

Дополнительные материалы Supplementary materials

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Таблица S1. Пол и возраст пациентов, вирусная нагрузка для каждого образца

Table S1. Sex and age of the patients and viral load for each sample

Образец Sample	Вирусная нагрузка ViralLoad	Подтип Subtype	Покрытие Coverage	Возраст Age	Пол Sex
Sample_001		D3	100	43	Male
Sample_002		B2	100	26	Male
Sample_003		A2	99,75	30	Male
Sample_004	1,78676E+07	D1	100,00	51	Female
Sample_005	8,67899E+04	D2	100,00	35	Female
Sample_006	3,29349E+04	D1	100,00	33	Male
Sample_007	1,25518E+05	D1	100,00	32	Female
Sample_008	8,91432E+05	D1	99,97	70	Male
Sample_009	3,67100E+04	D2	99,78	25	Male
Sample_010	1,82343E+04	D1	100,00	39	Male
Sample_011	3,34833E+04	D2	100,00	28	Female
Sample_012	1,38299E+04	D1	100,00	36	Male
Sample_013	1,87328E+04	D3	99,78	38	Male
Sample_014		D1	100,00	42	Male
Sample_015		A2	96,68	56	Male
Sample_016		D2	99,97	35	Female
Sample_017	1,17055E+04	D2	99,91	67	Female
Sample_018	1,27970E+04	D3	99,91	40	Female
Sample_019	1,02296E+04	D1	100,00	36	Female
Sample_020	1,63507E+04	D1	99,69	41	Male
Sample_021	1,06560E+04	D1	96,64	63	Female
Sample_022	2,18602E+04	D1	80,26	57	Male
Sample_023	1,24436E+04	D2	92,46	42	Female
Sample_024	1,41342E+04	A2	99,63	31	Male
Sample_025	1,07850E+04	D1	96,64	34	Male
Sample_026	1,51568E+04	D1	96,48	41	Male
Sample_027	1,09043E+04	D2	99,97	59	Male
Sample_028	1,70580E+04	D1	100,00	63	Female
Sample_029		D1	100,00	52	Male
Sample_030	1,04496E+04	A2	100,00	35	Male
Sample_031		A2	100,00	44	Female
Sample_032	2,70499E+04	D3	100,00	45	Male
Sample_033		A2	100,00	29	Male
Sample_034	3,25680E+04	D1	100,00	44	Male
Sample_035	3,87582E+04	D2	100,00	35	Female
Sample_036	3,61572E+04	D3	99,75	60	Female
Sample_037	1,12864E+04	D2	100,00	42	Male
Sample_038	1,13724E+05	D3	100,00	29	Male
Sample_039	8,14865E+05	D3	96,45	63	Male
Sample_040	2,64702E+04	A2	96,62	37	Male
Sample_041	2,19040E+04	D1	92,99	41	Female
Sample_042	1,19348E+04	D3	99,75	45	Male
Sample_043	2,12315E+04	D3	100,00	49	Female
Sample_044	8,81877E+04	D3	100,00	62	Female

ORIGINAL RESEARCHES

Образец Sample	Вирусная нагрузка ViralLoad	Подтип Subtype	Покрытие Coverage	Возраст Age	Пол Sex
Sample_045	2,76242E+07	B2	100,00	29	Female
Sample_046	3,80091E+06	D1	100,00	37	Male
Sample_047	7,71967E+05	D2	100,00	48	Male
Sample_048	2,44594E+04	D1	100,00	65	Female
Sample_049	3,49326E+04	D1	99,97	56	Male
Sample_050	4,54072E+04	D1	100,00	48	Female
Sample_051	6,87459E+07	D1	100,00	18	Male
Sample_052		D1	100,00	36	Female
Sample_053	1,42338E+06	D2	99,97	35	Male
Sample_054	8,62099E+06	D2	99,87	56	Male
Sample_055	3,52821E+04	D2	100,00	63	Male
Sample_056	2,78753E+04	D1	100,00	44	Male
Sample_057	2,46539E+07	D2	100,00	47	Female
Sample_058	2,08277E+06	D1	100,00	23	Male
Sample_059	9,45708E+05	D1	100,00	46	Female
Sample_060	1,54846E+07	D2	100,00	39	Male
Sample_061	3,99746E+07	D2	100,00	46	Female
Sample_062	3,64983E+05	D1	100,00	31	Female
Sample_063	1,03788E+06	D1	100,00	58	Female
Sample_064	1,55313E+05	D1	100,00	52	Male
Sample_065	3,68329E+07	D2	100,00	39	Female
Sample_066	1,43686E+04	D1	100,00	45	Female
Sample_067	8,81744E+07	D1	94,03	63	Male
Sample_068	2,82749E+05	D1	96,64	32	Male
Sample_069	3,98146E+06	D3	96,64	39	Male
Sample_070	2,78409E+05	D2	91,89	50	Female
Sample_071		D2	88,69	63	Female
Sample_072		D1	100,00	28	Male
Sample_073		D3	100,00	34	Male
Sample_074		D2	67,00	47	Female
Sample_075		D3	100,00	36	Female
Sample_076		D2	100,00	60	Male
Sample_077	7,00601E+05	D1	78,25	45	Female
Sample_078	1,97335E+05	D1	72,00	29	Male
Sample_079		D1	92,02	50	Male
Sample_080		D1	100,00	38	Male
Sample_081	2,24969E+05	D1	96,64	42	Male
Sample_082	1,07905E+04	A1	37,81	33	Female
Sample_083	5,68094E+06	D1	99,72	53	Male
Sample_084	2,64393E+04	D1	69,08	44	Male
Sample_085	2,28390E+04	D2	74,45	51	Male
Sample_086	2,67700E+04	D1	75,17	43	Male
Sample_087	2,37310E+04	D1	37,18	38	Male
Sample_088	1,68496E+05	D2	83,75	62	Male
Sample_089	4,56795E+04	A1	44,06	37	Male
Sample_090	3,00168E+04	D1	85,39	38	Male
Sample_091	1,33707E+05	D3	87,90	46	Female
Sample_092	3,37148E+04	D1	72,06	33	Male
Sample_093	1,61652E+04	D1	96,64	24	Male
Sample_094	3,27726E+04	D1	100,00	46	Female
Sample_095	2,22480E+04	D1	96,64	39	Male
Sample_096	1,97109E+04	E	96,42	40	Female
Sample_097	1,85831E+04	D1	99,97	44	Male
Sample_098	2,15677E+04	D1	96,64	44	Male
Sample_099	2,92609E+04	D1	96,64	18	Female

Образец Sample	Вирусная нагрузка ViralLoad	Подтип Subtype	Покрытие Coverage	Возраст Age	Пол Sex
Sample_100	6,14460E+04	D1	96,45	32	Male
Sample_101	1,22904E+04	D3	100,00	61	Female
Sample_102	1,22883E+06	D1	96,45	53	Male
Sample_103	1,97859E+04	A2	99,94	67	Male
Sample_104		D1	89,66	49	Male
Sample_105		D1	81,27	68	Male
Sample_106		D1	84,04	42	Male
Sample_107	1,07865E+04	A2	83,51	31	Male
Sample_108	1,36472E+04	D2	79,82	36	Male
Sample_109	3,17250E+04	D3	93,09	43	Female
Sample_110	3,25381E+04	D2	89,88	40	Male
Sample_111	4,85010E+04	D1	96,64	47	Male
Sample_112	1,24648E+05	D2	96,64	38	Male
Sample_113	1,55286E+06	D1	91,89	64	Male
Sample_114	2,61491E+05	D3	96,64	48	Female
Sample_115	8,36063E+03	D1	87,27	29	Male
Sample_116	1,31806E+04	A2	88,23	45	Male
Sample_117	1,43785E+04	D3	90,82	30	Female
Sample_118	8,03025E+04	D2	96,64	45	Female
Sample_119	1,86938E+07	D2	96,64	56	Male
Sample_120	2,04103E+07	D2	89,88	74	Male
Sample_121		D3	96,64	63	Female
Sample_122		D2	96,64	45	Female
Sample_123		A2	68,64	48	Male
Sample_124		D2	90,82	70	Female
Sample_125		D3	100,00	28	Female
Sample_126		D2	96,64	38	Female
Sample_127		D1	96,64	41	Female
Sample_128	1,84213E+04	D1	100,00	40	Female
Sample_129	8,47613E+04	D1	100,00	30	Female
Sample_130	2,01135E+05	D2	100,00	50	Female
Sample_131		A2	69,30	63	Male
Sample_132	4,19809E+04	A2	89,07	40	Female
Sample_133		D1	99,63	37	Male
Sample_134	9,63739E+04	D1	100,00	42	Male
Sample_135		D1	100,00	58	Female
Sample_136	1,69408E+04	D2	100,00	47	Male
Sample_137	7,28032E+03	D1	100,00	37	Male
Sample_138	1,20864E+04	D3	97,17	49	Female
Sample_139	2,22634E+03	D2	100,00	49	Male
Sample_140	7,09133E+03	D2	96,64	27	Female
Sample_141	1,27864E+03	D3	91,89	39	Female
Sample_142	5,67391E+04	D3	100,00	38	Male
Sample_143	5,64667E+03	D1	100,00	30	Male
Sample_144	1,35815E+04	D1	96,64	41	Male
Sample_145		D2	100,00	58	Female
Sample_146		D2	100,00	22	Female
Sample_147	3,74394E+05	D1	96,64	37	Male
Sample_148	6,26493E+06	D2	88,34	36	Male
Sample_149	3,60306E+07	D3	100,00	41	Male
Sample_150	1,05760E+04	D1	96,64	32	Female
Sample_151	4,04785E+03	D3	100,00	42	Female
Sample_152	1,77816E+03	D3	96,61	77	Male
Sample_153	3,43905E+03	A2	99,94	29	Female

ORIGINAL RESEARCHES

Образец Sample	Вирусная нагрузка ViralLoad	Подтип Subtype	Покрытие Coverage	Возраст Age	Пол Sex
Sample_154	3,19879E+03	D3	100,00	64	Female
Sample_155	3,28624E+03	D1	96,45	38	Female
Sample_156	4,25271E+04	D3	96,64	68	Female
Sample_157	2,51678E+04	D1	96,64	44	Female
Sample_158	2,85315E+06	D2	100,00	65	Male
Sample_159	4,36101E+07	D3	100,00	52	Female
Sample_160	2,24358E+06	D1	100,00	33	Female
Sample_161	2,70371E+04	D1	100,00	61	Female
Sample_162	1,79221E+04	A2	100,00	49	Male
Sample_163	4,75077E+06	D2	100,00	42	Female
Sample_164	4,51080E+04	D3	93,09	25	Female
Sample_165	1,08887E+04	D2	96,64	45	Male
Sample_166	2,22271E+04	D1	100,00	29	Male
Sample_167	4,67432E+04	D1	96,45	25	Male
Sample_168	1,06485E+05	D1	100,00	49	Male
Sample_169	1,34569E+05	D3	100,00	51	Male
Sample_170	2,61491E+05	D1	100,00	59	Male
Sample_171	1,55286E+06	D1	96,45	46	Female
Sample_172	4,78759E+04	D1	100,00	36	Male
Sample_173	6,22222E+06	A2	96,49	62	Male
Sample_174	2,91241E+04	D2	99,91	52	Female
Sample_175	2,61040E+05	D3	100,00	29	Male
Sample_176	3,48759E+06	D3	100,00	84	Male
Sample_177	3,95072E+04	D2	100,00	36	Male
Sample_178	1,88417E+04	D1	100,00	37	Female
Sample_179	1,31978E+04	D1	100,00	49	Male
Sample_180	2,22968E+04	D1	100,00	28	Male
Sample_181	2,26507E+04	D1	96,64	48	Female
Sample_182	1,41504E+04	D2	100,00	40	Female
Sample_183	5,36898E+03	D1	100,00	56	Female
Sample_184	2,96224E+05	D3	99,97	73	Male
Sample_185		D1	100,00	50	Female
Sample_186		D2	100,00	19	Male
Sample_187	2,37442E+06	D2	99,97	45	Male
Sample_188	2,43742E+06	D1	100,00	64	Female
Sample_189	3,79372E+04	D1	94,15	44	Male
Sample_190	3,79373E+06	D2	100,00	74	Male
Sample_191	1,44308E+04	D3	100,00	39	Male
Sample_192	4,23104E+07	D1	99,75	21	Male
Sample_193	1,12245E+04	A2	99,97	41	Male
Sample_194	1,22366E+04	D1	100,00	37	Female
Sample_195	1,24038E+05	D3	100,00	48	Female
Sample_196	7,30775E+04	A2	100,00	28	Female
Sample_197	1,09331E+07	D1	100,00	41	Male
Sample_198	2,83231E+04	D1	100,00	40	Female
Sample_199	1,19157E+04	D1	100,00	69	Male
Sample_200	7,84285E+03	A2	96,49	53	Female
Sample_201	1,63039E+04	D1	96,64	45	Female
Sample_202	1,46304E+04	D1	96,64	35	Male
Sample_203	8,28656E+04	D2	100,00	63	Female

Образец Sample	Вирусная нагрузка ViralLoad	Подтип Subtype	Покрытие Coverage	Возраст Age	Пол Sex
Sample_204	1,00000E+08	D2	100,00	53	Female
Sample_205	4,33797E+04	D2	100,00	39	Female
Sample_206		D2	99,97	43	Female
Sample_207	1,40099E+04	D1	100,00	57	Female
Sample_208	2,17035E+04	A2	99,44	41	Male
Sample_209	1,76608E+04	A2	100,00	43	Male
Sample_210	1,75477E+04	D1	100,00	73	Female
Sample_211	1,31927E+03	D1	100,00	51	Female
Sample_212	2,96224E+05	D3	96,45	44	Male
Sample_213	1,98612E+03	D1	99,75	38	Male
Sample_214	6,93049E+05	D1	100,00	41	Male
Sample_215	4,24479E+06	D2	100,00	44	Male
Sample_216	2,77376E+04	D2	100,00	70	Female
Sample_217	4,97295E+03	D1	100,00	44	Male
Sample_218	6,97184E+06	D1	100,00	51	Male
Sample_219	3,15112E+03	D3	100,00	32	Male
Sample_220	5,25434E+05	D3	100,00	71	Female
Sample_221	1,19158E+04	D1	100,00	69	Male
Sample_222	2,38806E+05	A2	100,00	40	Female
Sample_223	1,09497E+04	A2	100,00	33	Male
Sample_224	5,85924E+03	A2	100,00	60	Male
Sample_225	1,86876E+04	D1	96,45	41	Male
Sample_226	3,48367E+04	A2	100,00	37	Male
Sample_227	6,80938E+03	D2	100,00	66	Female
Sample_228	1,74847E+04	D1	100,00	48	Female
Sample_229	1,85100E+03	D1	100,00	34	Female
Sample_230	2,37942E+04	D3	99,94	76	Female
Sample_231	7,81547E+03	D1	100,00	66	Female
Sample_232	1,48730E+04	D2	99,75	38	Male
Sample_233	1,65566E+03	D1	100,00	44	Male
Sample_234	1,25745E+03	D2	100,00	36	Female
Sample_235	6,46304E+03	D2	100,00	78	Male
Sample_236	1,68132E+04	D2	99,75	42	Male
Sample_237	5,43246E+04	D1	100,00	23	Male
Sample_238	5,55726E+03	D2	100,00	21	Female
Sample_239	1,83925E+03	D3	100,00	39	Male
Sample_240	6,72631E+03	D2	99,97	36	Female
Sample_241	1,05884E+05	D1	100,00	44	Male
Sample_242	5,08977E+03	D2	99,72	28	Female
Sample_243	2,78274E+03	D1	99,75	62	Male
Sample_244	8,37819E+04	D1	99,97	66	Female
Sample_245	2,03034E+03	D1	100,00	49	Male
Sample_246	6,33919E+03	D1	99,65	46	Male

Таблица S2. Последовательности праймеров, номера пулов и концентрации в смеси ПЦР. Нуклеотидные последовательности, отжигающиеся на ДНК ВГВ, подчеркнуты

Table S2. Primer sequences, pool numbers and concentrations in PCR mix. Nucleotide sequences annealing to HBV DNA are underlined

Праймер Primer	Нуклеотидная последовательность Sequence	Пул Pool	Концентрация в ПЦР-смеси, нМ Concentration in PCR mix (nM)
HBV-F1	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>CTGGTGGCTCCAGTTCAG</u>	1	80
HBV-R1	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>GAGGACAACAGGTTGGTGAG</u>	1	80
HBV-F3	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>CCCCGTTTGCCTCTAATTC</u>	1	40
HBV-R3	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>CCAGACAGTGGGGGAAAG</u>	1	40
HBV-F5	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>CAAAAAACAAAAAGATGGGG</u>	1	60
HBV-R5-2	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>GAAAGGCCTTGTAAAGTTGGCGA</u>	1	60
HBV-R5-3	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>GAAAGGCCTTATACGTTGGCGA</u>	1	60
HBV-F7	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>CTNTGCCAAGTGTGTTGCTGA</u>	1	80
HBV-R7	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>GCGMAGGATCCAGTTGGC</u>	1	80
HBV-F9	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>GGGCGCACCTCTCTTTAC</u>	1	60
HBV-R9	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>AAGTATGCCTCAAGGTCGG</u>	1	60
HBV-F11	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>GGAGGCTGTAGGCATAAATTG</u>	1	100
HBV-R11-2	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>CAAAAAACGAGAGTAACTCCACAG</u>	1	100
HBV-R11-3	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>GGCAAAAAAGAGAACAATTCCACAG</u>	1	100
HBV-F13	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>TGGGTGGGAAGTAATTTGG</u>	1	400
HBV-R13	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>GAGGGAGTCTCTCTTAGGG</u>	1	400
HBV-F15	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>CAATCGCCGCTCGCAGA</u>	1	200
HBV-R15-2	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>CCCTTATCCAATGGTAAATATTTNGT</u>	1	200
HBV-R15-3	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>TTTCTCTAGGGGCAAATATTTNGT</u>	1	200
HBV-R15-4	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>GATACCTTTGTCTAATGGTAAATATTTNGT</u>	1	200
HBV-F17-1	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>CTATTTACACACTCTATGGAAGGC</u>	1	40
HBV-F17-2	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>CAATTTTACATACTCTTTGGAAGGC</u>	1	40
HBV-F17-3	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>ATTTACACACCCTATGGAAGGC</u>	1	40
HBV-R17-1	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>TTCGGGAAAGAATCCCAGAGG</u>	1	40
HBV-R17-2	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>GCGGAACACATCCCAGAGG</u>	1	40
HBV-F19-1	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>CGCAAATCCAGATTGGGAC</u>	1	80
HBV-F19-2	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>GCAGTCCCGACTGGGAC</u>	1	80
HBV-R19-1	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>ATCTTGCAGAGTTTGGTGGAA</u>	1	80
HBV-R19-2	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>ATCTAGCAGAGCTTGATGAAA</u>	1	80
HBV-F2	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>CACAGAGTCTAGACTCGTGGTG</u>	2	80
HBV-R2-2	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>GCGAGGTTCTGCATGGTCC</u>	2	80
HBV-R2-3	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>AGGTTCCGGCAGGGTCC</u>	2	80
HBV-F4	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>CCATTTGTTCAAGTGGTTCGTAG</u>	2	160
HBV-R4	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>ATCAATAGGCCTGTTACAGGAAG</u>	2	160
HBV-F6	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>GAAAGTATGTCAAAGAATTGTGGG</u>	2	80
HBV-R6	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>CAGTATGGATCGGCAGAGG</u>	2	80
HBV-F8	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>TCCTAGCCGCTTGTTTTG</u>	2	200
HBV-R8	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>GTCGGCAGATGAGAAGG</u>	2	200
HBV-F10	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>CATAAGAGGACTCTTGGACTTTCAG</u>	2	400
HBV-R10	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>TCACAGCTTGGAGGCTTGAA</u>	2	400
HBV-F12	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>ATTGACCCGTATAAAGAATTTGG</u>	2	160
HBV-R12-1	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>TCCTGAACTTTAGGCCCATATTAGT</u>	2	160
HBV-R12-2	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>GCCCTGATTTTAAACCCATATTAGT</u>	2	160
HBV-F14	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>GAGTGTGGATTCCGAC</u>	2	80
HBV-R14	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG <u>CCCACCTTATGAGTCCAAGG</u>	2	80
HBV-F16-1	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>AAAAAGAAGATTGCAATTGATTATGCC</u>	2	100
HBV-F16-2	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG <u>AAAGAAGATTAACCTTAGTCATGCC</u>	2	100

Праймер Primer	Нуклеотидная последовательность Sequence	Пул Pool	Концентрация в ПЦР-смеси, нМ Concentration in PCR mix (nM)
HBV-R16-1	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAGAGATCTTGTGCCAAGAATATGG	2	100
HBV-R16-2	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAGTCGTGTTCCCGAGAATAAGG	2	100
HBV-F18	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAGTGAACAAGATCTACAGCATGGG	2	40
HBV-R18-1	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAGTATTGGTGGAGGCAGGAGG	2	40
HBV-R18-2	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAGCGATTGGTAGAAGCAGGAGG	2	40
HBV-F20	TCGTCGGCAGCGTCAGATGTGTATAAGAGACAGCCTCAGGCCATGCAGTGG	2	40
HBV-R20	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAGAACACGAGMAGGGGTCCTAG	2	40
Index 1 (i7) adapters	CAAGCAGAAGACGGCATAACGAGAT[i7]GTCTCGTGGGCTCGG		
Index 2 (i5) adapters	AATGATACGGCGACCACCGAGATCTACAC[i5]TCGTCGGCAGCGTC		

Список S1. 199 референсных геномов ВГВ, использованных для построения филогенетического дерева
List S1. 199 HBV reference genomes used to construct the phylogenetic tree

EU859940, EU594390, EU594392, EU594391, EU594394, EU594395, EU594393, EU859912, AB126580, KT749850, AJ309369, JQ707555, JQ707554, JQ707597, JQ707585, JQ707577, AB775200, KJ843217, EU594389, GU563553, OK143482, JQ707674, JQ707643, JQ707638, OK143484, OK143483, OK143495, OK143478, OK143498, GQ477487, GQ477499, OK143492, OK143477, MZ043094, MZ043072, JQ707398, JQ707375, JQ707318, OM304326, FM199980, FM199979, KU736919, KF922408, AY233290, KP168428, KP168431, AY934771, KR905427, KU736920, KF922428, OK143467, MZ097632, MZ097793, JN664914, KC875316, GQ922001, JN664913, MZ097794, MK598660, MZ097737, AB205127, OK998520, MK598667, EU594431, EU594416, MK618426, MK598673, MK618435, MK618434, JQ707682, JQ707692, MK618424, KT366496, KT366495, MK598664, MW601336, MW601329, MW601282, KT963508, MZ097824, GU456641, MK618431, GU456652, JN040821, KX196227, MK618428, MK598645, KF471645, JN040769, EF103280, KF471650, MW601252, JN040783, MK598646, JN040788, MK598637, JF754619, OM304323, HQ833467, GQ183463, MW845311, KU234318, MZ675802, KM213034, KY881788, KY881869, KC774397, EU939671, GU815672, KU963811, KY470960, KU963974, GQ377588, EU306701, GU434372, DQ975271, KU963957, GQ924627, KJ173366, MG571322, JX869998, JX504538, KU964093, DQ448626, KC774408, MG571374, FJ386584, KC510654, KY881828, KY881827, KY881841, KP148343, KJ173355, KU963818, KY881858, KY881859, AY596102, GU815713, GU815686, GU815779, GU815777, GU815769, MT622522, JQ027312, AB900105, KP148378, KP148414, KP148438, MK534634, KP148455, GQ161781, GQ161829, GQ161764, GQ161755, EU239224, GQ161785, KU736895, KU736896, AM494694, GQ161820, KU736894, GQ161773, MW455161, MH580626, FN545841, MH580640, KU736912, KU736906, KU736909, KU736901, MW455163, HM363591, HM363590, HM363604, MT426115, HM363593, HM363601, FN594756, HM363575, MH580638, MH580632, MH580631, MH580633, KF922438, KF922439, KT192626, KF849715, KF849727, DQ060823, KF849728, KF849724, KM606738, AB201289, AB201288, MW926564, MW926556, GQ161783, MW926555, MW926554, GQ161775