|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **OQ818316** | **OQ818317** | **OQ818318** | **OQ818320** | **OQ818321** | **OQ818322** | **OQ818323** | **OQ818324** | **OQ818325** | **OQ818328** | **OQ818329** |
| **L/VP4** | **-** | **-** | **hkQ/Gag** | **kpN/Fah** | **kpN/Iah** | **-** | **hkQ/Gvg** | **sgQ/Gty** | **rqC/Gva** | **lrQ/Cgv** | **kpM/Yah** |
| **L/VP0** | **mfQ/Gag** | **-** | **-** | **-** | **-** | **qrQ/Gns** | **-** | **-** | **-** | **-** | **-** |
| **VP4/VP2** | **-** | **-** | **lsS/Gln** | **tlK/Spt** | **alK/Spt** | **-** | **llA/Dpk** | **llA/Qps** | **alK/Spt** | **alK/Spt** | **alK/Sps** |
| **VP2/VP3** | **-** | **-** | **alQ/Gpi** | **saQ/Gfp** | **stQ/Gip** | **-** | **ytE/Gpa** | **wrG/Sit** | **mrQ/Gvp** | **mrQ/Gvp** | **aaQ/Gip** |
| **VP0/VP3** | **lrQ/Pki** | **qqQ/Ifs** | **-** | **-** | **-** | **akQ/Hwk** | **-** | **-** | **-** | **-** | **-** |
| **VP3/VP1** | **slQ/Tsl** | **lyH/Aap** | **siQ/Gnt** | **dlQ/Gfi** | **qgL/Gde** | **ssQ/Ags** | **gtQ/Gpe** | **svQ/Dsn** | **yfQ/Glg** | **yfQ/Glg** | **ffQ/Glg** |
| **VP1/2A** | **ttE/Gsp** | **aaQ/Gpr** | **tkQ/Gat** | **irL/Gpp** | **irL/Gpp** | **vkQ/Gat** | **vqQ/Gpr** | **qqA/Pkd** | **igQ/Tpi** | **igQ/Tpi** | **yyQ/Eqa** |
| **2A/2B** | **npG/Pet** | **iyG/Pti** | **npG/Ppv** | **vyQ/Gik** | **eiQ/Gik** | **rrQ/Gll** | **npG/Pai** | **npG/Pai** | **meQ/Gpv** | **meQ/Ppv** | **veQ/Gll** |
| **2B/2C** | **klQ/Pll** | **ipQ/Gpf** | **kkQ/Gll** | **eeQ/Gft** | **eeQ/Glv** | **qtQ/Glr** | **nkQ/Gkl** | **nkQ/Gkl** | **vqQ/Gvs** | **vqQ/Gvs** | **eeQ/Gpt** |
| **2C/3A** | **eiQ/Tke** | **faQ/Sps** | **tkQ/Apk** | **lfQ/Ggv** | **lfQ/Gpi** | **krQ/Grv** | **skQ/Apq** | **skQ/Apt** | **lfQ/Gpp** | **lfQ/Gpp** | **lfQ/Gpg** |
| **3A/3B** | **enQ/Apy** | **psQ/Gpy** | **keQ/Say** | **gsQ/Gpy** | **gsQ/Gpy** | **qpQ/Aay** | **hnQ/Gpy** | **hnQ/Gpy** | **snQ/GP** | **snQ/Gpy** | **gqQ/Gpy** |
| **3B/3C** | **neQ/Kpr** | **dpQ/Gpw** | **qlQ/Apg** | **evQ/Gpd** | **evQ/Gpd** | **qrQ/Gms** | **elQ/Apg** | **elQ/Apt** | **vtQ/Gpd** | **vtQ/Gpd** | **evQ/Gpd** |
| **3C/3D** | **lsE/Gvd** | **raQ/Ggi** | **ekQ/Gki** | **qiQ/Gvi** | **sfQ/Gki** | **qqQ/Sli** | **tkQ/Gki** | **akQ/Gki** | **leQ/Gqi** | **leQ/Gqi** | **nfQ/Gsi** |

Picornaviridae full genomes

Caliciviridae

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|  | **OQ818319** | **OQ818340** | **OQ818345** | **OQ818347** | **OQ818348** |
| **Helicase/NS4** | **eaQ/Agk** | **eaQ/Agk** | **-** | **-** | **fpQ/Ssd** |
| **NS4/Vpg** | **giE/Akg** | **gvE/Akg** | **-** | **gkK/Gkt** | **eeE/Akg** |
| **Vpg/Pro-Pol** | **esQ/Ags** | **esQ/Ant** | **-** | **epE/Sgd** | **idE/Gps** |
| **Pro-Pol/VP1** | **lpE/Gas** | **-** | **emE/Gnr** | **-** | **-** |