

Supplementary Table 1. Korean rotavirus G and P genotypes used in this study

Genotype	Strain name	Accession number	Genotype	Strain name	Accession number
G1	RVA/Human-wt/KOR/KUMS00-36/2000/G1P[X]	DQ478418	G2	RVA/Human-wt/KOR/Seoul-669/2009/G1P[X]	HM130947
	RVA/Human-wt/KOR/CI-81/2006/G1P[8]	JN887818		RVA/Human-wt/KOR/Seoul-677/2009/G1P[X]	HM130948
	RVA/Human-wt/KOR/CAU136/2006/G1P[8]	EU679389		RVA/Human-wt/KOR/Seoul-697/2009/G1P[X]	HM130949
	RVA/Human-wt/KOR/CAU160/2006/G1P[8]	EU679390		RVA/Human-wt/KOR/Seoul-715/2009/G1P[X]	HM130950
	RVA/Human-wt/KOR/CAU163/2006/G1P[8]	EU679391		RVA/Human-wt/KOR/KUMS99-7/1999/G2P[X]	DQ478429
	RVA/Human-wt/KOR/CAU164/2006/G1P[8]	EU679392		RVA/Human-wt/KOR/KUMS00-13/2000/G2P[X]	DQ478414
	RVA/Human-wt/KOR/CAU200/2006/G1P[8]	EU679393		RVA/Human-wt/KOR/KUMS00-85/2000/G2P[X]	DQ478422
	RVA/Human-wt/KOR/CAU219/2006/G1P[8]	EU679394		RVA/Human-wt/KOR/KUMS00-89/2000/G2P[X]	DQ478423
	RVA/Human-wt/KOR/KUMS00-54/2000/G1P[X]	DQ478409		RVA/Human-wt/KOR/KUMS00-105/2000/G2P[X]	DQ478426
	RVA/Human-wt/KOR/KUMS00-76/2000/G1P[X]	DQ478421		RVA/Human-wt/KOR/KUMS00-128/2000/G2P[X]	DQ478434
	RVA/Human-wt/KOR/KUMS00-91/2000/G1P[X]	DQ478424		RVA/Human-wt/KOR/KUMS01-18/2001/G2P[X]	DQ478419
	RVA/Human-wt/KOR/KUMS00-93/2000/G1P[X]	DQ478425		RVA/Human-wt/KOR/KUMS01-24/2001/G2P[X]	DQ478431
	RVA/Human-wt/KOR/KUMS01-2/2001/G1P[X]	DQ478413		RVA/Human-wt/KOR/KUMS01-29/2001/G2P[X]	DQ478435
	RVA/Human-wt/KOR/KUMS01-13/2001/G1P[X]	DQ478427		RVA/Human-wt/KOR/KUMS02-5/2002/G2P[X]	DQ478417
	RVA/Human-wt/KOR/KUMS01-21/2001/G1P[X]	DQ478430		RVA/Human-wt/KOR/KUMS02-19/2002/G2P[X]	DQ478438
	RVA/Human-wt/KOR/KUMS01-27/2001/G1P[X]	DQ478433	G3	RVA/Human-wt/KOR/Seoul-397/2009/G2P[X]	HM130951
	RVA/Human-wt/KOR/KUMS02-1/2002/G1P[X]	DQ478415		RVA/Human-wt/KOR/Seoul-556/2009/G2P[X]	HM130952
	RVA/Human-wt/KOR/KUMS02-11/2002/G1P[X]	DQ478436		RVA/Human-wt/KOR/Seoul-558/2009/G2P[X]	HM130953
	RVA/Human-wt/KOR/Seoul-006/2007/G1P[X]	HM130920		RVA/Human-wt/KOR/Seoul-637/2009/G2P[X]	HM130954
	RVA/Human-wt/KOR/Seoul-023/2007/G1P[X]	HM130921		RVA/Human-wt/KOR/Seoul-708/2009/G2P[X]	HM130955
	RVA/Human-wt/KOR/Seoul-033/2008/G1P[X]	HM130922		RVA/Human-wt/KOR/Seoul-710/2009/G2P[X]	HM130956
	RVA/Human-wt/KOR/Seoul-039/2008/G1P[X]	HM130923		RVA/Human-wt/KOR/Seoul-502/2009/G3P[X]	HM130957
	RVA/Human-wt/KOR/Seoul-040/2008/G1P[X]	HM130924		RVA/Human-wt/KOR/Seoul-565/2009/G3P[X]	HM130958
	RVA/Human-wt/KOR/Seoul-044/2008/G1P[X]	HM130925		RVA/Human-wt/KOR/Seoul-588/2009/G3P[X]	HM130959
	RVA/Human-wt/KOR/Seoul-045/2008/G1P[X]	HM130926		RVA/Human-wt/KOR/Seoul-592/2009/G3P[X]	HM130960
	RVA/Human-wt/KOR/Seoul-074/2008/G1P[X]	HM130927		RVA/Human-wt/KOR/Seoul-593/2009/G3P[X]	HM130961
	RVA/Human-wt/KOR/Seoul-291/2008/G1P[X]	HM130928		RVA/Human-wt/KOR/Seoul-601/2009/G3P[X]	HM130962
	RVA/Human-wt/KOR/Seoul-379/2008/G1P[X]	HM130929		RVA/Human-wt/KOR/Seoul-615/2009/G3P[X]	HM130963
	RVA/Human-wt/KOR/Seoul-396/2008/G1P[X]	HM130930		RVA/Human-wt/KOR/Seoul-620/2009/G3P[X]	HM130964
	RVA/Human-wt/KOR/Seoul-412/2009/G1P[X]	HM130931	G4	RVA/Human-wt/KOR/Seoul-638/2009/G3P[X]	HM130965
	RVA/Human-wt/KOR/Seoul-413/2009/G1P[X]	HM130932		RVA/Human-wt/KOR/Seoul-639/2009/G3P[X]	HM130966
	RVA/Human-wt/KOR/Seoul-416/2009/G1P[X]	HM130933		RVA/Human-wt/KOR/Seoul-644/2009/G3P[X]	HM130967
	RVA/Human-wt/KOR/Seoul-423/2009/G1P[X]	HM130934		RVA/Human-wt/KOR/Seoul-650/2009/G3P[X]	HM130968
	RVA/Human-wt/KOR/Seoul-455/2009/G1P[X]	HM130935		RVA/Human-wt/KOR/Seoul-652/2009/G3P[X]	HM130969
	RVA/Human-wt/KOR/Seoul-458/2009/G1P[X]	HM130936		RVA/Human-wt/KOR/Seoul-659/2009/G3P[X]	HM130970
	RVA/Human-wt/KOR/Seoul-491/2009/G1P[X]	HM130937		RVA/Human-wt/KOR/Seoul-665/2009/G3P[X]	HM130971
	RVA/Human-wt/KOR/Seoul-504/2009/G1P[X]	HM130938		RVA/Human-wt/KOR/Seoul-688/2009/G3P[X]	HM130972
	RVA/Human-wt/KOR/Seoul-566/2009/G1P[X]	HM130939		RVA/Human-wt/KOR/GILL1-3/2007/G4P[6]	FJ603434
	RVA/Human-wt/KOR/Seoul-642/2009/G1P[X]	HM130940		RVA/Human-wt/KOR/GILL1-7/2007/G4P[6]	FJ603435
	RVA/Human-wt/KOR/Seoul-656/2009/G1P[X]	HM130941		RVA/Human-wt/KOR/GILL1-9/2007/G4P[6]	FJ603436
	RVA/Human-wt/KOR/Seoul-658/2009/G1P[X]	HM130942		RVA/Human-wt/KOR/GILL1-10/2007/G4P[6]	FJ603437
	RVA/Human-wt/KOR/Seoul-660/2009/G1P[X]	HM130943		RVA/Human-wt/KOR/GILL1-14/2007/G4P[6]	FJ603438
	RVA/Human-wt/KOR/Seoul-661/2009/G1P[X]	HM130944		RVA/Human-wt/KOR/GILL1-19/2007/G4P[6]	FJ603439
	RVA/Human-wt/KOR/Seoul-664/2009/G1P[X]	HM130945		RVA/Human-wt/KOR/GILL1-20/2007/G4P[6]	FJ603440
	RVA/Human-wt/KOR/Seoul-668/2009/G1P[X]	HM130946		RVA/Human-wt/KOR/GILL2-4/2007/G4P[6]	FJ603441

Genotype	Strain name	Accession number
	RVA/Human-wt/KOR/GILL2-9/2007/G4P[6]	FJ603442
	RVA/Human-wt/KOR/GILL2-13/2007/G4P[6]	FJ603443
	RVA/Human-wt/KOR/GILL2-15/2007/G4P[6]	FJ603444
	RVA/Human-wt/KOR/GILL2-19/2007/G4P[6]	FJ603445
	RVA/Human-wt/KOR/GILL3-2/2008/G4P[6]	FJ603446
	RVA/Human-wt/KOR/GILL3-8/2008/G4P[6]	FJ603447
	RVA/Human-wt/KOR/GILL3-12/2008/G4P[6]	FJ603448
	RVA/Human-wt/KOR/GILL3-14/2008/G4P[6]	FJ603449
	RVA/Human-wt/KOR/GILL3-15/2008/G4P[6]	FJ603450
	RVA/Human-wt/KOR/GILL3-16/2008/G4P[6]	FJ603451
	RVA/Human-wt/KOR/GILL3-24/2008/G4P[6]	FJ603452
	RVA/Human-wt/KOR/KUMS00-8/2000/G4P[X]	DQ478411
	RVA/Human-wt/KOR/KUMS00-11/2000/G4P[X]	DQ478412
	RVA/Human-wt/KOR/KUMS00-22/2000/G4P[X]	DQ478416
	RVA/Human-wt/KOR/KUMS00-74/2000/G4P[X]	DQ478420
	RVA/Human-wt/KOR/KUMS00-126/2000/G4P[X]	DQ478432
	RVA/Human-wt/KOR/KUMS01-15/2001/G4P[X]	DQ478428
	RVA/Human-wt/KOR/KUMS02-13/2001/G4P[X]	DQ478437
	RVA/Human-wt/KOR/Seoul-017/2007/G9P[X]	HM130973
	RVA/Human-wt/KOR/Seoul-020/2007/G9P[X]	HM130974
	RVA/Human-wt/KOR/Seoul-021/2007/G9P[X]	HM130975
	RVA/Human-wt/KOR/Seoul-028/2007/G9P[X]	HM130976
	RVA/Human-wt/KOR/Seoul-029/2007/G9P[X]	HM130977
	RVA/Human-wt/KOR/Seoul-373/2008/G9P[X]	HM130978
	RVA/Human-wt/KOR/Seoul-378/2008/G9P[X]	HM130979
	RVA/Human-wt/KOR/Seoul-431/2009/G9P[X]	HM130980
	RVA/Human-tc/KOR/CAU09-371/2009/G9P[8]	JF766594
	RVA/Human-tc/KOR/CAU05-202/2005/G9P[8]	JF766583
	RVA/Human-tc/KOR/CAU09-376/2009/G9P[8]	JF766605
	RVA/Human-tc/KOR/CAU08-350/2008/G9P[8]	JQ253562
G9	RVA/Human-tc/KOR/CAU08-463/2008/G9P[8]	JQ253563
	RVA/Human-tc/KOR/CAU08-476/2008/G9P[8]	JQ253564
	RVA/Human-tc/KOR/CAU08-488/2008/G9P[8]	JQ253565
	RVA/Human-tc/KOR/CAU09-379/2009/G9P[8]	JQ253566
	RVA/Human-tc/KOR/CAU09-383/2009/G9P[8]	JQ253567
	RVA/Human-tc/KOR/CAU09-404/2009/G9P[8]	JQ253568
	RVA/Human-tc/KOR/CAU10-2/2010/G9P[8]	JQ253569
	RVA/Human-tc/KOR/CAU10-10/2010/G9P[8]	JQ253570
	RVA/Human-tc/KOR/CAU10-55/2010/G9P[8]	JQ253571
	RVA/Human-tc/KOR/CAU10-84/2010/G9P[8]	JQ253572
	RVA/Human-tc/KOR/CAU10-101/2010/G9P[8]	JQ253573
	RVA/Human-tc/KOR/CAU10-456/2010/G9P[8]	JQ253574
	RVA/Human-tc/KOR/CAU10-472/2010/G9P[8]	JQ253575
	RVA/Human-tc/KOR/CAU10-474/2010/G9P[8]	JQ253576
G11	RVA/Human-wt/KOR/CAU11/XXXX/G11P[4]	EF121951
	RVA/Human-wt/KOR/CAU12-2/2012/G11P[25]	KC140587
G12	RVA/Human-tc/KOR/CAU195/2004-06/G12P[6]	EF059916

Genotype	Strain name	Accession number
	RVA/Human-tc/KOR/CAU214/2004-06/G12P[6]	EF059917
	RVA/Human-wt/KOR/Seoul-553/2009/G12P[X]	HM130981
	RVA/Human-wt/KOR/Seoul-681/2009/G12P[X]	HM130982
	RVA/Human-wt/KOR/Seoul-397/2009/G2P[4]	HM131048
	RVA/Human-wt/KOR/Seoul-556/2009/G2P[4]	HM131049
	RVA/Human-wt/KOR/Seoul-558/2009/G2P[4]	HM131050
	RVA/Human-wt/KOR/Seoul-637/2009/G2P[4]	HM131051
	RVA/Human-wt/KOR/Seoul-708/2009/G2P[4]	HM131052
P[4]	RVA/Human-wt/KOR/Seoul-710/2009/G2P[4]	HM131053
	RVA/Human-wt/KOR/Seoul-620/2009/G3P[4]	HM131054
	RVA/Human-wt/KOR/Seoul-626/2009/G3P[4]	HM131055
	RVA/Human-wt/KOR/Seoul-026/2007/G9P[4]	HM131056
	RVA/Human-wt/KOR/Seoul-040/2008/G9P[4]	HM131057
	RVA/Human-wt/KOR/Seoul-420/2009/G9P[4]	HM131058
	RVA/Human-wt/KOR/Seoul-002/2007/G9P[6]	HM131059
	RVA/Human-wt/KOR/Seoul-337/2008/G4P[6]	HM131060
P[6]	RVA/Human-wt/KOR/CAU-1/2008-9/G11P[X]	HQ198807
	RVA/Human-tc/KOR/CAU195/2004-06/G12P[6]	EF059920
	RVA/Human-tc/KOR/CAU214/2004-06/G12P[6]	EF059921
	RVA/Human-wt/KOR/KMR792/2000-01/GxP[6]	EF077324
	RVA/Human-wt/KOR/KMR025/2000-01/GxP[6]	EF077348
	RVA/Human-wt/KOR/KMR028/2000-01/GxP[6]	EF077334
	RVA/Human-wt/KOR/KMR294/2000-01/GxP[6]	EF077352
	RVA/Human-wt/KOR/KMR053/2000-01/GxP[6]	EF077341
	RVA/Human-wt/KOR/KNIH08-120/2008/G12P[6]	JN979376
	RVA/Human-wt/KOR/KNIH08-347/2008/G12P[6]	JN979377
	RVA/Human-wt/KOR/CI-81/2006/G1P[8]	JN887809
	RVA/Human-wt/KOR/CAU136/2006/G1P[8]	EU679395
	RVA/Human-wt/KOR/CAU160/2006/G1P[8]	EU679396
	RVA/Human-wt/KOR/CAU163/2006/G1P[8]	EU679397
	RVA/Human-wt/KOR/CAU164/2006/G1P[8]	EU679398
P[8]	RVA/Human-wt/KOR/CAU200/2006/G1P[8]	EU679399
	RVA/Human-wt/KOR/CAU219/2006/G1P[8]	EU679400
	RVA/Human-wt/KOR/Seoul-006/2007/G1P[8]	HM130983
	RVA/Human-wt/KOR/Seoul-023/2007/G1P[8]	HM130984
	RVA/Human-wt/KOR/Seoul-033/2008/G1P[8]	HM130985
	RVA/Human-wt/KOR/Seoul-039/2008/G1P[8]	HM130986
	RVA/Human-wt/KOR/Seoul-040/2008/G1P[8]	HM130987
	RVA/Human-wt/KOR/Seoul-044/2008/G1P[8]	HM130988
	RVA/Human-wt/KOR/Seoul-045/2008/G1P[8]	HM130989
	RVA/Human-wt/KOR/Seoul-074/2008/G1P[8]	HM130990
	RVA/Human-wt/KOR/Seoul-291/2008/G1P[8]	HM130991
	RVA/Human-wt/KOR/Seoul-379/2008/G1P[8]	HM130992
	RVA/Human-wt/KOR/Seoul-396/2009/G1P[8]	HM130993
	RVA/Human-wt/KOR/Seoul-412/2009/G1P[8]	HM130994
	RVA/Human-wt/KOR/Seoul-413/2009/G1P[8]	HM130995
	RVA/Human-wt/KOR/Seoul-416/2009/G1P[8]	HM130996

Genotype	Strain name	Accession number
	RVA/Human-wt/KOR/Seoul-423/2009/G1P[8]	HM130997
	RVA/Human-wt/KOR/Seoul-455/2009/G1P[8]	HM130998
	RVA/Human-wt/KOR/Seoul-458/2009/G1P[8]	HM130999
	RVA/Human-wt/KOR/Seoul-491/2009/G1P[8]	HM131000
	RVA/Human-wt/KOR/Seoul-504/2009/G1P[8]	HM131001
	RVA/Human-wt/KOR/Seoul-566/2009/G1P[8]	HM131002
	RVA/Human-wt/KOR/Seoul-642/2009/G1P[8]	HM131003
	RVA/Human-wt/KOR/Seoul-656/2009/G1P[8]	HM131004
	RVA/Human-wt/KOR/Seoul-658/2009/G1P[8]	HM131005
	RVA/Human-wt/KOR/Seoul-660/2009/G1P[8]	HM131006
	RVA/Human-wt/KOR/Seoul-661/2009/G1P[8]	HM131007
	RVA/Human-wt/KOR/Seoul-664/2009/G1P[8]	HM131008
	RVA/Human-wt/KOR/Seoul-668/2009/G1P[8]	HM131009
	RVA/Human-wt/KOR/Seoul-669/2009/G1P[8]	HM131010
	RVA/Human-wt/KOR/Seoul-677/2009/G1P[8]	HM131011
	RVA/Human-wt/KOR/Seoul-697/2009/G1P[8]	HM131012
	RVA/Human-wt/KOR/Seoul-715/2009/G1P[8]	HM131013
	RVA/Human-wt/KOR/Seoul-502/2009/G3P[8]	HM131014
	RVA/Human-wt/KOR/Seoul-565/2009/G3P[8]	HM131015
	RVA/Human-wt/KOR/Seoul-588/2009/G3P[8]	HM131016
	RVA/Human-wt/KOR/Seoul-592/2009/G3P[8]	HM131017
	RVA/Human-wt/KOR/Seoul-593/2009/G3P[8]	HM131018
	RVA/Human-wt/KOR/Seoul-601/2009/G3P[8]	HM131019
	RVA/Human-wt/KOR/Seoul-615/2009/G3P[8]	HM131020
	RVA/Human-wt/KOR/Seoul-638/2009/G3P[8]	HM131021
	RVA/Human-wt/KOR/Seoul-639/2009/G3P[8]	HM131022
	RVA/Human-wt/KOR/Seoul-644/2009/G3P[8]	HM131023
	RVA/Human-wt/KOR/Seoul-650/2009/G3P[8]	HM131024
	RVA/Human-wt/KOR/Seoul-652/2009/G3P[8]	HM131025
	RVA/Human-wt/KOR/Seoul-665/2009/G3P[8]	HM131026
	RVA/Human-wt/KOR/Seoul-688/2009/G3P[8]	HM131027
	RVA/Human-wt/KOR/Seoul-017/2007/G9P[8]	HM131028
	RVA/Human-wt/KOR/Seoul-020/2007/G9P[8]	HM131029
	RVA/Human-wt/KOR/Seoul-021/2007/G9P[8]	HM131030
	RVA/Human-wt/KOR/Seoul-028/2007/G9P[8]	HM131031
	RVA/Human-wt/KOR/Seoul-029/2007/G9P[8]	HM131032
	RVA/Human-wt/KOR/Seoul-373/2008/G9P[8]	HM131033
	RVA/Human-wt/KOR/Seoul-378/2008/G9P[8]	HM131034
	RVA/Human-wt/KOR/Seoul-431/2009/G9P[8]	HM131035
	RVA/Human-wt/KOR/Seoul-032/2008/GXP[8]	HM131036
	RVA/Human-wt/KOR/Seoul-076/2008/GXP[8]	HM131037
	RVA/Human-wt/KOR/Seoul-372/2008/GXP[8]	HM131038
	RVA/Human-wt/KOR/Seoul-432/2009/GXP[8]	HM131039
	RVA/Human-wt/KOR/Seoul-600/2009/GXP[8]	HM131040
	RVA/Human-wt/KOR/Seoul-633/2009/GXP[8]	HM131041
	RVA/Human-wt/KOR/Seoul-647/2009/GXP[8]	HM131042
	RVA/Human-wt/KOR/Seoul-655/2009/GXP[8]	HM131043

Genotype	Strain name	Accession number
	RVA/Human-wt/KOR/Seoul-667/2009/GXP[8]	HM131044
	RVA/Human-wt/KOR/Seoul-671/2009/GXP[8]	HM131045
	RVA/Human-wt/KOR/Seoul-676/2009/GXP[8]	HM131046
	RVA/Human-wt/KOR/Seoul-720/2009/GXP[8]	HM131047
	RVA/Human-tc/KOR/CAU05-202/2005/G9P[8]	JF766581
	RVA/Human-tc/KOR/CAU09-371/2009/G9P[8]	JF766592
	RVA/Human-tc/KOR/CAU09-376/2009/G9P[8]	JF766603
	RVA/Human-tc/KOR/CAU08-463/2008/G9P[8]	JQ253577
	RVA/Human-tc/KOR/CAU08-476/2008/G9P[8]	JQ253578
	RVA/Human-tc/KOR/CAU08-488/2008/G9P[8]	JQ253579
	RVA/Human-tc/KOR/CAU09-379/2009/G9P[8]	JQ253580
	RVA/Human-tc/KOR/CAU09-383/2009/G9P[8]	JQ253581
	RVA/Human-tc/KOR/CAU09-404/2009/G9P[8]	JQ253582
	RVA/Human-tc/KOR/CAU10-2/2010/G9P[8]	JQ253583
	RVA/Human-tc/KOR/CAU10-10/2010/G9P[8]	JQ253584
	RVA/Human-tc/KOR/CAU10-55/2010/G9P[8]	JQ253585
	RVA/Human-tc/KOR/CAU10-84/2010/G9P[8]	JQ253586
	RVA/Human-tc/KOR/CAU10-101/2010/G9P[8]	JQ253587
	RVA/Human-tc/KOR/CAU10-456/2010/G9P[8]	JQ253588
	RVA/Human-tc/KOR/CAU10-472/2010/G9P[8]	JQ253589
	RVA/Human-tc/KOR/CAU10-474/2010/G9P[8]	JQ253590
P[25]	RVA/Human-wt/KOR/CAU12-2/2012/G11P[25]	KC140588