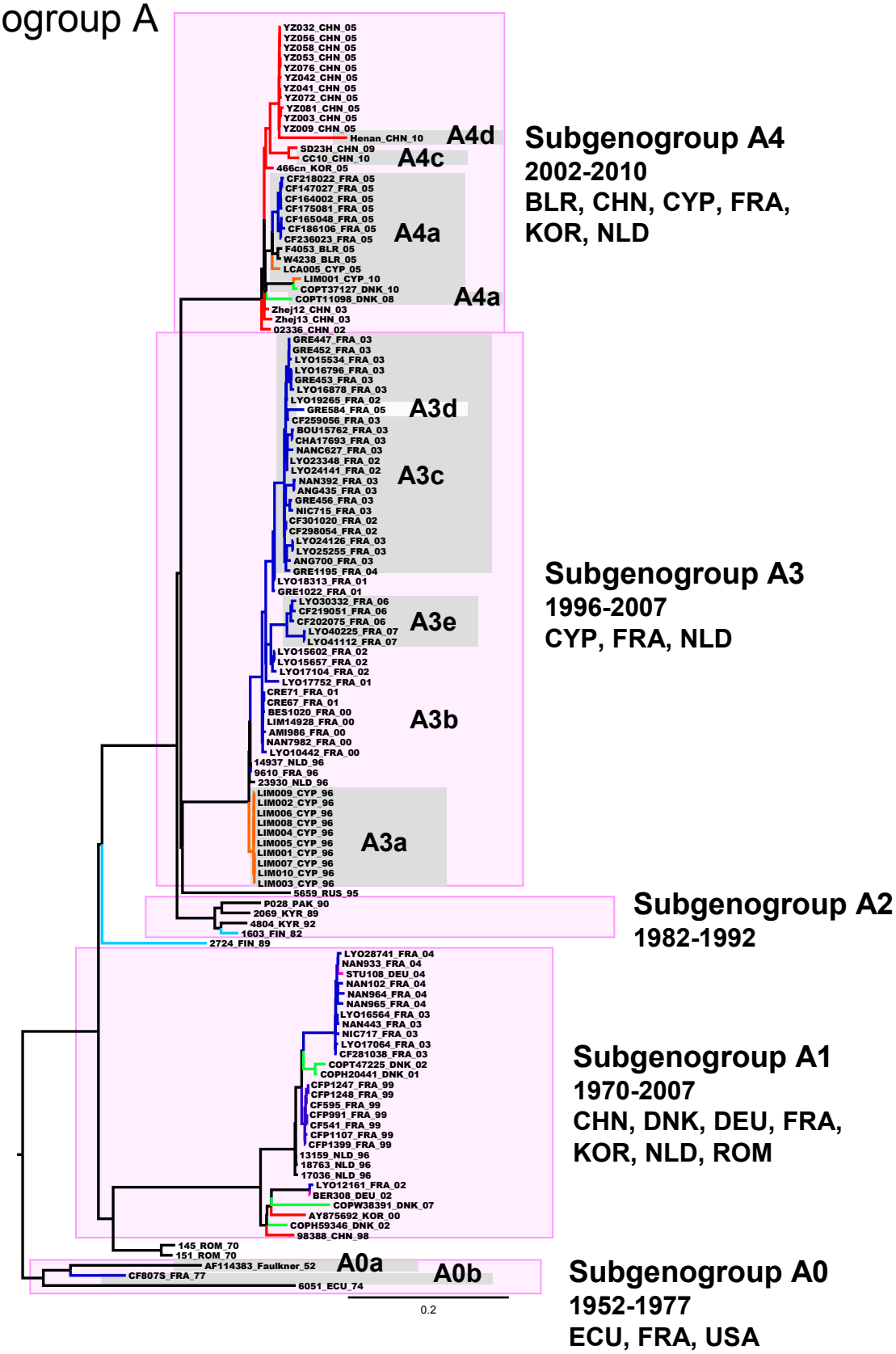
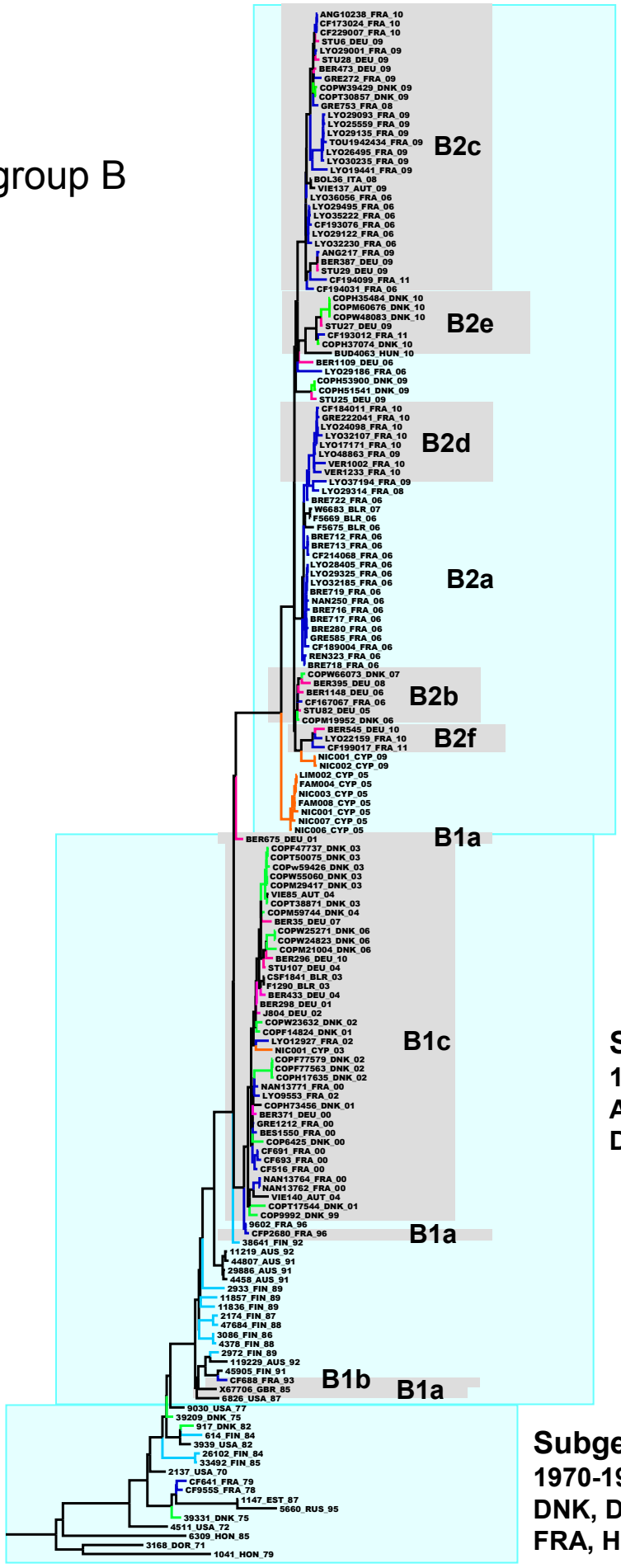
Figure S1

(A) CVB5 genogroup A



(B) CVB5 genogroup B



Subgenogroup B2
2005-2011
AUT, CYP, DEU, DNK, FRA, ITA, HUN

Subgenogroup B1
1985-2010
AUS, AUT, BLR, CYP, DEU, DNK, GBR, FRA

Subgenogroup B0
1970-1995
DNK, DOR, EST, FIN, FRA, HON, RUS, USA

FIG S1 Phylogenetic tree inferred with the CVB5 1DVP1 gene, labeled with virus strains designations.
(A) MCC tree showing the phylogram corresponding to the genealogy of the CVB5 genogroup A. The topology shown is the maximum clade credibility (MCC) tree reconstructed with the 1DVP1 gene sequences (849 nt) and generated by the Markov chain Monte Carlo (MCMC) procedure implemented in the software program BEAST (**34**).The branches are drawn to the indicated scale (nt substitutions per site). Consistent nodes arelabeled for the main lineages with asterisks indicating posterior probabilities >0.9. Bootstrapvalues estimated in a maximum likelihood analysis (not shown) are also indicated: full circlesindicate bootstrap values >0.9 and open circles indicate bootstrap values ranging between 0.8and 0.9. The temporal samplings of the CVB5 strains are indicated for each subgenogroup onthe MCC tree. Colors (see Fig. 1) show the locations where it was sampled. **(B)** MCC tree showing the phylogram corresponding to the genealogy of the CVB5 genogroup B. See the legend to figure S1A for other information.

Figure S2

(A)

Tissue origin of virus isolates, abbreviations used (number of specimens):

Feces, F (n = 102)
Cerebrospinal fluid, CSF (n = 54)
Throat, TH (n = 38)
Nasopharyngeal aspirate, NPA (n = 11)
Nasal swab, NS (n = 1)
Bronchial aspirate, BA (n = 3)
Bronchoalveolar fluid, BAF (n = 1)
Expectoration fluid, EF (n = 1)
Respiratory specimen, RS (n = 1)
Vesicular fluid, VF (n = 1)
Unknown origin, (n = 7)

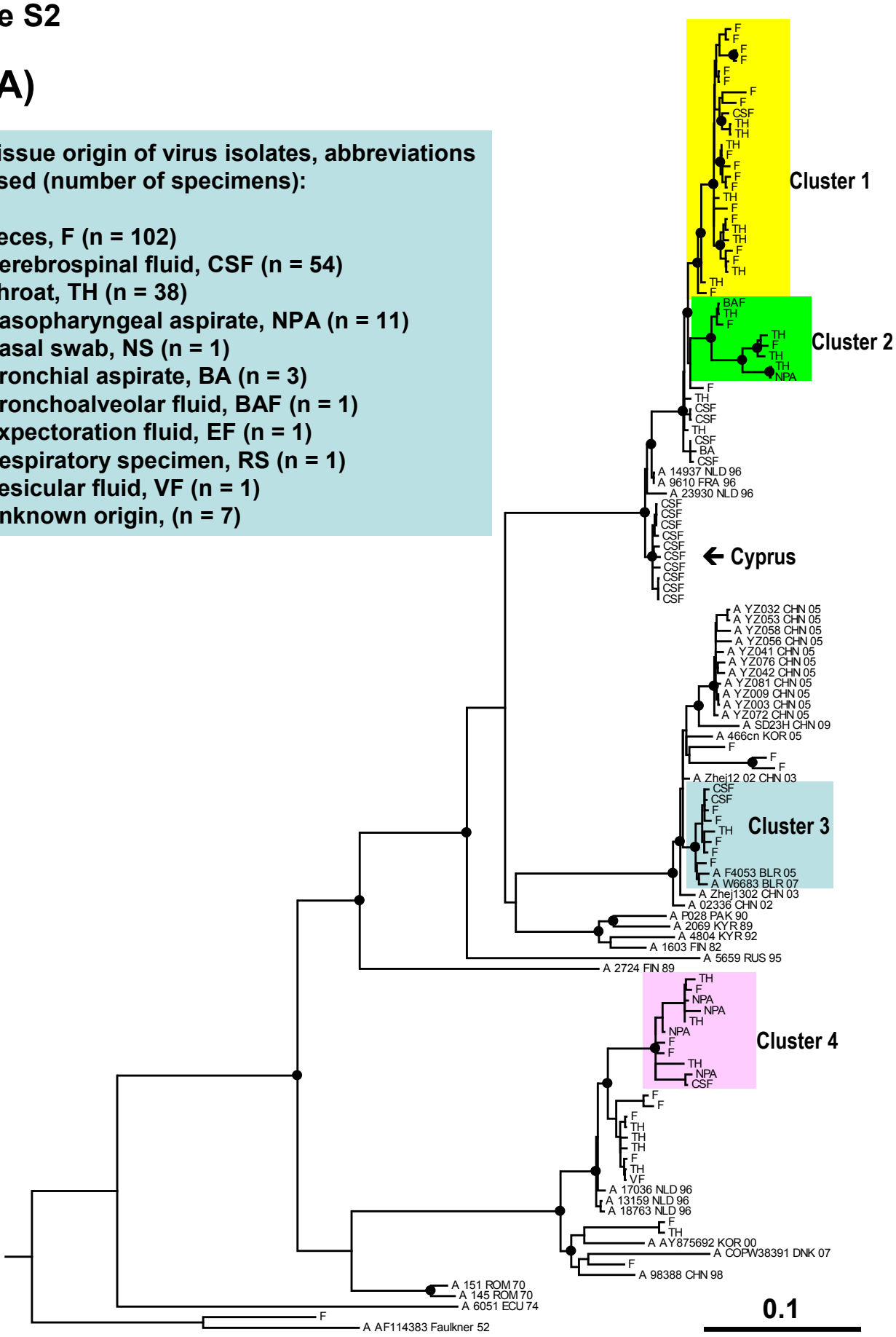


Figure S2

(B)

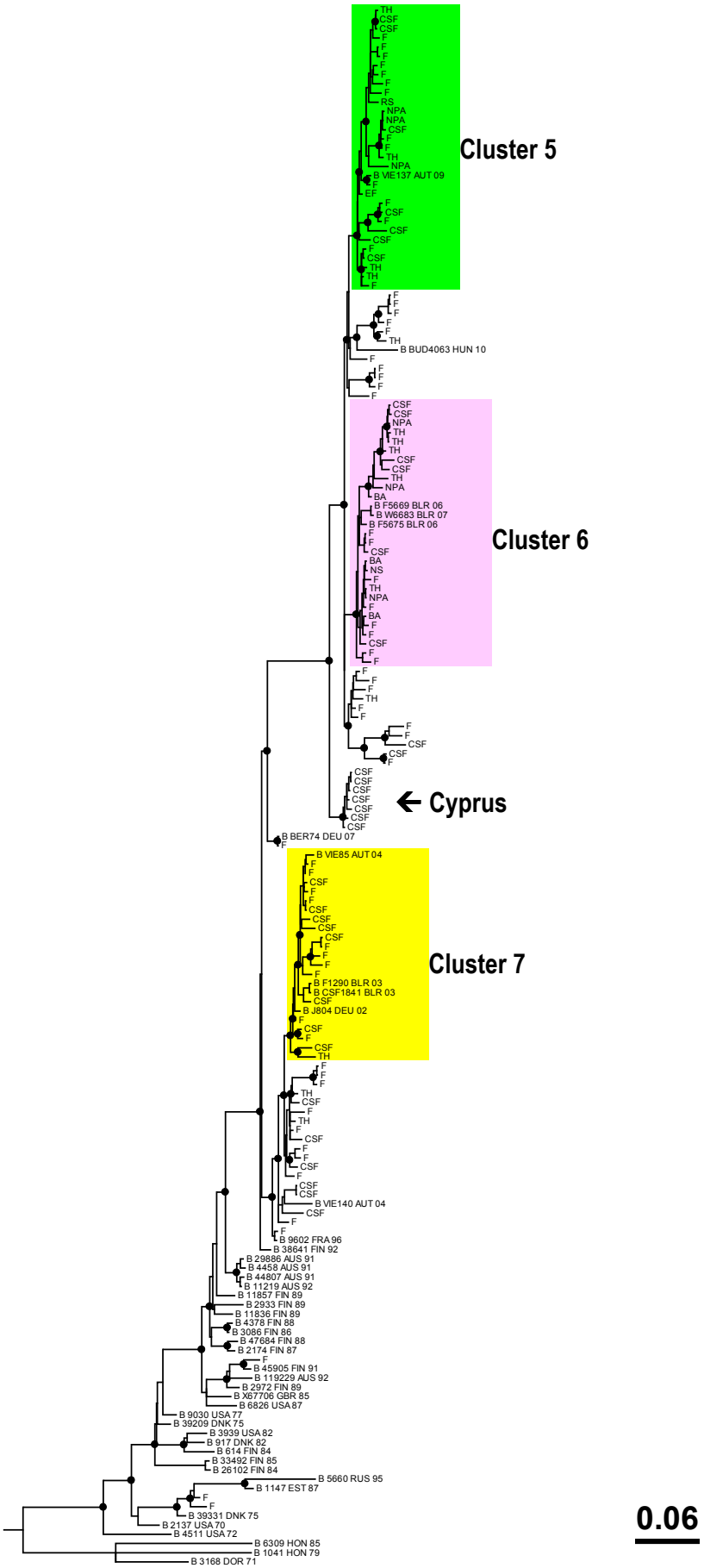

Cluster 5
Cluster 6
Cluster 7
Cyprus
B BUD4063 HUN 10
B VIE137 AUT 09
B BER74 DEU 07
B VIE85 AUT 04
B F1290 BLR 03
B CSF1841 BLR 03
B J804 DEU 02
B VIE140 AUT 04
B 9602 FRA 96
B 38641 FIN 92
B 29886 AUS 91
B 4458 AUS 91
B 44807 AUS 91
B 11219 AUS 92
B 11857 FIN 89
B 2933 FIN 89
B 11836 FIN 89
B 4378 FIN 88
B 3086 FIN 86
B 47684 FIN 88
B 2174 FIN 87
B 45905 FIN 91
B 119229 AUS 92
B 2972 FIN 89
B X67706 GBR 85
B 6826 USA 87
B 9030 USA 77
B 39209 DNK 75
B 3939 USA 82
B 917 DNK 82
B 614 FIN 84
B 33492 FIN 85
B 26102 FIN 84
B 5660 RUS 95
B 1147 EST 87
B 39331 DNK 75
B 2137 USA 70
B 4511 USA 72
B 6309 HON 85
B 1041 HON 79
B 3168 DOR 71
0.06

FIG S2 Distibution of clinical samples in the phylogenetic tree inferred with the CVB5 1DVP1 gene.

Each virus sequence is represented by its tissue origin (see caption table). **(A)** MCC tree showing the phylogram corresponding to the genealogy of the CVB5 genogroup A. The topology shown is the maximum clade credibility (MCC) tree reconstructed with the 1DVP1 gene sequences (849 nt) and generated by the Markov chain Monte Carlo (MCMC) procedure implemented in the software program BEAST (**34**). Samples are explicitly dated on the x-axis. The genealogy is represented so that lineages that leave more descendants are placed upward. This sorting places the trunk along a raw diagonal. Consistent nodes are labeled for the main lineages with full circles indicating posterior probabilities >0.9. **(B)** MCC tree showing the phylogram corresponding to the genealogy of the CVB5 genogroup B. See the legend to figure S2A for other information.

TABLE S1 Sequences of human coxsackievirus B5 strains sampled in European countries used in this study

Strain name	Isolation source	Country	Geographic area	Collection date	Gene	Peptide	Function	Length (nt)	Accession number
CF641_FRA_79	Feces	France	Clermont-Ferrand	1979	1D	VP1	Capsid protein	849	HF948115
CF991P_FRA_99	Throat	France	Clermont-Ferrand	1999	1D	VP1	Capsid protein	849	HF948116
CF1247P_FRA_99	Throat	France	Clermont-Ferrand	1999	1D	VP1	Capsid protein	849	HF948117
CF1248P_FRA_99	Vesicular fluid	France	Clermont-Ferrand	1999	1D	VP1	Capsid protein	849	HF948118
CF1399P_FRA_99	Throat	France	Clermont-Ferrand	1999	1D	VP1	Capsid protein	849	HF948119
CF541_FRA_99	Feces	France	Clermont-Ferrand	1999	1D	VP1	Capsid protein	849	HF948120
CF595_FRA_99	Feces	France	Clermont-Ferrand	1999	1D	VP1	Capsid protein	849	HF948121
CF691_FRA_00	Feces	France	Clermont-Ferrand	2000	1D	VP1	Capsid protein	849	HF948122
CF693_FRA_00	Feces	France	Clermont-Ferrand	2000	1D	VP1	Capsid protein	849	HF948123
CF298054_FRA_02	Feces	France	Clermont-Ferrand	2002	1D	VP1	Capsid protein	849	HF948124
CF301020_FRA_02	Feces	France	Clermont-Ferrand	2002	1D	VP1	Capsid protein	849	HF948125
CF259056_FRA_03	Feces	France	Clermont-Ferrand	2003	1D	VP1	Capsid protein	849	HF948126
CF281038_FRA_03	Throat	France	Clermont-Ferrand	2003	1D	VP1	Capsid protein	849	HF948127
CF218022CSF_FRA_05	Cerebrospinal fluid	France	Clermont-Ferrand	2005	1D	VP1	Capsid protein	849	HF948128
CF175089CSF_FRA_05	Cerebrospinal fluid	France	Clermont-Ferrand	2005	1D	VP1	Capsid protein	849	HF948129
CF164002_FRA_05	Feces	France	Clermont-Ferrand	2005	1D	VP1	Capsid protein	849	HF948130
CF165048_FRA_05	Feces	France	Clermont-Ferrand	2005	1D	VP1	Capsid protein	849	HF948131
CF186106_FRA_05	Throat	France	Clermont-Ferrand	2005	1D	VP1	Capsid protein	849	HF948132
CF216024CSF_FRA_06	Cerebrospinal fluid	France	Clermont-Ferrand	2006	1D	VP1	Capsid protein	849	HF948133
CF194031CSF_FRA_06	Cerebrospinal fluid	France	Clermont-Ferrand	2006	1D	VP1	Capsid protein	849	HF948134
CF193076CSF_FRA_06	Cerebrospinal fluid	France	Clermont-Ferrand	2006	1D	VP1	Capsid protein	849	HF948135
CF189004CSF_FRA_06	Cerebrospinal fluid	France	Clermont-Ferrand	2006	1D	VP1	Capsid protein	849	HF948136
CF173024CSF_FRA_10	Cerebrospinal fluid	France	Clermont-Ferrand	2010	1D	VP1	Capsid protein	849	HF948137
CF184011CSF_FRA_10	Cerebrospinal fluid	France	Clermont-Ferrand	2010	1D	VP1	Capsid protein	849	HF948138
CF229007_FRA_10	Throat	France	Clermont-Ferrand	2010	1D	VP1	Capsid protein	849	HF948139
CF193012_FRA_11	Throat	France	Clermont-Ferrand	2011	1D	VP1	Capsid protein	849	HF948140
VER1233_FRA_10	Cerebrospinal fluid	France	Versailles	2010	1D	VP1	Capsid protein	849	HF948141
LYO10442_FRA_00	Bronchial aspiration	France	Lyon	2000	1D	VP1	Capsid protein	849	HF948142
NAN13764_FRA_00	Cerebrospinal fluid	France	Nancy	2000	1D	VP1	Capsid protein	849	HF948143
NAN13762_FRA_00	Cerebrospinal fluid	France	Nancy	2000	1D	VP1	Capsid protein	849	HF948144
NAN13771_FRA_00	Cerebrospinal fluid	France	Nancy	2000	1D	VP1	Capsid protein	849	HF948145
LIM14928_FRA_00	Cerebrospinal fluid	France	Limoge	2000	1D	VP1	Capsid protein	849	HF948146
AMI986_FRA_00	Throat	France	Amiens	2000	1D	VP1	Capsid protein	849	HF948147
GRE1212_FRA_00	Feces	France	Grenoble	2000	1D	VP1	Capsid protein	849	HF948148
BES1550_FRA_00	Throat	France	Besançon	2000	1D	VP1	Capsid protein	849	HF948149
LYO17752_FRA_01	Feces	France	Lyon	2001	1D	VP1	Capsid protein	849	HF948150
LYO18313_FRA_01	Throat	France	Lyon	2001	1D	VP1	Capsid protein	849	HF948151
CRE67_FRA_01	Cerebrospinal fluid	France	Créteil	2001	1D	VP1	Capsid protein	849	HF948152
CRE71_FRA_01	Cerebrospinal fluid	France	Créteil	2001	1D	VP1	Capsid protein	849	HF948153
LYO9553_FRA_02	Throat	France	Lyon	2002	1D	VP1	Capsid protein	849	HF948154
LYO12161_FRA_02	Throat	France	Lyon	2002	1D	VP1	Capsid protein	849	HF948155

LYO12927_FRA_02	Throat	France	Lyon	2002	1D	VP1	Capsid protein	849	HF948156
LYO15602_FRA_02	Throat	France	Lyon	2002	1D	VP1	Capsid protein	849	HF948157
LYO15657_FRA_02	Bronchoalveolar fluid	France	Lyon	2002	1D	VP1	Capsid protein	849	HF948158
LYO19265_FRA_02	Throat	France	Lyon	2002	1D	VP1	Capsid protein	849	HF948159
LYO23348_FRA_02	Throat	France	Lyon	2002	1D	VP1	Capsid protein	849	HF948160
LYO24141_FRA_02	Feces	France	Lyon	2002	1D	VP1	Capsid protein	849	HF948161
LYO15534_FRA_03	Throat	France	Lyon	2003	1D	VP1	Capsid protein	849	HF948162
BOU15762_FRA_03	Feces	France	Bourg-en-Bresse	2003	1D	VP1	Capsid protein	849	HF948163
LYO16564_FRA_03	Feces	France	Lyon	2003	1D	VP1	Capsid protein	849	HF948164
LYO16796_FRA_03	Throat	France	Lyon	2003	1D	VP1	Capsid protein	849	HF948165
LYO16878_FRA_03	Feces	France	Lyon	2003	1D	VP1	Capsid protein	849	HF948166
LYO17064_FRA_03	Throat	France	Lyon	2003	1D	VP1	Capsid protein	849	HF948167
CHA17693_FRA_03	Feces	France	Chambéry	2003	1D	VP1	Capsid protein	849	HF948168
LYO24126_FRA_03	Throat	France	Lyon	2003	1D	VP1	Capsid protein	849	HF948169
LYO25255_FRA_03	Throat	France	Lyon	2003	1D	VP1	Capsid protein	849	HF948170
NAN392_FRA_03	Feces	France	Nancy	2003	1D	VP1	Capsid protein	849	HF948171
NAN443_FRA_03	Feces	France	Nancy	2003	1D	VP1	Capsid protein	849	HF948172
GRE447_FRA_03	Throat	France	Grenoble	2003	1D	VP1	Capsid protein	849	HF948173
GRE452_FRA_03	Feces	France	Grenoble	2003	1D	VP1	Capsid protein	849	HF948174
GRE453_FRA_03	Feces	France	Grenoble	2003	1D	VP1	Capsid protein	849	HF948175
GRE456_FRA_03	Feces	France	Grenoble	2003	1D	VP1	Capsid protein	849	HF948176
NANC627_FRA_03	Feces	France	Nancy	2003	1D	VP1	Capsid protein	849	HF948177
NIC715_FRA_03	Feces	France	Nice	2003	1D	VP1	Capsid protein	849	HF948178
NIC717_FRA_03	Nasopharyngeal aspirate	France	Nice	2003	1D	VP1	Capsid protein	849	HF948179
LYO28741_FRA_04	Throat	France	Lyon	2004	1D	VP1	Capsid protein	849	HF948180
NAN102_FRA_04	Cerebrospinal fluid	France	Nancy	2004	1D	VP1	Capsid protein	849	HF948181
NAN933_FRA_04	Nasopharyngeal aspirate	France	Nancy	2004	1D	VP1	Capsid protein	849	HF948182
NAN964_FRA_04	Nasopharyngeal aspirate	France	Nancy	2004	1D	VP1	Capsid protein	849	HF948183
NAN965_FRA_04	Nasopharyngeal aspirate	France	Nancy	2004	1D	VP1	Capsid protein	849	HF948184
GRE1195_FRA_04	Feces	France	Grenoble	2004	1D	VP1	Capsid protein	849	HF948185
LYO28405_FRA_06	Throat	France	Lyon	2006	1D	VP1	Capsid protein	849	HF948186
LYO29122_FRA_06	Throat	France	Lyon	2006	1D	VP1	Capsid protein	849	HF948187
LYO29186_FRA_06	Feces	France	Lyon	2006	1D	VP1	Capsid protein	849	HF948188
LYO29325_FRA_06	Nasopharyngeal aspirate	France	Lyon	2006	1D	VP1	Capsid protein	849	HF948189
LYO29495_FRA_06	Throat	France	Lyon	2006	1D	VP1	Capsid protein	849	HF948190
LYO30332_FRA_06	Feces	France	Lyon	2006	1D	VP1	Capsid protein	849	HF948191
LYO32185_FRA_06	Feces	France	Lyon	2006	1D	VP1	Capsid protein	849	HF948192
LYO35222_FRA_06	Feces	France	Lyon	2006	1D	VP1	Capsid protein	849	HF948193
LYO36056_FRA_06	Expectoration fluid	France	Lyon	2006	1D	VP1	Capsid protein	849	HF948194
NAN250_FRA_06	Nasal swab	France	Nancy	2006	1D	VP1	Capsid protein	849	HF948195
BRE280_FRA_06	Bronchial aspirate	France	Brest	2006	1D	VP1	Capsid protein	849	HF948196
REN323_FRA_06	Feces	France	Rennes	2006	1D	VP1	Capsid protein	849	HF948197
GRE585_FRA_06	Feces	France	Grenoble	2006	1D	VP1	Capsid protein	849	HF948198
BRE713_FRA_06	Feces	France	Brest	2006	1D	VP1	Capsid protein	849	HF948199

BRE717_FRA_06	Feces	France	Brest	2006	1D	VP1	Capsid protein	849	HF948200
BRE719_FRA_06	Bronchial aspirate	France	Brest	2006	1D	VP1	Capsid protein	849	HF948201
LYO41112_FRA_07	Throat	France	Lyon	2007	1D	VP1	Capsid protein	849	HF948202
GRE753_FRA_08	Respiratory specimen	France	Grenoble	2008	1D	VP1	Capsid protein	849	HF948203
LYO19441_FRA_09	Nasopharyngeal aspirate	France	Lyon	2009	1D	VP1	Capsid protein	849	HF948204
LYO25559_FRA_09	Nasopharyngeal aspirate	France	Lyon	2009	1D	VP1	Capsid protein	849	HF948205
LYO26495_FRA_09	Nasopharyngeal aspirate	France	Lyon	2009	1D	VP1	Capsid protein	849	HF948206
LYO29001_FRA_09	Feces	France	Lyon	2009	1D	VP1	Capsid protein	849	HF948207
LYO29093_FRA_09	Throat	France	Lyon	2009	1D	VP1	Capsid protein	849	HF948208
LYO29135_FRA_09	Feces	France	Lyon	2009	1D	VP1	Capsid protein	849	HF948209
LYO30235_FRA_09	Feces	France	Lyon	2009	1D	VP1	Capsid protein	849	HF948210
LYO48863_FRA_09	Throat	France	Lyon	2009	1D	VP1	Capsid protein	849	HF948211
ANG217_FRA_09	Cerebrospinal fluid	France	Anger	2009	1D	VP1	Capsid protein	849	HF948212
GRE272_FRA_09	Feces	France	Grenoble	2009	1D	VP1	Capsid protein	849	HF948213
LYO17171_FRA_10	Throat	France	Lyon	2010	1D	VP1	Capsid protein	849	HF948214
LYO24098_FRA_10	Nasopharyngeal aspirate	France	Lyon	2010	1D	VP1	Capsid protein	849	HF948215
LYO32107_FRA_10	Throat	France	Lyon	2010	1D	VP1	Capsid protein	849	HF948216
ANG10238_FRA_10	Cerebrospinal fluid	France	Anger	2010	1D	VP1	Capsid protein	849	HF948217
FRAO371_DEU_00	Feces	Germany	Frankfurt/O	2000	1D	VP1	Capsid protein	849	HF948218
LUDW298_DEU_01	Feces	Germany	Ludwigsfelde	2001	1D	VP1	Capsid protein	849	HF948219
NORD433_DEU_04	Cerebrospinal fluid	Germany	Nordhorn	2004	1D	VP1	Capsid protein	849	HF948220
ERLA1148_DEU_06	Feces	Germany	Erlangen	2006	1D	VP1	Capsid protein	849	HF948221
MAGD35_DEU_07	Cerebrospinal fluid	Germany	Magdeburg	2007	1D	VP1	Capsid protein	849	HF948222
ULM387_DEU_09	Feces	Germany	Ulm	2009	1D	VP1	Capsid protein	849	HF948223
FRAO473_DEU_09	Feces	Germany	Frankfurt/O	2009	1D	VP1	Capsid protein	849	HF948224
NEUB545_DEU_10	Feces	Germany	Neubrandenburg	2010	1D	VP1	Capsid protein	849	HF948225
LIM001_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	1D	VP1	Capsid protein	849	HF948226
LIM002_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	1D	VP1	Capsid protein	849	HF948227
LIM003_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	1D	VP1	Capsid protein	849	HF948228
LIM004_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	1D	VP1	Capsid protein	849	HF948229
LIM005_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	1D	VP1	Capsid protein	849	HF948230
LIM006_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	1D	VP1	Capsid protein	849	HF948231
LIM007_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	1D	VP1	Capsid protein	849	HF948232
LIM008_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	1D	VP1	Capsid protein	849	HF948233
LIM009_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	1D	VP1	Capsid protein	849	HF948234
LIM010_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	1D	VP1	Capsid protein	849	HF948235
NIC001_CYP_03	Cerebrospinal fluid	Cyprus	Nicosia	2003	1D	VP1	Capsid protein	849	HF948236
NIC001_CYP_05	Cerebrospinal fluid	Cyprus	Nicosia	2005	1D	VP1	Capsid protein	849	HF948237
LIM002_CYP_05	Cerebrospinal fluid	Cyprus	Limassol	2005	1D	VP1	Capsid protein	849	HF948238
NIC003_CYP_05	Cerebrospinal fluid	Cyprus	Nicosia	2005	1D	VP1	Capsid protein	849	HF948239
FAM004_CYP_05	Cerebrospinal fluid	Cyprus	Famagusta	2005	1D	VP1	Capsid protein	849	HF948240
LARN005_CYP_05	Feces	Cyprus	Larnaca	2005	1D	VP1	Capsid protein	849	HF948241
NIC006_CYP_05	Cerebrospinal fluid	Cyprus	Nicosia	2005	1D	VP1	Capsid protein	849	HF948242
NIC007_CYP_05	Cerebrospinal fluid	Cyprus	Nicosia	2005	1D	VP1	Capsid protein	849	HF948243

FAM008_CYP_05	Cerebrospinal fluid	Cyprus	Famagusta	2005	1D	VP1	Capsid protein	849	HF948244
NIC001_CYP_09	Feces	Cyprus	Nicosia	2009	1D	VP1	Capsid protein	849	HF948245
NIC002_CYP_09	Cerebrospinal fluid	Cyprus	Nicosia	2009	1D	VP1	Capsid protein	849	HF948246
LIM001_CYP_10	Feces	Cyprus	Limassol	2010	1D	VP1	Capsid protein	849	HF948247
COPH35484_DNK_10	Feces	Denmark	Copenhagen	2010	1D	VP1	Capsid protein	849	HF948248
COPH37074_DNK_10	Feces	Denmark	Copenhagen	2010	1D	VP1	Capsid protein	849	HF948249
COPM60676_DNK_10	Feces	Denmark	Copenhagen	2010	1D	VP1	Capsid protein	849	HF948250
COPW39429_DNK_09	Feces	Denmark	Copenhagen	2009	1D	VP1	Capsid protein	849	HF948251
COPH51541_DNK_09	Feces	Denmark	Copenhagen	2009	1D	VP1	Capsid protein	849	HF948252
COPH53900_DNK_09	Feces	Denmark	Copenhagen	2009	1D	VP1	Capsid protein	849	HF948253
COPW66073_DNK_07	Feces	Denmark	Copenhagen	2007	1D	VP1	Capsid protein	849	HF948254
COPM21004_DNK_06	Feces	Denmark	Copenhagen	2006	1D	VP1	Capsid protein	849	HF948255
COPW25271_DNK_06	Feces	Denmark	Copenhagen	2006	1D	VP1	Capsid protein	849	HF948256
COPM19952_DNK_06	Feces	Denmark	Copenhagen	2006	1D	VP1	Capsid protein	849	HF948257
COPW24823_DNK_06	Cerebrospinal fluid	Denmark	Copenhagen	2006	1D	VP1	Capsid protein	849	HF948258
COPM59744_DNK_04	Cerebrospinal fluid	Denmark	Copenhagen	2004	1D	VP1	Capsid protein	849	HF948259
COPT38871_DNK_03	Feces	Denmark	Copenhagen	2003	1D	VP1	Capsid protein	849	HF948260
COPF47737_DNK_03	Cerebrospinal fluid	Denmark	Copenhagen	2003	1D	VP1	Capsid protein	849	HF948261
COPW55060_DNK_03	Cerebrospinal fluid	Denmark	Copenhagen	2003	1D	VP1	Capsid protein	849	HF948262
COPT50075_DNK_03	Feces	Denmark	Copenhagen	2003	1D	VP1	Capsid protein	849	HF948263
COPM29417_DNK_03	Feces	Denmark	Copenhagen	2003	1D	VP1	Capsid protein	849	HF948264
COPw59426_DNK_03	Feces	Denmark	Copenhagen	2003	1D	VP1	Capsid protein	849	HF948265
COPF77563_DNK_02	Feces	Denmark	Copenhagen	2002	1D	VP1	Capsid protein	849	HF948266
COPF77579_DNK_02	Feces	Denmark	Copenhagen	2002	1D	VP1	Capsid protein	849	HF948267
COPT47225_DNK_02	Feces	Denmark	Copenhagen	2002	1D	VP1	Capsid protein	849	HF948268
COPW23632_DNK_02	Feces	Denmark	Copenhagen	2002	1D	VP1	Capsid protein	849	HF948269
COPF14824_DNK_01	Cerebrospinal fluid	Denmark	Copenhagen	2001	1D	VP1	Capsid protein	849	HF948270
COPH73456_DNK_01	Feces	Denmark	Copenhagen	2001	1D	VP1	Capsid protein	849	HF948271
COP6425_DNK_00	Cerebrospinal fluid	Denmark	Copenhagen	2000	1D	VP1	Capsid protein	849	HF948272
COP9992_DNK_99	Feces	Denmark	Copenhagen	1999	1D	VP1	Capsid protein	849	HF948273
STU82_DEU_05	Feces	Germany	Stuttgart	2005	1D	VP1	Capsid protein	849	HF948274
STU6_DEU_09	Feces	Germany	Stuttgart	2009	1D	VP1	Capsid protein	849	HF948275
STU28_DEU_09	Feces	Germany	Stuttgart	2009	1D	VP1	Capsid protein	849	HF948276
STU29_DEU_09	Feces	Germany	Stuttgart	2009	1D	VP1	Capsid protein	849	HF948277
STU27_DEU_09	Feces	Germany	Stuttgart	2009	1D	VP1	Capsid protein	849	HF948278
VIE137_AUT_09		Austria	Vienna	2009	1D	VP1	Capsid protein	849	HF948279
CF641_FRA_79	Feces	France	Clermont-Ferrand	1979	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948280
CF991P_FRA_99	Throat	France	Clermont-Ferrand	1999	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948281
CF1247P_FRA_99	Throat	France	Clermont-Ferrand	1999	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948282
CF1248P_FRA_99	Vesicular fluid	France	Clermont-Ferrand	1999	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948283
CF1399P_FRA_99	Throat	France	Clermont-Ferrand	1999	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948284
CF541_FRA_99	Feces	France	Clermont-Ferrand	1999	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948285
CF595_FRA_99	Feces	France	Clermont-Ferrand	1999	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948286
CF691_FRA_00	Feces	France	Clermont-Ferrand	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948287

CF693_FRA_00	Feces	France	Clermont-Ferrand	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948288
CF298054_FRA_02	Feces	France	Clermont-Ferrand	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948289
CF301020_FRA_02	Feces	France	Clermont-Ferrand	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948290
CF259056_FRA_03	Feces	France	Clermont-Ferrand	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948291
CF281038_FRA_03	Throat	France	Clermont-Ferrand	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948292
CF218022CSF_FRA_05	Cerebrospinal fluid	France	Clermont-Ferrand	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948293
CF175089CSF_FRA_05	Cerebrospinal fluid	France	Clermont-Ferrand	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948294
CF164002_FRA_05	Feces	France	Clermont-Ferrand	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948295
CF165048_FRA_05	Feces	France	Clermont-Ferrand	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948296
CF186106_FRA_05	Throat	France	Clermont-Ferrand	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948297
CF216024CSF_FRA_06	Cerebrospinal fluid	France	Clermont-Ferrand	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948298
CF194031CSF_FRA_06	Cerebrospinal fluid	France	Clermont-Ferrand	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948299
CF193076CSF_FRA_06	Cerebrospinal fluid	France	Clermont-Ferrand	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948300
CF189004CSF_FRA_06	Cerebrospinal fluid	France	Clermont-Ferrand	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948301
CF173024CSF_FRA_10	Cerebrospinal fluid	France	Clermont-Ferrand	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948302
CF184011CSF_FRA_10	Cerebrospinal fluid	France	Clermont-Ferrand	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948303
CF229007_FRA_10	Throat	France	Clermont-Ferrand	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948304
CF193012_FRA_11	Throat	France	Clermont-Ferrand	2011	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948305
VER1233_FRA_10	Cerebrospinal fluid	France	Versailles	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948306
LYO10442_FRA_00	Bronchial aspiration	France	Lyon	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948307
NAN13764_FRA_00	Cerebrospinal fluid	France	Nancy	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948308
NAN13762_FRA_00	Cerebrospinal fluid	France	Nancy	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948309
NAN13771_FRA_00	Cerebrospinal fluid	France	Nancy	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948310
LIM14928_FRA_00	Cerebrospinal fluid	France	Limoge	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948311
AMI986_FRA_00	Throat	France	Amiens	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948312
GRE1212_FRA_00	Feces	France	Grenoble	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948313
BES1550_FRA_00	Throat	France	Besançon	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948314
LYO17752_FRA_01	Feces	France	Lyon	2001	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948315
LYO18313_FRA_01	Throat	France	Lyon	2001	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948316
CRE67_FRA_01	Cerebrospinal fluid	France	Créteil	2001	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948317
CRE71_FRA_01	Cerebrospinal fluid	France	Créteil	2001	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948318
LYO9553_FRA_02	Throat	France	Lyon	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948319
LYO12161_FRA_02	Throat	France	Lyon	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948320
LYO12927_FRA_02	Throat	France	Lyon	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948321
LYO15602_FRA_02	Throat	France	Lyon	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948322
LYO15657_FRA_02	Bronchoalveolar fluid	France	Lyon	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948323
LYO19265_FRA_02	Throat	France	Lyon	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948324
LYO23348_FRA_02	Throat	France	Lyon	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948325
LYO24141_FRA_02	Feces	France	Lyon	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948326
LYO15534_FRA_03	Throat	France	Lyon	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948327
BOU15762_FRA_03	Feces	France	Bourg-en-Bresse	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948328
LYO16564_FRA_03	Feces	France	Lyon	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948329
LYO16796_FRA_03	Throat	France	Lyon	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948330
LYO16878_FRA_03	Feces	France	Lyon	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948331

LYO17064_FRA_03	Throat	France	Lyon	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948332
CHA17693_FRA_03	Feces	France	Chambéry	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948333
LYO24126_FRA_03	Throat	France	Lyon	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948334
LYO25255_FRA_03	Throat	France	Lyon	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948335
NAN392_FRA_03	Feces	France	Nancy	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948336
NAN443_FRA_03	Feces	France	Nancy	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948337
GRE447_FRA_03	Throat	France	Grenoble	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948338
GRE452_FRA_03	Feces	France	Grenoble	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948339
GRE453_FRA_03	Feces	France	Grenoble	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948340
GRE456_FRA_03	Feces	France	Grenoble	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948341
NANC627_FRA_03	Feces	France	Nancy	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948342
NIC715_FRA_03	Feces	France	Nice	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948343
NIC717_FRA_03	Nasopharyngeal aspirate	France	Nice	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948344
LYO28741_FRA_04	Throat	France	Lyon	2004	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948345
NAN102_FRA_04	Cerebrospinal fluid	France	Nancy	2004	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948346
NAN933_FRA_04	Nasopharyngeal aspirate	France	Nancy	2004	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948347
NAN964_FRA_04	Nasopharyngeal aspirate	France	Nancy	2004	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948348
NAN965_FRA_04	Nasopharyngeal aspirate	France	Nancy	2004	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948349
GRE1195_FRA_04	Feces	France	Grenoble	2004	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948350
LYO28405_FRA_06	Throat	France	Lyon	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948351
LYO29122_FRA_06	Throat	France	Lyon	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948352
LYO29186_FRA_06	Feces	France	Lyon	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948353
LYO29325_FRA_06	Nasopharyngeal aspirate	France	Lyon	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948354
LYO29495_FRA_06	Throat	France	Lyon	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948355
LYO30332_FRA_06	Feces	France	Lyon	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948356
LYO32185_FRA_06	Feces	France	Lyon	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948357
LYO35222_FRA_06	Feces	France	Lyon	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948358
LYO36056_FRA_06	Expectoration fluid	France	Lyon	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948359
NAN250_FRA_06	Nasal swab	France	Nancy	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948360
BRE280_FRA_06	Bronchial aspirate	France	Brest	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948361
REN323_FRA_06	Feces	France	Rennes	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948362
GRE585_FRA_06	Feces	France	Grenoble	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948363
BRE713_FRA_06	Feces	France	Brest	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948364
BRE717_FRA_06	Feces	France	Brest	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948365
BRE719_FRA_06	Bronchial aspirate	France	Brest	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948366
LYO41112_FRA_07	Throat	France	Lyon	2007	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948367
GRE753_FRA_08	Respiratory specimen	France	Grenoble	2008	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948368
LYO19441_FRA_09	Nasopharyngeal aspirate	France	Lyon	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948369
LYO25559_FRA_09	Nasopharyngeal aspirate	France	Lyon	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948370
LYO26495_FRA_09	Nasopharyngeal aspirate	France	Lyon	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948371
LYO29001_FRA_09	Feces	France	Lyon	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948372
LYO29093_FRA_09	Throat	France	Lyon	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948373
LYO29135_FRA_09	Feces	France	Lyon	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948374
LYO30235_FRA_09	Feces	France	Lyon	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948375

LYO48863_FRA_09	Throat	France	Lyon	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948376
ANG217_FRA_09	Cerebrospinal fluid	France	Anger	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948377
GRE272_FRA_09	Feces	France	Grenoble	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948378
LYO17171_FRA_10	Throat	France	Lyon	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948379
LYO24098_FRA_10	Nasopharyngeal aspirate	France	Lyon	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948380
LYO32107_FRA_10	Throat	France	Lyon	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948381
ANG10238_FRA_10	Cerebrospinal fluid	France	Anger	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948382
FRAO371_DEU_00	Feces	Germany	Frankfurt/O	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948383
LUDW298_DEU_01	Feces	Germany	Ludwigsfelde	2001	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948384
NORD433_DEU_04	Cerebrospinal fluid	Germany	Nordhorn	2004	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948385
ERLA1148_DEU_06	Feces	Germany	Erlangen	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948386
MAGD35_DEU_07	Cerebrospinal fluid	Germany	Magdeburg	2007	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948387
ULM387_DEU_09	Feces	Germany	Ulm	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948388
FRAO473_DEU_09	Feces	Germany	Frankfurt/O	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948389
NEUB545_DEU_10	Feces	Germany	Neubrandenburg	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948390
LIM001_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948391
LIM002_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948392
LIM003_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948393
LIM004_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948394
LIM005_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948395
LIM006_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948396
LIM007_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948397
LIM008_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948398
LIM009_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948399
LIM010_CYP_96	Cerebrospinal fluid	Cyprus	Limassol	1996	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948400
NIC001_CYP_03	Cerebrospinal fluid	Cyprus	Nicosia	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948401
NIC001_CYP_05	Cerebrospinal fluid	Cyprus	Nicosia	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948402
LIM002_CYP_05	Cerebrospinal fluid	Cyprus	Limassol	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948403
NIC003_CYP_05	Cerebrospinal fluid	Cyprus	Nicosia	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948404
FAM004_CYP_05	Cerebrospinal fluid	Cyprus	Famagusta	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948405
LARN005_CYP_05	Feces	Cyprus	Larnaca	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948406
NIC006_CYP_05	Cerebrospinal fluid	Cyprus	Nicosia	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948407
NIC007_CYP_05	Cerebrospinal fluid	Cyprus	Nicosia	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948408
FAM008_CYP_05	Cerebrospinal fluid	Cyprus	Famagusta	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948409
NIC001_CYP_09	Feces	Cyprus	Nicosia	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948410
NIC002_CYP_09	Cerebrospinal fluid	Cyprus	Nicosia	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948411
LIM001_CYP_10	Feces	Cyprus	Limassol	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948412
COPH35484_DNK_10	Feces	Denmark	Copenhagen	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948413
COPH37074_DNK_10	Feces	Denmark	Copenhagen	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948414
COPM60676_DNK_10	Feces	Denmark	Copenhagen	2010	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948415
COPW39429_DNK_09	Feces	Denmark	Copenhagen	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948416
COPH51541_DNK_09	Feces	Denmark	Copenhagen	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948417
COPH53900_DNK_09	Feces	Denmark	Copenhagen	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948418
COPW66073_DNK_07	Feces	Denmark	Copenhagen	2007	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948419

COPM21004_DNK_06	Feces	Denmark	Copenhagen	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948420
COPW25271_DNK_06	Feces	Denmark	Copenhagen	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948421
COPM19952_DNK_06	Feces	Denmark	Copenhagen	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948422
COPW24823_DNK_06	Cerebrospinal fluid	Denmark	Copenhagen	2006	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948423
COPM59744_DNK_04	Cerebrospinal fluid	Denmark	Copenhagen	2004	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948424
COPT38871_DNK_03	Feces	Denmark	Copenhagen	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948425
COPF47737_DNK_03	Cerebrospinal fluid	Denmark	Copenhagen	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948426
COPW55060_DNK_03	Cerebrospinal fluid	Denmark	Copenhagen	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948427
COPT50075_DNK_03	Feces	Denmark	Copenhagen	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948428
COPM29417_DNK_03	Feces	Denmark	Copenhagen	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948429
COPw59426_DNK_03	Feces	Denmark	Copenhagen	2003	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948430
COPF77563_DNK_02	Feces	Denmark	Copenhagen	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948431
COPF77579_DNK_02	Feces	Denmark	Copenhagen	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948432
COPT47225_DNK_02	Feces	Denmark	Copenhagen	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948433
COPW23632_DNK_02	Feces	Denmark	Copenhagen	2002	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948434
COPF14824_DNK_01	Cerebrospinal fluid	Denmark	Copenhagen	2001	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948435
COPH73456_DNK_01	Feces	Denmark	Copenhagen	2001	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948436
COP6425_DNK_00	Cerebrospinal fluid	Denmark	Copenhagen	2000	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948437
COP9992_DNK_99	Feces	Denmark	Copenhagen	1999	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948438
STU82_DEU_05	Feces	Germany	Stuttgart	2005	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948439
STU6_DEU_09	Feces	Germany	Stuttgart	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948440
STU28_DEU_09	Feces	Germany	Stuttgart	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948441
STU29_DEU_09	Feces	Germany	Stuttgart	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948442
STU27_DEU_09	Feces	Germany	Stuttgart	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948443
VIE137_AUT_09		Austria	Vienna	2009	3CD	3Cpro; 3Dpol	3C protease; 3D RNA polymerase	1035	HF948444
CF807S_FRA_77	Feces	France	Clermont-Ferrand	1977	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948028
CF955S_FRA_78	Feces	France	Clermont-Ferrand	1978	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948029
CF688_FRA_93	Feces	France	Clermont-Ferrand	1993	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948030
CF2680P_FRA_96	Throat	France	Clermont-Ferrand	1996	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948031
CF1107P_FRA_99	Throat	France	Clermont-Ferrand	1999	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948032
CF516_FRA_00	Cerebrospinal fluid	France	Clermont-Ferrand	2000	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948033
CF238048_FRA_05	Feces	France	Clermont-Ferrand	2005	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948034
CF147027_FRA_05	Feces	France	Clermont-Ferrand	2005	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948035
CF167067_FRA_06	Throat	France	Clermont-Ferrand	2006	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948036
CF219051_FRA_06	Throat	France	Clermont-Ferrand	2006	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948037
CF202076_FRA_06	Throat	France	Clermont-Ferrand	2006	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948038
CF194099CSF_FRA_11	Cerebrospinal fluid	France	Clermont-Ferrand	2011	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948039
CF199017CSF_FRA_11	Cerebrospinal fluid	France	Clermont-Ferrand	2011	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948040
GRE222041_FRA_10	Cerebrospinal fluid	France	Grenoble	2010	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948041
TOU1942434_FRA_09	Cerebrospinal fluid	France	Toulouse	2009	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948042
VER1002_FRA_10	Cerebrospinal fluid	France	Versailles	2010	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948043
NAN7982_FRA_00	Cerebrospinal fluid	France	Nancy	2000	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948044
BES1020_FRA_00	Throat	France	Besançon	2000	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948045
GRE1022_FRA_01	Feces	France	Grenoble	2001	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948046

LYO17104_FRA_02	Feces	France	Lyon	2002	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948047
ANG435_FRA_03	Feces	France	Anger	2003	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948048
ANG700_FRA_03	Cerebrospinal fluid	France	Anger	2003	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948049
GRE584_FRA_05	Feces	France	Grenoble	2005	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948050
LYO32230_FRA_06	Feces	France	Lyon	2006	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948051
BRE712_FRA_06	Feces	France	Brest	2006	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948052
BRE716_FRA_06	Feces	France	Brest	2006	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948053
BRE718_FRA_06	Feces	France	Brest	2006	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948054
BRE722_FRA_06	Bronchial aspirate	France	Brest	2006	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948055
LYO40225_FRA_07	Nasopharyngeal aspirate	France	Lyon	2007	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948056
LYO29314_FRA_08	Nasopharyngeal aspirate	France	Lyon	2008	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948057
LYO37194_FRA_09	Throat	France	Lyon	2009	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948058
LYO22159_FRA_10	Feces	France	Lyon	2010	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948059
FRAO675_DEU_00	Feces	Germany	Frankfurt/O	2000	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948060
GELD308_DEU_02	Feces	Germany	Geldern	2002	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948061
BER1109_DEU_06	Feces	Germany	Berlin	2006	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948062
BER395_DEU_08	Feces	Germany	Berlin	2008	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948063
FRAO296_DEU_10	Feces	Germany	Frankfurt/O	2010	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948064
BOL36_ITA_08	Feces	Italy	Bolzano	2008	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948065
BUD4063_HUN_10		Hungary	Budapest	2010	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948066
COPW48083_DNK_10	Feces	Denmark	Copenhagen	2010	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948067
COPT37127_DNK_10	Feces	Denmark	Copenhagen	2010	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948068
COPT30857_DNK_09	Feces	Denmark	Copenhagen	2009	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948069
COPT11098_DNK_08	Feces	Denmark	Copenhagen	2008	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948070
COPW38391_DNK_07	Feces	Denmark	Copenhagen	2007	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948071
COPH59346_DNK_02	Feces	Denmark	Copenhagen	2002	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948072
COPH17635_DNK_02	Feces	Denmark	Copenhagen	2002	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948073
COPT17544_DNK_01	Cerebrospinal fluid	Denmark	Copenhagen	2001	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948074
COPH20441_DNK_01	Feces	Denmark	Copenhagen	2001	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948075
STU107_DEU_04	Feces	Germany	Stuttgart	2004	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948076
STU108_DEU_04	Feces	Germany	Stuttgart	2004	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948077
STU25_DEU_09	Feces	Germany	Stuttgart	2009	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948078
VIE85_AUT_04		Austria	Vienna	2004	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948079
VIE140_AUT_04		Austria	Vienna	2004	1D; 2A; 2B; 2C; 3A; 3B; 3C; 3D	VP1; 2Apro; 2B; 2C; 3A; 3B; 3Cpro; 3Dpol	Capsid protein VP1; Non stuctural proteins	4098	HF948080

TABLE S2 Accession numbers of CVB5 sequences retrieved from the NCBI database, used in this study in phylogenetic analyses of 1D^{VP1} and 3CD genes

No accession	Strain	Country	Year	Strain designation
AF114383*	Faulkner	USA	1952	AF114383_F_52
AY875692*	2000/CSF/KOR	South Korea	2000	AY875692_KOR_00
X67706*	1954/85/UK	United Kingdom	1954	X67706_GBR_54
HQ998851*	COXB5/Henan/2010	China	2010	Henan_CHN_10
JN580070*	CVB5/CC10/10	China	2010	CC10_CHN_10
DQ092797	Jena 804	Germany	2002	J804_DEU_02
GU323569	FRA9602	France	1996	9602_FRA_96
GU323570	151rom70	Romania	1970	151_ROM_70
GU323571	FRA9610	France	1996	9610_FRA_96
GU323572	3168dor71	Dominican Rep.	1971	3168_DOR_71
GU323573	2724fin89	Finland	1989	2724_FIN_89
GU323574	2069kyr89	Kyrgyzstan	1989	2069_KYR_89
GU323575	5660rus95	Russia	1995	5660_RUS_95
GU323576	4378fin88	Finland	1988	4378_FIN_88
EU604663	kor05-CVB5-466cn	South Korea	2005	466cn_KOR_05
GU300033	3086	Finland	1986	3086_FIN_86
GU300034	11857	Finland	1989	11857_FIN_89
GU300035	2933	Finland	1989	2933_FIN_89
GU300036	11836	Finland	1989	11836_FIN_89
GU300037	2174	Finland	1987	2174_FIN_87
GU300038	47684	Finland	1988	47684_FIN_88
GU300039	2972	Finland	1989	2972_FIN_89
GU300040	45905	Finland	1991	45905_FIN_91
GU300041	6826	USA	1987	6826_USA_87
GU300042	38641	Finland	1992	38641_FIN_92
GU300043	1147	Estonia	1987	1147_EST_87
GU300044	2137	USA	1970	2137_USA_70
GU300045	39331	Denmark	1975	39331_DAN_75
GU300046	26102	Finland	1984	26102_FIN_84
GU300047	33492	Finland	1985	33492_FIN_85
GU300048	39209	Denmark	1975	39209_DAN_75
GU300049	9030	USA	1977	9030_USA_77
GU300050	3939	USA	1982	3939_USA_82
GU300051	917	Denmark	1982	917_DAN_82
GU300052	614	Finland	1984	614_FIN_84
GU300053	4511	USA	1972	4511_USA_72
GU300054	1041	Honduras	1979	1041_HON_79
GU300055	6309	Honduras	1985	6309_HON_85
GU300056	6051	Ecuador	1974	6051_ECU_74
GU300057	14937	Netherlands	1996	14937_NLD_96
GU300058	23930	Netherlands	1996	23930_NLD_96
GU300059	4804	Kyrgyzstan	1992	4804_KYR_92
GU300060	P028	Pakistan	1990	P028_PAK_90
GU300061	5659	Russia	1995	5659_RUS_95
GU300062	145	Romania	1970	145_ROM_70
GU300063	17036	Netherlands	1996	17036_NLD_96
GU300064	13159	Netherlands	1996	13159_NLD_96
GU300065	18763	Netherlands	1996	18763_NLD_96

No accession	Strain	Country	Year	Strain designation
GQ352398	W6683/BLR/2007	Belarussia	2007	W6683_BLR_07
GQ352397	F5675/BLR/2006	Belarussia	2006	F5675_BLR_06
GQ352396	F5669/BLR/2006	Belarussia	2006	F5669_BLR_06
GQ352395	W4238/BLR/2005	Belarussia	2005	W4238_BLR_05
GQ352394	F4053/BLR/2005	Belarussia	2005	F4053_BLR_05
GQ352393	CSF1841/BLR/2003	Belarussia	2003	CSF1841_BLR_03
GQ352392	F1290/BLR/2003	Belarussia	2003	F1290_BLR_03
FJ868335	4458	Australia	13/02/1991	4458_AUS_91
FJ868334	29886	Australia	16/0419/91	29886_AUS_91
FJ868333	11219	Australia	20/02/1991	11219_AUS_91
FJ868291	44807	Australia	20/05/1992	44807_AUS_92
FJ868290	119229	Australia	07/01/1992	119229_AUS_92
AY695108	Zhejiang1202(CSF)	China	2003	Zhej1202_CHN_03
AY695109	Zhejiang1302	China	2003	Zhej1302_CHN_03
AJ004643	1603	Finland	1982	1603_FIN_82
GQ329771	98388/SD/CHN/1998	China	1998	98388_CHN_98
GQ329770	02336/SD/CHN/2002	China	2002	02336_CHN_02
GQ246516	YZ081/SD/CHN/2005	China	2005	YZ081_CHN_05
GQ246515	YZ032/SD/CHN/2005	China	2005	YZ032_CHN_05
GQ246514	YZ076/SD/CHN/2005	China	2005	YZ076_CHN_05
GQ246513	YZ072/SD/CHN/2005	China	2005	YZ072_CHN_05
GQ246512	YZ058/SD/CHN/2005	China	2005	YZ058_CHN_05
GQ246511	YZ056/SD/CHN/2005	China	2005	YZ056_CHN_05
GQ246510	YZ053/SD/CHN/2005	China	2005	YZ053_CHN_05
GQ246509	YZ042/SD/CHN/2005	China	2005	YZ042_CHN_05
GQ246508	YZ041/SD/CHN/2005	China	2005	YZ041_CHN_05
GQ246507	YZ009/SD/CHN/2005	China	2005	YZ009_CHN_05
GQ246506	YZ003/SD/CHN/2005	China	2005	YZ003_CHN_05
GU272014	SD/sewage/090705/2-3H	China	05/07/2009	SD23H_CHN_09

* complete genome

TABLE S3a Model selection for the CV-B5 1D sequence dataset through comparison of Log_{10} Bayes factors.

Model combination [a]	ln P(model|data) [b]	S.E. [c]	Model combination											
			strict_CS	strict_EXP	strict_EPN	strict_BS	uced_CS	uced_EXP	uced_EPN	uced_BS	ucld_CS	ucld_EXP	ucld_EPN	ucld_BS
strict_CS	-17556.06	+/- 0.412	-	0.377	-0.453	-1.061	-39.644	-39.79	-39.562	-42.78	-26.907	-27.852	-26.64	-29.487
strict_EXP	-17556.928	+/- 0.468	-0.377	-	-0.83	-1.438	-40.021	-40.166	-39.939	-43.157	-27.284	-28.229	-27.017	-29.864
strict_EPN	-17555.017	+/- 0.457	0.453	0.83	-	-0.608	-39.191	-39.337	-39.109	-42.327	-26.454	-27.399	-26.187	-29.034
strict_BS	-17553.616	+/- 0.409	1.061	1.438	0.608	-	-38.582	-38.728	-38.501	-41.719	-25.845	-26.79	-25.579	-28.426
uced_CS	-17464.777	+/- 0.466	39.644	40.021	39.191	38.582	-	-0.146	0.082	-3.136	12.737	11.792	13.003	10.156
uced_EXP	-17464.441	+/- 0.464	39.79	40.166	39.337	38.728	0.146	-	0.228	-2.991	12.883	11.938	13.149	10.302
uced_EPN	-17464.965	+/- 0.452	39.562	39.936	39.109	38.501	-0.082	-0.228	-	-3.218	12.655	11.71	12.922	10.075
uced_BS	-17457.555	+/- 0.504	42.78	43.157	42.327	41.719	3.136	2.991	3.218	-	15.873	14.928	16.14	13.293
ucld_CS	-17494.105	+/- 0.58	26.907	27.284	26.454	25.845	-12.737	-12.883	-12.655	-15.873	-	-0.945	0.266	-2.581
ucld_EXP	-17491.929	+/- 0.477	27.852	28.229	27.399	26.79	-11.792	-11.938	-11.71	-14.928	0.945	-	1.212	-1.635
ucld_EPN	-17494.718	+/- 0.597	26.64	27.017	26.187	25.579	-13.003	-13.149	-12.922	-16.14	-0.266	-1.212	-	-2.847
ucld_BS	-17488.163	+/- 0.438	29.487	29.864	29.034	28.426	-10.156	-10.302	-10.075	-13.293	2.581	1.635	2.847	-

TABLE S3b Model selection for the CV-B5 genogroup A_1D sequence subset through comparison of Log_{10} Bayes factors.

Model combination [a]	ln P(model|data) [b]	S.E. [c]	Model combination											
			strict_CS	strict_EXP	strict_EPN	strict_BS	uced_CS	uced_EXP	uced_EPN	uced_BS	ucld_CS	ucld_EXP	ucld_EPN	ucld_BS
strict_CS	-8059.597	+/- 0.255	-	-0.082	-0.139	-0.153	-9.533	-10.084	-9.955	-14.324	-5.91	-6.129	-6.079	-9.42
strict_EXP	-8059.407	+/- 0.258	0.082	-	-0.056	-0.071	-9.451	-10.002	-9.873	-14.242	-5.828	-6.047	-5.997	-9.338
strict_EPN	-8059.277	+/- 0.274	0.139	0.056	-	-0.014	-9.394	-9.945	-9.817	-14.185	-5.771	-5.991	-5.94	-9.281
strict_BS	-8059.244	+/- 0.265	0.153	0.071	0.014	-	-9.38	-9.931	-9.802	-14.171	-5.757	-5.976	-5.926	-9.267
uced_CS	-8037.646	+/- 0.3	9.533	9.451	9.394	9.38	-	-0.551	-0.422	-4.791	3.623	3.404	3.454	0.113
uced_EXP	-8036.377	+/- 0.293	10.084	10.002	9.945	9.931	0.551	-	0.129	-4.24	4.174	3.955	4.005	0.664
uced_EPN	-8036.674	+/- 0.316	9.955	9.873	9.817	9.802	0.422	-0.129	-	-4.369	4.045	3.826	3.876	0.535
uced_BS	-8026.614	+/- 0.302	14.324	14.242	14.185	14.171	4.791	4.24	4.369	-	8.414	8.195	8.245	4.904
ucld_CS	-8045.988	+/- 0.305	5.91	5.828	5.771	5.757	-3.623	-4.174	-4.045	-8.414	-	-0.219	-0.169	-3.51
ucld_EXP	-8045.483	+/- 0.301	6.129	6.047	5.991	5.976	-3.404	-3.955	-3.826	-8.195	0.219	-	0.05	-3.291
ucld_EPN	-8045.599	+/- 0.31	6.079	5.997	5.94	5.926	-3.454	-4.005	-3.876	-8.245	0.169	-0.05	-	-3.341
ucld_BS	-8037.906	+/- 0.272	9.42	9.338	9.281	9.267	-0.113	-0.664	-0.535	-4.904	3.51	3.291	3.341	-

TABLE S3c Model selection for the CV-B5 genogroup B_1D sequence subset through comparison of Log_{10} Bayes factors.

Model combination [a]	ln P(model|data) [b]	S.E. [c]	Model combination											
			strict_CS	strict_EXP	strict_EPN	strict_BS	uced_CS	uced_EXP	uced_EPN	uced_BS	ucld_CS	ucld_EXP	ucld_EPN	ucld_BS
strict_CS	-10283.727	+/- 0.31	-	-0.127	-0.216	-0.792	-27.251	-26.502	-26.119	-25.38	-17.73	-18.165	-17.886	-17.618
strict_EXP	-10283.434	+/- 0.332	0.127	-	-0.089	-0.665	-27.124	-26.374	-25.992	-25.253	-17.603	-18.038	-17.759	-17.491
strict_EPN	-10283.23	+/- 0.317	0.216	0.089	-	-0.576	-27.035	-26.286	-25.903	-25.164	-17.514	-17.95	-17.671	-17.402
strict_BS	-10281.903	+/- 0.295	0.792	0.665	0.576	-	-26.459	-25.71	-25.327	-24.588	-16.938	-17.373	-17.094	-16.826
uced_CS	-10222.978	+/- 0.373	27.251	27.124	27.035	26.459	-	0.75	1.132	1.871	9.521	9.086	9.365	9.633
uced_EXP	-10222.705	+/- 0.357	26.502	26.374	26.286	25.71	-0.75	-	0.383	1.122	8.772	8.336	8.615	8.884
uced_EPN	-10223.586	+/- 0.386	26.119	25.992	25.903	25.327	-1.132	-0.383	-	0.739	8.389	7.953	8.232	8.501
uced_BS	-10225.287	+/- 0.403	25.38	25.253	25.164	24.588	-1.871	-1.122	-0.739	-	7.65	7.215	7.493	7.762
ucld_CS	-10242.902	+/- 0.35	17.73	17.603	17.514	16.938	-9.521	-8.772	-8.389	-7.65	-	-0.435	-0.157	0.112
ucld_EXP	-10241.899	+/- 0.348	18.165	18.038	17.95	17.373	-9.086	-8.336	-7.953	-7.215	0.435	-	0.279	0.547
ucld_EPN	-10242.542	+/- 0.376	17.886	17.759	17.671	17.094	-9.365	-8.615	-8.232	-7.493	0.157	-0.279	-	0.268
ucld_BS	-10243.16	+/- 0.362	17.618	17.491	17.402	16.826	-9.633	-8.884	-8.501	-7.762	-0.112	-0.547	-0.268	-

TABLE S3d. Model selection for the CV-B5 3CD sequence dataset through comparison of Log_{10} Bayes factors.

Model combination [a]	ln P(model|data) [b]	S.E. [c]	Model combination											
			strict_CS	strict_EXP	strict_EPN	strict_BS	uced_CS	uced_EXP	uced_EPN	uced_BS	ucld_CS	ucld_EXP	ucld_EPN	ucld_BS
strict_CS	-20501.546	+/- 0.56	-	-0.598	-0.237	-0.664	-69.693	-70.465	-69.318	-73.741	-64.725	-64.593	-65.191	-66.288
strict_EXP	-20500.169	+/- 0.426	0.598	-	0.361	-0.065	-69.095	-69.867	-68.72	-73.143	-64.126	-63.995	-64.593	-65.69
strict_EPN	-20501	+/- 0.529	0.237	-0.361	-	-0.426	-69.455	-70.228	-69.081	-73.504	-64.487	-64.356	-64.954	-66.05
strict_BS	-20500.018	+/- 0.635	0.664	0.065	0.426	-	-69.029	-69.801	-68.654	-73.078	-64.061	-63.93	-64.527	-65.624
uced_CS	-20341.073	+/- 0.601	69.693	69.095	69.455	69.029	-	-0.772	0.375	-4.049	4.968	5.099	4.502	3.405
uced_EXP	-20339.295	+/- 0.533	70.465	69.867	70.228	69.801	0.772	-	1.147	-3.276	5.741	5.872	5.274	4.177
uced_EPN	-20341.936	+/- 0.616	69.318	68.72	69.081	68.654	-0.375	-1.147	-	-4.423	4.594	4.725	4.127	3.03
uced_BS	-20331.751	+/- 0.553	73.741	73.143	73.504	73.078	4.049	3.276	4.423	-	9.017	9.148	8.55	7.454
ucld_CS	-20352.513	+/- 0.708	64.725	64.126	64.487	64.061	-4.968	-5.741	-4.594	-9.017	-	0.131	-0.467	-1.563
ucld_EXP	-20352.815	+/- 0.614	64.593	63.995	64.356	63.93	-5.099	-5.872	-4.725	-9.148	-0.131	-	-0.598	-1.694
ucld_EPN	-20351.438	+/- 0.57	65.191	64.593	64.954	64.527	-4.502	-5.274	-4.127	-8.55	0.467	0.598	-	-1.097
ucld_BS	-20348.913	+/- 0.636	66.288	65.69	66.05	65.624	-3.405	-4.177	-3.03	-7.454	1.563	1.694	1.097	-

[a] Three molecular clock models (a strict clock and two relaxed models assuming either an exponential distribution (uced) or an uncorrelated lognormal distribution (ucld) of substitution rates were compared in combination with four models of demographic history, constant size (CS), exponential growth (EXP), expansion growth (EPN) and Bayesian skyline distribution (BS).

[b] To determine which model combination fit the sequence data analyzed, the marginal likelihood (ln P (model|data)) was estimated with the program Tracer 1.5 and a log_{10} Bayes factor was calculated for each pair of model combination (combination 1 in row versus combination 2 in column). A log_{10} Bayes factor > 5 is substantial evidence and > 10 is strong evidence for the support of model combination 1 over model combination 2.

[c] Standard error for the marginal likelihood.

TABLE S4 Mean persistence time of CVB5 lineages

CVB5 lineage	Sampling features [a]	Divergence time (mean TMRCA) [b]	Last occurrence (calendar year) [c]	Estimated circulation time (years) [d]	Number of CVB5 lineages [e]	Mean persistence time (years) [f]
A1	29; E,A	1988.4 – 1995.3 [1992.4]	2007	11.7 – 18.6	1	11.7 – 18.6
A3	55; E	1992.3 – 1995.5 [1994.2]	2007	11.5 – 14.7	5	2.3 – 2.9
A4	31; E,A	1999.7 – 2001.9 [2001]	2010	8.1 – 10.3	4	2.0 – 2.6
B1	62; E,A	1977.1 – 1983.3 [1980.4]	2010	26.7 – 32.9	3	8.9 – 11
B2	90; E	2001.6 – 2003.6 [2002.2]	2011	7.4 – 9.4	6	1.2 – 1.6

[a] Number of 1DVP1 sequences within the lineage; geographic origin (abbreviations: E, Europe; A, Asia).
[b] 95% highest probability density (HPD) interval estimated with the 1DVP1 genealogy.
[c] Year of the last occurrence of a virus strain of the lineage within the sample.
[d] Year of the last occurrence minus divergence time.
[e] Total number of recombinant lineages inferred with the 3CD genealogy.
[f] Ratio of the estimated circulation time to the number of recombinant CVB5 lineages.