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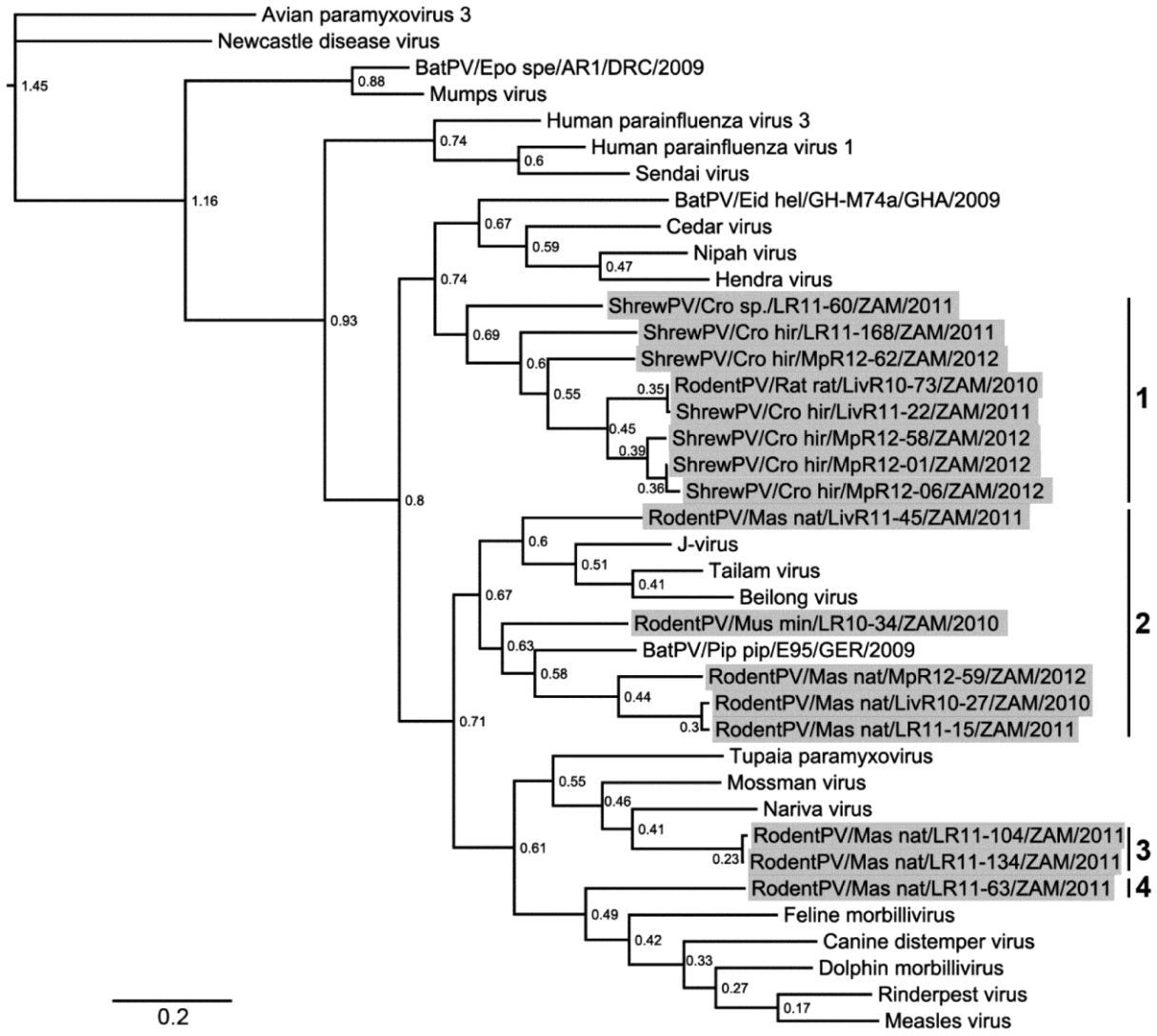


Figure S1. Bayesian phylogenetic analysis of a portion of the *L* gene in paramyxoviruses sequence. Larger *L* gene fragments (1586–1793 bp) were detected in rodent and shrew specimens. Phylogenetic analyses were performed using the Bayesian method and the GTR substitution model. The phylogenetic tree was visualized with FigTree v1.4. Paramyxoviruses detected in this study are indicated by shading (grey). Genotype 1, 2, 3, and 4 represent Henipavirus-, Tailam virus-, Mossman virus- and Morbillivirus-related paramyxoviruses, respectively. Bayesian posterior probabilities are indicated at each tree root. The scale bar represents a distance of 0.2 substitutions per site.

Supplementary Table S1. Viruses used in our phylogenetic analysis.

Genus	Name	Accession Number
Rubulavirus	Mumps virus	NC_005339
Avulavirus	Newcastle disease virus	NC_002617
	Avian paramyxovirus 3	EU403085
Respirovirus	Human parainfluenza virus 3	NC_001796
	Human parainfluenza virus 1	NC_003461
	Sendai virus	NC_001552
Morbillivirus	Canine distemper virus	NC_001921
	Dolphin morbillivirus	NC_005283
	Feline morbillivirus	JQ411014
	Rinderpest virus	NC_006296
	Measles virus	NC_001498
Henipavirus	Cedar virus	JQ001776
	Hendra virus	NC_001906
	Nipah virus	NC_002728
Unclassified	J-virus	AY900001
	Tailam virus	JN689227
	Beilong virus	NC_007803
	Tupaia paramyxovirus	AF079780
	Nariva virus	NC_017937
	Mossman virus	NC_005339
	BatPV/Eid hel/GH-M74a/GHA/2009	HQ660129
	BatPV/Epo spe/AR1/DRC/2009	HQ660095
	BatPV/Myo mys/E20/GER/2009	JN086950
	BatPV/Pip pip/E95/GER/2009	JN086951
	BatPV/Nyc noc/E155/GER/2009	JN086952
	BatPV/Pte vmp/IFBPV01/IDN/2010	AB691542
	BatPV/Pte sp./IFBPV32/IDN/2011	AB691544
	BatPV/Pte sp./IFBPV46/IDN/2011	AB691546
	BatPV/Eid hel/U5B/GHA/2010	JN648075
	BatPV/Eid hel/U5D/GHA/2010	JN648076

BatPV/Eid hel/U6A/GHA/2010	JN648085
BatPV/Eid hel/U6B/GHA/2010	JN648086
BatPV/Eid hel/U9D/GHA/2010	JN648089
BatPV/Eid hel/U46B/GHA/2010	JN648061
BatPV/Eid hel/U47F/GHA/2010	JN648064
BatPV/Eid hel/U53A/GHA/2010	JN648070
BatPV/Eid hel/U67J/GHA/2010	JN648079
BatPV/Eid hel/U67N/GHA/2010	JN648080
BatPV/Eid hel/U68E/GHA/2010	JN648081
BatPV/Eid hel/U68G/GHA/2010	JN648082
RodentPV/Aco sub/LR10-62/ZAM/2010	AB844333
RodentPV/Aco sub/LR11-113/ZAM/2011	AB844334
RodentPV/Aet chr/LR10-73/ZAM/2010	AB844335
RodentPV/Aet chr/LR11-99/ZAM/2011	AB844336
RodentPV/Aet chr/MpR12-53/ZAM/2012	AB844338
RodentPV/Arv sp./LR11-142/ZAM/2011	AB844339
ShrewPV/Cro hir/LivR11-01/ZAM/2011	AB844340
ShrewPV/Cro hir/LivR11-22/ZAM/2011	AB844341
ShrewPV/Cro hir/LR11-51/ZAM/2011	AB844342
ShrewPV/Cro hir/LR11-168/ZAM/2011	AB844343
ShrewPV/Cro hir/MpR12-01/ZAM/2012	AB844344
ShrewPV/Cro hir/MpR12-06/ZAM/2012	AB844345
ShrewPV/Cro hir/MpR12-12/ZAM/2012	AB844346
ShrewPV/Cro hir/MpR12-58/ZAM/2012	AB844347
ShrewPV/Cro hir/MpR12-62/ZAM/2012	AB844348
ShrewPV/Cro sp./LR11-60/ZAM/2011	AB844349
ShrewPV/Cro sp./LR11-110/ZAM/2011	AB844350
ShrewPV/Cro sp./LR11-126/ZAM/2011	AB844351
RodentPV/Ger leu/LR11-80/ZAM/2011	AB844352
RodentPV/Gra sp./LR11-23/ZAM/2011	AB844353
RodentPV/Hyl sp./LR11-171/ZAM/2011	AB844354
RodentPV/Mas nat/KasR11-03/ZAM/2011	AB844355

RodentPV/Mas nat/LivR10-19/ZAM/2010	AB844356
RodentPV/Mas nat/LivR10-20/ZAM/2010	AB844357
RodentPV/Mas nat/LivR10-27/ZAM/2010	AB844358
RodentPV/Mas nat/LivR10-32/ZAM/2010	AB844359
RodentPV/Mas nat/LivR10-34/ZAM/2010	AB844360
RodentPV/Mas nat/LivR10-62/ZAM/2010	AB844361
RodentPV/Mas nat/LivR10-63/ZAM/2010	AB844362
RodentPV/Mas nat/LivR11-15/ZAM/2011	AB844363
RodentPV/Mas nat/LivR11-17/ZAM/2011	AB844364
RodentPV/Mas nat/LivR11-30/ZAM/2011	AB844365
RodentPV/Mas nat/LivR11-36/ZAM/2011	AB844366
RodentPV/Mas nat/LivR11-45/ZAM/2011	AB844367
RodentPV/Mas nat/LivR11-46/ZAM/2011	AB844368
RodentPV/Mas nat/LivR11-48/ZAM/2011	AB844369
RodentPV/Mas nat/LR10-01/ZAM/2010	AB844370
RodentPV/Mas nat/LR10-40/ZAM/2010	AB844371
RodentPV/Mas nat/LR10-44/ZAM/2010	AB844372
RodentPV/Mas nat/LR10-48/ZAM/2010	AB844373
RodentPV/Mas nat/LR10-51/ZAM/2010	AB844374
RodentPV/Mas nat/LR10-80/ZAM/2010	AB844375
RodentPV/Mas nat/LR11-15/ZAM/2011	AB844376
RodentPV/Mas nat/LR11-30/ZAM/2011	AB844377
RodentPV/Mas nat/LR11-42/ZAM/2011	AB844378
RodentPV/Mas nat/LR11-48/ZAM/2011	AB844379
RodentPV/Mas nat/LR11-49/ZAM/2011	AB844380
RodentPV/Mas nat/LR11-59/ZAM/2011	AB844381
RodentPV/Mas nat/LR11-63/ZAM/2011	AB844382
RodentPV/Mas nat/LR11-66/ZAM/2011	AB844383
RodentPV/Mas nat/LR11-67/ZAM/2011	AB844384
RodentPV/Mas nat/LR11-68/ZAM/2011	AB844385
RodentPV/Mas nat/LR11-73/ZAM/2011	AB844386
RodentPV/Mas nat/LR11-76/ZAM/2011	AB844387

RodentPV/Mas nat/LR11-77/ZAM/2011	AB844388
RodentPV/Mas nat/LR11-81/ZAM/2011	AB844389
RodentPV/Mas nat/LR11-85/ZAM/2011	AB844390
RodentPV/Mas nat/LR11-87/ZAM/2011	AB844391
RodentPV/Mas nat/LR11-88/ZAM/2011	AB844392
RodentPV/Mas nat/LR11-90/ZAM/2011	AB844393
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RodentPV/Mas nat/LR11-92/ZAM/2011	AB844395
RodentPV/Mas nat/LR11-93/ZAM/2011	AB844396
RodentPV/Mas nat/LR11-94/ZAM/2011	AB844397
RodentPV/Mas nat/LR11-97/ZAM/2011	AB844398
RodentPV/Mas nat/LR11-100/ZAM/2011	AB844399
RodentPV/Mas nat/LR11-101/ZAM/2011	AB844400
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RodentPV/Mas nat/LR11-146/ZAM/2011	AB844410
RodentPV/Mas nat/LR11-148/ZAM/2011	AB844411
RodentPV/Mas nat/LR11-149/ZAM/2011	AB844412
RodentPV/Mas nat/LR11-152/ZAM/2011	AB844413
RodentPV/Mas nat/LR11-154/ZAM/2011	AB844414
RodentPV/Mas nat/LR11-157/ZAM/2011	AB844415
RodentPV/Mas nat/LR11-172/ZAM/2011	AB844416
RodentPV/Mas nat/MpR12-07/ZAM/2012	AB844417
RodentPV/Mas nat/MpR12-10/ZAM/2012	AB844418
RodentPV/Mas nat/MpR12-19/ZAM/2012	AB844419

	RodentPV/Mas nat/MpR12-48/ZAM/2012	AB844420
	RodentPV/Mas nat/MpR12-51/ZAM/2012	AB844421
	RodentPV/Mas nat/MpR12-59/ZAM/2012	AB844422
	RodentPV/Mas nat/MpR12-67/ZAM/2012	AB844423
	RodentPV/Mus min/LR10-34/ZAM/2010	AB844424
	RodentPV/Mus min/LR11-22/ZAM/2011	AB844425
	RodentPV/Rat rat/LivR10-73/ZAM/2010	AB844426
	RodentPV/Rat rat/LivR10-74/ZAM/2010	AB844427
	RodentPV/Ste sp./MpR12-52/ZAM/2012	AB844428
	RodentPV/Sac sp./MpR12-55/ZAM/2012	AB844429