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**Supplementary Table S1. GenBank sources of rotavirus VP7 gene from human, porcine and bovine of known G-types.** A total of 38 VP7 gene sequences with known G-type, host origin and isolation region were retrieved and assessed with *Vsp*I, *Hae*III and *Nla*IV in-silico. The profiles generated for the all the global isolates were combined together to represent the total RFLP patterns exhibiting among them.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GenBank accession no.** | **Host origin** | **Isolation region** | **Combined RFLP pattern** | **Known**  **G Type** |
| AF254137 | Human | Ireland | V6H1N6 | G1 |
| HM998612 | Human | Brazil | V3H7N6 |
| KF113039 | Human | China | V8H8N7 |
| AF254138 | Human | Ireland | V9H1N3 |
| AF254140, AF207063, AF207062 | Human | Ireland, ---b, --- | V5H1N6 | G2, G6 |
| AB091362, AF044357 | Human | China, --- | V5H6N6 | G2 |
| HM130956 | Human | South Korea | V5H9N6 |
| KF113046 | Human | China | V10H10N8 | G3 |
| HM130972, HM130970 | Human | South Korea | V11H11N6 |
| KF113007 | Human | China | V10H10N8 |
| AB012073 | Human | --- | V12H12N6 | G4 |
| AY954109 | Human | Brazil | V13H13N6 |
| AB012079, AB012078 | Human | Japan | V12H1N6 |
| EF199486 | Bovine | India | V5H14N9 | G6 |
| EF199485 | Bovine | India | V4H15N9 |
| DQ838598 | Bovine | --- | V1H16N10 | G8 |
| AB272753 | Human | Japan | V5H1N11 |
| AY855064 | Human | Brazil | V7H1N12 |
| AF207061 | Human | --- | V7H17N13 |
| JQ343835 | Porcine | South Korea | V5H1N14 | G9 |
| JN974820 | Porcine | Canada | V15H18N15 |
| AB436834, AB436835, AB436829 | Human | Thailand | V16H1N15 |
| AY816182 | Human | Cameroon | V5H18N12 | G10 |
| HQ842594, EU311195 | Bovine | India | V17H19N6 |
| AY816181 | Human | Cote d'Ivoire | V5H20N12 |
| JX567749 | Human | Australia | V5H21N16 |
| EF559260 | Bovine | India | V18H22N6 | G12 |
| AB436819, AB436817, AB436814 | Human | Thailand | V19H1N6 |

a GBR, Represents designated code for GenBank reference strains.

b---, country source not available in database.