
34	Hepatitis B virus genotype D (isolate Germany/1-91/1991) (HBV-D)
35	Hepatitis B virus genotype D subtype ayw (isolate Australia/AustKW/1991) (HBV-D)
36	Hepatitis B virus genotype D subtype ayw (isolate France/Tiollais/1979) (HBV-D)
37	Hepatitis B virus genotype D subtype ayw (isolate Italy/CI/1992) (HBV-D)
38	Hepatitis B virus genotype D subtype ayw (isolate Japan/JYW796/1988) (HBV-D)
39	Hepatitis B virus genotype E (isolate Chimpanzee/Ch195/1999) (HBV-E)
40	Hepatitis B virus genotype E (isolate Cote d'Ivoire/ABI-129/2003) (HBV-E)
41	Hepatitis B virus genotype E (isolate Cote d'Ivoire/ABI-212/2003) (HBV-E)
42	Hepatitis B virus genotype E subtype ayw4 (isolate Kou) (HBV-E)
43	Hepatitis B virus genotype F1 (isolate Argentina/sa11/2000) (HBV-F)
44	Hepatitis B virus genotype F1 subtype adw4 (isolate El Salvador/1116Sal/1997) (HBV-F)
45	Hepatitis B virus genotype F2 (isolate Argentina/sa16/2000) (HBV-F)
46	Hepatitis B virus genotype F2 (isolate Brazil/w4B) (HBV-F)
47	Hepatitis B virus genotype F2 (isolate Venezuela/VNZ8248-1/1980) (HBV-F)
48	Hepatitis B virus genotype F2 subtype adw4q (isolate Senegal/9203) (HBV-F)
49	Hepatitis B virus genotype G (isolate IG29227/2000) (HBV-G)
50	Hepatitis B virus genotype G (isolate United States/USG17/2002) (HBV-G)
51	Hepatitis B virus genotype H (isolate United States/LAS2523/2002) (HBV-H)
52	Hepatitis B virus genotype H subtype adw4 (isolate Nicaragua/1853Nic/1997) (HBV-H)
53	Hepatitis B virus genotype H subtype adw4 (isolate Nicaragua/2928Nic/1997) (HBV-H)

Strains are numbered for use in annotation (see page 3)

# Annotation string of single peptides

## Example

Gene Name: X, P, C or S

Nr of peptide in library

Presence in particular strain:  
Position refers to number of strain in table  
on previous pages (1 to 53).

GeneS\_0497\_11000001100010\_10111100000000000110001000000100000010000000000011000

Position 1

Position 53

**A1** **A2** A3 B B/C B1 B2 **C** **D** E F1 F2 **G** H Genotype

1 indicates presence in genotype or strain, 0 means absence

# Automatic Decryption

Scripts in Python and R are available on request to automatically decrypt annotation strings in gpr files.