

### Supplementary Fig. 1.

Alignment of the feline, canine and raccoon Tfr sequences, showing the positions in the receptor that differ between the different species. Residues identical to the raccoon Tfr (.) and gaps (-) are indicated. The glycosylation site unique to the canine Tfr that restricts FPV binding is labeled by a shaded red box. The helical domain (yellow), protease-like domain (blue) and apical domain (green) are indicated, as are the cytoplasmic tail (orange) and the transmembrane domain (magenta).

Canine Tfr	.....M..N....P....C.....	80
Raccoon Tfr	MMDQARSASFSTLFGGPEPLSYTRFSLARQVDGDNHVMKLADEEENVDNNVRGSHASVTKPKRFNGFICYGTIAVVLFF	80
Feline Tfr	.....M.DNG.....II...	80
Canine Tfr	.....G....T...A.GT.R.E...T..YF...P.....T.LS...S...FTN.M.W....	160
Raccoon Tfr	LIGFMIGYLYGCKRVEPKAECERPSGTESLAIEGTAPSENEEDVPETSSRLFMTDLKMKFLERLNGTDLVLTIRLLNENS	160
Feline Tfr	.....A.S.....A.....EV...E...T..YF..AP.H...S...T.LS.K.S..EFTS...Q....	160
Canine Tfr	.....LL...RF.EFQ..KS.R....E.....N.Q.T....DME.DL...A.....T....	240
Raccoon Tfr	YVPREAGSQKDESLAFFIENQLRITYLLSRVWHDEYFVKIQVKSARSNSVTIVGTDSGVVYLVESPEGYVAYSKAATVTG	240
Feline Tfr	.F.....RF.ELQ..KA.....V...G...S.....N..M.....	239
Canine Tfr	...V.....K.PV....A.....Y..L....M..A...V..R..F.....	320
Raccoon Tfr	RLVHANFGTKKDFENLNSRANGSLVIVRAGKITFAEKVANAQSFNAIGVLIYKQSRFPIINAEIPVFGHAHLGTGDPYT	320
Feline Tfr	.....PV.....E.....M..AK...T...F.....	319
Canine Tfr	.....I.P.....S.K. <b>N</b> .....V.	400
Raccoon Tfr	PGFPSFNHTQFPSPQSGLPSIPQVTISRAAAEKL FENMEGDCPSAWETDSSCRLET SQNRNKLTVNNVLKEIRIFNIF	400
Feline Tfr	.....N.....N....G.....R.W...S.....V.	399
Canine Tfr	.....I.....L..G.K.....	480
Raccoon Tfr	GVIKGFEEPDYVYVGAQRDAWGPGAAKSSVGTALLLELARI FSDMVTKGDFRPSRSIVFASWSAGDFGATEWLEGY	480
Feline Tfr	.....H.....L...L..G.K.....V.....	479
Canine Tfr	.....I.....L.....I.....I...KL.....	560
Raccoon Tfr	LSSLHLKAFYINLDKAVLGTSNFKVSASPLLYSLIEKTMKDVKHPVTGQSLYRDSNWSNKVEEFLDNAAFPLAYSIGI	560
Feline Tfr	.....V.....I...K.....	559
Canine Tfr	.....T..L..N.NQ....N.....T.....R.....M.Q...	640
Raccoon Tfr	PAVSFCFCEDTDYPYLGTMPDYEKLSKIPQLSKMARGAAEVAGQLIMKLVYDLELNLNYEMYNDKILSFVRDVRNFRFT	640
Feline Tfr	.....T..V...IQ.V...N...A.....T.....S...A	639
Canine Tfr	.....Y.....FV.....HN.....P	720
Raccoon Tfr	DIKEMGLNLQWLYSARGDFFRATSRLTTDIKNAERTNRYIMREINDRIMKVEYHFLSPYVSPRDSRPFRIHFWGSGSHTLS	720
Feline Tfr	.....YR.....F..D.....R.....E.....T.....	719
Canine Tfr	..V.....K.....F.	770
Raccoon Tfr	ALLEHLKLRQKNNSAFNETLLRNQLALATWTIQGAANALSGDIWDIDNEL.	770
Feline Tfr	.....E.I.....F.....T.....F.	769

GenBank Accession Number	Sample Name
<b>Table 1 VP2 gene sequences.</b>	
U22189	FPV/Cat/US/FPV-d/64
D00765	MEV/Mink/Japan/Abashiri/78
EU698028	BFPV/Blue_fox/China/Tai`an/07
D88287	FPV/Cat/France/PLI-IV/68
M24002	FPV/Cat/UK/FPV-a/62
EU498717	FPV/Cat/UK/50-2/07
EU498719	FPV/Cat/UK/490/07
U22187	FPV/Cat/ID/FPV-23/90
EU498714	FPV/Cat/UK/97-11/06
X55115	FPV/Cat/Australia/193/70
EU498713	FPV/Cat/UK/97-10/06
FJ440714	FPV/Cat/Argentina/ARG08/07
FJ440712	FPV/Cat/Argentina/ARG06/07
FJ440711	FPV/Cat/Argentina/ARG05/07
FJ440713	FPV/Cat/Argentina/ARG07/07
EU659113	FPV/Mountain_lion/CO/FPV-8a/89
EU659114	FPV/Mountain_lion/CO/FPV-8b/89
AB000052	FPV/Cat/Japan/AO1/94
AB000068	FPV/Cat/Japan/TU4/75
AB000066	FPV/Cat/Japan/TU2/75
AB000064	FPV/Cat/Japan/TU12/79
AB000070	FPV/Cat/Japan/TU8/76-77
AB000054	FPV/Cat/Japan/Fukagawa/93
D88286	FPV/Cat/Japan/483/90
AB000061	FPV/Cat/Japan/Som4/95
AB000050	FPV/Cat/Japan/94-1/94
AB000059	FPV/Cat/Japan/Som1/94
<b>JN867594</b>	<b>FPV/Raccoon/NJ/RPV-6/90</b>
EU659111	FPV/Cat/US/FPV-3/67
<b>JN867593</b>	<b>FPV/Raccoon/CA/208-A/10</b>
M24004	FPV/Cat/US/FPV-b/67
<b>JN867595</b>	<b>FPV/Raccoon/TX/Rac2.2/78</b>
<b>JN867596</b>	<b>FPV/Raccoon/TX/Rac1.2/78</b>
<b>M24005</b>	<b>RPV/Raccoon/TX/Rac1.1/78</b>
EU659112	FPV/Cat/US/FPV-4/64
M23999	MEV/Mink/WI/MEV-a/73
AB000056	FPV/Cat/Japan/Obihiro/74
EU498707	FPV/Cat/Italy/42-G12/06
EU498701	FPV/Cat/Italy/42-G5/06

EU498718 FPV/Cat/Italy/443/07  
EU498720 FPV/Cat/Italy/498/07  
FJ712217 MEV/Mink/China/Suning/08  
FJ712219 MEV/Mink/China/Manzhouli/08  
FJ712218 MEV/Mink/China/Dalian/08  
FJ712221 MEV/Mink/China/LYT-2/08  
FJ712220 MEV/Mink/China/MDQ/08  
EU498716 FPV/Cat/UK/50-1/07  
EU498683 FPV/Cat/Italy/41/02  
EU498682 FPV/Cat/Italy/198/01  
EU145593 FPV/Asian\_palm\_civet/Malaysia/389/07  
EU360959 FPV/Cat/Hungary/1335/07  
EU360958 FPV/Cat/Hungary/933/07  
EU498699 FPV/Cat/Italy/42-G3/06  
EU498706 FPV/Cat/Italy/42-G11/06  
EU498705 FPV/Cat/Italy/42-G10/06  
EU498692 FPV/Cat/Italy/143/04  
EU498690 FPV/Cat/Italy/134-3/04  
U22188 FPV/Cat/Germany/FPV-377/93  
EU498704 FPV/Cat/Italy/42-G8/06  
EU498693 FPV/Cat/Italy/355/04  
EU498698 FPV/Cat/Italy/42-G2/06  
EU498686 FPV/Cat/Italy/189/03  
EU221281 FPV/Cat/Portugal/31609/06  
AB054225 FPV/Cat/Vietnam/V142/97  
AB054226 FPV/Cat/Vietnam/V208/97  
AB054227 FPV/Cat/Vietnam/V211/97  
FJ936171 FPV/Cat/China/ChangC/08  
EU697387 FPV/Tiger/China/HT-163/07  
FJ405225 FPV/Tiger/China/TCH08/08  
EU697384 FPV/Tiger/China/HT-290/07  
EU697383 FPV/Tiger/China/HT-262/07  
EU697386 FPV/Tiger/China/HT-374/07  
EU498687 FPV/Cat/Italy/300/03  
EU498684 FPV/Cat/Italy/103/02  
EU498712 FPV/Cat/Italy/42-G19/06  
EU498694 FPV/Cat/Italy/20/05  
EU498700 FPV/Cat/Italy/42-G4/06  
EU498691 FPV/Cat/Italy/134-5/04  
EU498715 FPV/Cat/Italy/228/06  
EU498688 FPV/Cat/Italy/134-1/04  
EU498685 FPV/Cat/Italy/150/03  
EU498695 FPV/Cat/Italy/119/05

EU498711	FPV/Cat/Italy/42-G18/06
EU498702	FPV/Cat/Italy/42-G6/06
EU498696	FPV/Cat/Italy/22/06
EU498708	FPV/Cat/Italy/42-G14/06
EU221280	FPV/Cat/Portugal/39897/06
EU221278	FPV/Cat/Portugal/52171/05
EU221279	FPV/Cat/Portugal/46912/05
EF418569	FPV/Lion/Portugal/LPT06/06
EF418568	FPV/Tiger/Portugal/TPT06/06
EU498697	FPV/Cat/Italy/42-G1/06
EU498689	FPV/Cat/Italy/134-2/04
EU498703	FPV/Cat/Italy/42-G7/06
EU498710	FPV/Cat/Italy/42-G17/06
EU498709	FPV/Cat/Italy/42-G16/06
EU659115	FPV/Cat/US/Kai/06
U22185	BFPV/Blue_fox/Finland/BFPV-1/83
FJ231389	FPV/Monkey/China/BJ-22/08
FJ435344	CPV-2/Dog/China/CN-3/08
FJ435348	CPV-2/Dog/China/CN-7/08
FJ435342	CPV-2/Dog/China/CN-1/08
U22193	CPV-2/Raccoon_dog/Finland/RD-87/87
U22192	CPV-2/Raccoon_dog/Finland/RD-80/80
EU659117	CPV-2/Dog/NY/CPV-6/79
M23255	CPV-2/Dog/NY/CPV-d/79
EU659116	CPV-2/Dog/FL/CPV-5/80
U22186	CPV-2/Dog/US/CPV-128/79
FJ222824	CPV-2/Dog/Italy/388-3/05
EU441280	CPV/Masked_palm_civet/China/HeN02/08
JN867598	CPV/Bobcat/KS/44/10
JN867618	CPV/Raccoon/WI/37/10
JN867612	CPV/Raccoon/TN/351/09
JN867610	CPV/Raccoon/VA/118-A/07
JN867611	CPV/Raccoon/KY/358-B/09
JN867599	CPV/Raccoon/KY/39552/09
JN867600	CPV/Raccoon/KY/33817/09
JN867616	CPV/Raccoon/GA/289/08
JN867615	CPV/Raccoon/GA/287/08
JN867617	CPV/Raccoon/GA/349/08
JN867613	CPV/Raccoon/FL/381/09
JN867597	CPV/Raccoon/NY/94742/10
JN867614	CPV/Raccoon/VA/278-A/09
AB054222	CPV-2a/Leopard_cat/Vietnam/V139/97
AB054223	CPV-2a/Leopard_cat/Vietnam/V140/97

DQ340431	CPV-2a/Dog/Brazil/BR56/95
DQ340428	CPV-2a/Dog/Brazil/BR209/94
DQ340411	CPV-2a/Dog/Brazil/BR8/90
DQ340433	CPV-2a/Dog/Brazil/BR7168/00
DQ340417	CPV-2a/Dog/Brazil/BR52/91
DQ340425	CPV-2a/Dog/Brazil/BR227/93
DQ340424	CPV-2a/Dog/Brazil/BR137/90
DQ340421	CPV-2a/Dog/Brazil/BR597/92
DQ340429	CPV-2a/Dog/Brazil/BR237/94
DQ340434	CPV-2a/Dog/Brazil/BR8155/00
DQ340420	CPV-2a/Dog/Brazil/BR593/92
DQ340415	CPV-2a/Dog/Brazil/BR43/90
DQ340419	CPV-2a/Dog/Brazil/BR570/92
DQ340423	CPV-2a/Dog/Brazil/BR136/93
DQ340426	CPV-2a/Dog/Brazil/BR84/94
DQ340414	CPV-2a/Dog/Brazil/BR31/90
DQ340432	CPV-2a/Dog/Brazil/BR62/95
DQ340427	CPV-2a/Dog/Brazil/BR133/94
DQ340418	CPV-2a/Dog/Brazil/BR491/92
DQ340416	CPV-2a/Dog/Brazil/BR47/91
DQ340422	CPV-2a/Dog/Brazil/BR22/93
DQ340412	CPV-2a/Dog/Brazil/BR17/90
DQ340413	CPV-2a/Dog/Brazil/BR18/90
FJ869128	CPV-2a/Dog/Thailand/KU11/04
FJ005257	CPV-2a/Dog/Italy/54/08
AF306446	CPV-2a/Dog/Italy/584/94
AB054217	CPV-2a/Cat/Vietnam/V154/97
DQ026002	CPV-2a/Dog/France/S33/04
AF306448	CPV-2a/Dog/Italy/677/98
DQ025959	CPV-2a/Dog/France/C3/03
AF306447	CPV-2a/Dog/Italy/618/95
DQ025944	CPV-2a/Dog/France/B2/02
FJ005259	CPV-2a/Dog/Italy/100/08
FJ005253	CPV-2a/Dog/Italy/67/05
DQ025999	CPV-2a/Dog/France/S30/04
DQ025986	CPV-2a/Dog/France/S17/04
DQ025982	CPV-2a/Dog/France/S13/04
DQ026000	CPV-2a/Dog/France/S31/04
DQ025996	CPV-2a/Dog/France/S27/04
DQ025943	CPV-2a/Dog/France/S1/01
AF393506	CPV-2a/Dog/Italy/699/00
FJ005256	CPV-2a/Dog/Italy/17/08
DQ025958	CPV-2a/Dog/France/C2/03

FJ005255	CPV-2a/Dog/Italy/333/05
DQ025998	CPV-2a/Dog/France/S29/04
AY742935	CPV-2a/Dog/Germany/CPV-U6/96
DQ025963	CPV-2a/Dog/France/C7/03
DQ025962	CPV-2a/Dog/France/C6/03
DQ025983	CPV-2a/Dog/France/S14/04
DQ025993	CPV-2a/Dog/France/S24/04
DQ025946	CPV-2a/Dog/France/B4/02
DQ025947	CPV-2a/Dog/France/B5/02
FJ005252	CPV-2a/Dog/Italy/96/02
DQ025995	CPV-2a/Dog/France/S26/04
DQ025984	CPV-2a/Dog/France/S15/04
DQ025971	CPV-2a/Dog/France/C11/04
DQ025957	CPV-2a/Dog/France/C1/03
DQ025945	CPV-2a/Dog/France/B3/02
DQ025967	CPV-2a/Dog/France/S3/03
DQ026001	CPV-2a/Dog/France/S32/04
AB054215	CPV-2a/Cat/Vietnam/V120/97
AB054216	CPV-2a/Cat/Vietnam/V129/97
DQ025997	CPV-2a/Dog/France/S28/04
AY742933	CPV-2a/Dog/New_Zealand/CPV-339/94
FJ197823	CPV-2a/Dog/South_Korea/CPVK1/07
EF599096	CPV-2a/Dog/South_Korea/DH426/05
FJ869132	CPV-2a/Dog/Thailand/KU19/04
FJ869133	CPV-2a/Dog/Thailand/KU21/04
FJ869130	CPV-2a/Dog/Thailand/KU13/04
FJ869138	CPV-2a/Dog/Thailand/KU53/03
FJ869131	CPV-2a/Dog/Thailand/KU18/04
FJ869129	CPV-2a/Dog/Thailand/KU12/04
FJ869127	CPV-2a/Dog/Thailand/KU9/04
FJ869126	CPV-2a/Dog/Thailand/KU5/08
GQ169538	CPV-2a/Dog/China/wh-2/06-08
EF666060	CPV-2a/Dog/China/BJ005/07
EF666062	CPV-2a/Dog/China/BJ010/07
GQ379044	CPV-2a/Dog/Thailand/KU143/09
GQ379046	CPV-2a/Dog/Thailand/KU531/09
GQ379042	CPV-2a/Thailand/KU13/08
GQ379043	CPV-2a/Dog/Thailand/KU14/08
GQ379048	CPV-2a/Dog/Thailand/KU739/09
GQ379047	CPV-2a/Dog/Thailand/KU616/09
GQ379049	CPV-2a/Dog/Thailand/KU18/08
GQ379045	CPV-2a/Dog/Thailand/KU146/09
GQ169539	CPV-2a/Dog/China/wh-3/06-08

GQ169547	CPV-2a/Dog/China/bj-3/06-08
FJ432717	CPV-2a/Dog/China/5-WH/08
FJ435345	CPV-2a/Dog/China/CN-4/08
EF666067	CPV-2a/Dog/China/BJ020/07
EU145955	CPV-2a/Dog/China/BJ050/07
EU145959	CPV-2a/Dog/China/BJ077/07
EU145958	CPV-2/Dog/China/BJ069/07
GQ169546	CPV-2a/Dog/China/bj-2/06-08
EF666059	CPV-2a/Dog/China/BJ004/07
GQ169551	CPV-2a/Dog/China/2-nj/06-08
EU145953	CPV-2a/Dog/China/BJ034/07
FJ197841	CPV-2a/Dog/South_Korea/CPVK19/07
GQ169545	CPV-2a/Dog/China/bj-1/06-08
GQ169541	CPV-2a/Dog/China/wh-5/06-08
GQ169543	CPV-2a/Dog/China/wh-7/06-08
EF666066	CPV-2a/Dog/China/BJ018/07
EF666061	CPV-2a/Dog/China/BJ008/07
FJ435347	CPV-2a/Dog/China/CN-6/08
EU145956	CPV-2a/Dog/China/BJ064/07
EF011664	CPV-2a/Dog/China/B2004/04
GQ169542	CPV-2a/Dog/China/wh-6/06-08
EU697385	CPV-2a/Dog/China/HLJ-JQ/07
GQ169549	CPV-2a/Dog/China/bj-5/06-08
FJ869137	CPV-2a/Dog/Thailand/KU52/03
FJ869134	CPV-2a/Dog/Thailand/KU23/03
DQ354068	CPV-2a/Red_panda/China/RPPV/04
U72698	CPV-2a/Dog/Taiwan/T37/95
FJ197828	CPV-2a/Dog/South_Korea/CPVK6/07
FJ197829	CPV-2a/Dog/South_Korea/CPVK7/07
FJ197824	CPV-2a/Dog/South_Korea/CPVK2/07
FJ197834	CPV-2a/Dog/South_Korea/CPVK12/07
FJ197839	CPV-2a/Dog/South_Korea/CPVK17/07
DQ025950	CPV-2a/Dog/France/B9/02
FJ005254	CPV-2a/Dog/Italy/331/05
FJ005258	CPV-2a/Dog/Italy/80/08
FJ197831	CPV-2a/Dog/South_Korea/CPVK9/07
FJ197825	CPV-2a/Dog/South_Korea/CPVK3/07
FJ197833	CPV-2a/Dog/South_Korea/CPVK11/07
FJ197832	CPV-2a/Dog/South_Korea/CPVK10/07
FJ197837	CPV-2a/Dog/South_Korea/CPVK15/07
EF599098	CPV-2a/Dog/South_Korea/Pome/05
FJ197836	CPV-2a/Dog/South_Korea/CPVK14/07
FJ197840	CPV-2a/Dog/South_Korea/CPVK18/07



FJ197830 CPV-2a/Dog/South\_Korea/CPVK8/07  
FJ197844 CPV-2a/Dog/South\_Korea/CPVK22/07  
FJ197838 CPV-2a/Dog/South\_Korea/CPVK16/07  
FJ197845 CPV-2a/Dog/South\_Korea/CPVK23/07  
FJ197826 CPV-2a/Dog/South\_Korea/CPVK4/07  
FJ197843 CPV-2a/Dog/South\_Korea/CPVK21/07  
FJ197842 CPV-2a/Dog/South\_Korea/CPVK20/07  
FJ197835 CPV-2a/Dog/South\_Korea/CPVK13/07  
EU441279 CPV-2a/Masked\_palm\_civet/China/HeN03/08  
GQ169544 CPV-2a/Dog/China/wh-8/06-08  
EU145961 CPV-2a/Dog/China/BJ085/07  
EF666065 CPV-2a/Dog/China/BJ17/06  
FJ197827 CPV-2a/Dog/South\_Korea/CPVK5/07  
EF666069 CPV-2a/Dog/China/BJ042/07  
GQ169537 CPV-2a/Dog/China/wh-1/06-08  
EU377537 CPV-2a/Dog/China/WH02/06  
FJ435346 CPV-2a/Dog/China/CN-5/08  
FJ435343 CPV-2a/Dog/China/CN-2/08  
EF666064 CPV-2a/Dog/China/BJ017/07  
EU145957 CPV-2a/Dog/China/BJ068/07  
GQ169540 CPV-2a/Dog/China/wh-4/06-08  
EF666068 CPV-2a/Dog/China/BJ027/07  
GQ169550 CPV-2a/Dog/China/1-nj/06-08  
FJ432716 CPV-2a/Dog/China/06-11-NJ/06  
EF666063 CPV-2a/Dog/China/BJ015/07  
GQ169548 CPV-2a/Dog/China/bj-4/06-08  
EU145960 CPV-2a/Dog/China/BJ082/07  
EU310373 CPV-2a/Dog/China/nj01/06  
AY742953 CPV-2a/Dog/CA/CPV-435/03  
DQ340430 CPV-2a/Dog/Brazil/BR46/94  
AF306445 CPV-2a/Dog/Italy/632/96  
FJ222821 CPV-2c/Dog/Italy/56/00  
AY742932 CPV-2b/Dog/TX/CPV-193/91  
FJ005264 CPV-2b/Dog/Italy/134/05  
AB054218 CPV-2b/Cat/Vietnam/V123/97  
FJ869123 CPV-2b/Dog/Thailand/KU3/08  
FJ869122 CPV-2b/Dog/Thailand/KU1/08  
FJ869124 CPV-2b/Dog/Thailand/KU4/08  
AB120726 CPV-2b/Dog/Vietnam/HNI-3-11/02  
AB120720 CPV-2b/Dog/Vietnam/HCM-6/02  
EU145954 CPV-2b/Dog/China/BJ044/07  
AB120728 CPV-2b/Cat/Vietnam/HNI-1-18/02  
AB120727 CPV-2c/Dog/Vietnam/HNI-4-1/02



AB054221	CPV-2b/Leopard_cat/Vietnam/V204/97
AB120725	CPV-2b/Dog/Vietnam/HNI-3-4/02
AB054224	CPV-2b/Leopard_cat/Vietnam/V203/97
AB120722	CPV-2b/Dog/Vietnam/HCM-18/02
AB120724	CPV-2b/Dog/Vietnam/HNI-2-13/02
AB054219	CPV-2b/Cat/Vietnam/V209/97
AB120723	CPV-2b/Dog/Vietnam/HCM-23/02
AB054220	CPV-2b/Cat/Vietnam/V217/97
AB120721	CPV-2b/Dog/Vietnam/HCM-8/02
FJ869136	CPV-2b/Dog/Thailand/KU46/03
FJ869139	CPV-2b/Dog/Thailand/KU66/03
AY742934	CPV-2b/Cat/Germany/CPV-447/94
Z46651	CPV-2b/Dog/Poland/46/94
M74852	CPV-2b/Dog/GA/CPV-133/90
FJ005261	CPV-2b/Dog/Germany/G162/97
AF306450	CPV-2b/Dog/Italy/637/96
DQ025992	CPV-2b/Dog/France/S23/04
AF306444	CPV-2b/Wolf/Italy/W42/95
AF306449	CPV-2b/Dog/Italy/616/95
D26079	CPV-2a/Dog/Japan/Y1/82
DQ340409	CPV-2b/Dog/Brazil/BR183/85
M74849	CPV-2b/Dog/TX/CPV-39/84
U22896	CPV-2b/Cat/ID/FPV-24/90
DQ025952	CPV-2a/Dog/France/B12/03
DQ340404	CPV-2a/Dog/Brazil/BR6/80
DQ340406	CPV-2a/Dog/Brazil/BR137/80
DQ340405	CPV-2a/Dog/Brazil/BR135/80
EU659118	CPV-2a/Dog/US/CPV-13/81
DQ340410	CPV-2a/Dog/Brazil/BR315/86
M24003	CPV-2a/Dog/IL/CPV-15/84
M24000	CPV-2a/Dog/VA/CPV-31/83
DQ340408	CPV-2a/Dog/Brazil/BR154/80
DQ340407	CPV-2a/Dog/Brazil/BR145/80
FJ005263	CPV-2b/Dog/Italy/42-49/05
FJ005265	CPV-2b/Dog/Italy/140/05
JN867602	CPV-2b/Dog/CA/148743/08
DQ025991	CPV-2b/Dog/France/S22/04
DQ025961	CPV-2b/Dog/France/C5/03
JN867603	CPV-2b/Dog/KS/81213/09
JN867609	CPV-2b/Dog/KY/93238/08
AY742955	CPV-2b/Dog/AZ/CPV-436/04
JN867608	CPV-2b/Dog/IL/24124/09
JN867604	CPV-2b/Dog/IL/137654/08

JN867605	CPV-2b/Dog/US/142805/09
AY742951	CPV-2b/Dog/US/CPV-431/03
EU659119	CPV-2b/Dog/NJ/CPV-410/99
EU659120	CPV-2b/Dog/CA/CPV-411a/00
EF592511	CPV-2a/Dog/Taiwan/TWN1/06
FJ265781	CPV-2a/Dog/Taiwan/307/05
AY869724	CPV-2b/Dog/Taiwan/Taichung/03
FJ265775	CPV-2a/Dog/Taiwan/301/04
FJ265778	CPV-2a/Dog/Taiwan/304/05
FJ265779	CPV-2a/Dog/Taiwan/305/05
FJ265776	CPV-2a/Dog/Taiwan/302/05
FJ265780	CPV-2a/Dog/Taiwan/306/05
FJ265777	CPV-2a/Dog/Taiwan/303/05
FJ265783	CPV-2a/Dog/Taiwan/309/06
FJ265782	CPV-2a/Dog/Taiwan/308/06
FJ265784	CPV-2a/Dog/Taiwan/310/06
FJ869135	CPV-2b/Dog/Thailand/KU39/03
JN867606	CPV-2b/Dog/US/19923/09
FJ005236	CPV-2c/Dog/US/110-27/07
JN867607	CPV-2c/Dog/NY/LP62/08
EF599097	CPV-2b/Dog/South_Korea/DH326/05
JN867619	CPV-2b/Dog/NC/88023/09
<b>JN867601</b>	<b>CPV/Raccoon/NJ/76836/10</b>
FJ869125	CPV-2b/Dog/Thailand/KU5/04
DQ177497	CPV-2b/Dog/China/HN-3/05
U72696	CPV-2b/Dog/Taiwan/T10/95
AB115504	CPV-2b/Dog/Japan/97-008/97
AB054213	CPV-2a/Cat/Taiwan/Taiwan_9/98
U72697	CPV-2a/Dog/Taiwan/T25/95
U72695	CPV-2a/Dog/Taiwan/T4/94
AB054214	CPV-2a/Leopard_cat/Taiwan/T1/95
EU659121	CPV-2b/Dog/CA/CPV-411b/00
AY742936	CPV-2b/Dog/CA/CPV-395/98
FJ005260	CPV-2b/Dog/Germany/G82/97
FJ005262	CPV-2b/Dog/Italy/311/04
FJ005212	CPV-2c/Dog/Italy/349/04
FJ005231	CPV-2c/Dog/Italy/406/06
FJ005232	CPV-2c/Dog/Italy/411/06
FJ005248	CPV-2c/Dog/Italy/219-2/08
DQ025988	CPV-2c/Dog/France/S19/04
FJ005224	CPV-2c/Dog/Italy/367/06
FJ005199	CPV-2c/Dog/Germany/G172/97
FJ005223	CPV-2c/Dog/Italy/365/06

DQ025966	CPV-2c/Dog/France/S2/03
DQ025994	CPV-2c/Dog/France/S25/04
DQ025972	CPV-2c/Dog/France/C12/04
DQ025973	CPV-2c/Dog/France/C13/04
FJ005230	CPV-2c/Dog/Italy/398/06
FJ005220	CPV-2c/Dog/Italy/337/06
DQ025974	CPV-2c/Dog/France/C14/04
FJ005229	CPV-2c/Dog/Italy/397/06
DQ025955	CPV-2c/Dog/France/B16/03
FJ005238	CPV-2c/Dog/Italy/158/07
FJ005207	CPV-2c/Dog/Italy/290/04
DQ025976	CPV-2c/Dog/France/S7/04
FJ005213	CPV-2c/Dog/Italy/9/05
DQ025965	CPV-2c/Dog/France/C9/03
FJ005251	CPV-2c/Dog/Italy/239/08
DQ025977	CPV-2c/Dog/France/S8/04
DQ025956	CPV-2c/Dog/France/B17/03
DQ025987	CPV-2c/Dog/France/S18/04
DQ025953	CPV-2c/Dog/France/B13/03
DQ025990	CPV-2c/Dog/France/S21/04
DQ025960	CPV-2c/Dog/France/C4/03
DQ025951	CPV-2c/Dog/France/B10/03
FJ005209	CPV-2c/Dog/Italy/303/04
FJ005211	CPV-2c/Dog/Italy/342/04
FJ005237	CPV-2c/Dog/Italy/159/07
DQ025989	CPV-2c/Dog/France/S20/04
FJ005215	CPV-2c/Dog/Italy/252/06
FJ005204	CPV-2c/Dog/Germany/G333/99
FJ005198	CPV-2c/Dog/Germany/G133/97
FJ005200	CPV-2c/Dog/Germany/G359/97
DQ025969	CPV-2c/Dog/France/S5/03
FJ005208	CPV-2c/Dog/Italy/291/04
DQ025942	CPV-2c/Dog/France/B1/01
DQ025954	CPV-2c/Dog/France/B14/03
DQ025980	CPV-2c/Dog/France/S11/04
DQ025978	CPV-2c/Dog/France/S9/04
DQ025970	CPV-2c/Dog/France/C10/04
FJ005216	CPV-2c/Dog/Italy/284/06
FJ005201	CPV-2c/Dog/Germany/G362/97
FJ005202	CPV-2c/Dog/Germany/G367/97
FJ005196	CPV-2c/Dog/Germany/G7/97
FJ005246	CPV-2c/Dog/Spain/128/08
FJ005245	CPV-2c/Dog/Italy/127-B/08

FJ005247	CPV-2c/Dog/Belgium/195/08
DQ025968	CPV-2c/Dog/France/S4/03
FJ005210	CPV-2c/Dog/Italy/307/04
FJ005227	CPV-2c/Dog/Italy/389/06
FJ005222	CPV-2c/Dog/Italy/359/06
FJ005214	CPV-2c/Dog/Spain/67/06
DQ025981	CPV-2c/Dog/France/S12/04
DQ025975	CPV-2c/Dog/France/S6/04
FJ005225	CPV-2c/Dog/Italy/382/06
FJ005203	CPV-2c/Dog/Germany/G52-9-2/98
FJ005195	CPV-2c/Dog/Italy/136/00
FJ005197	CPV-2c/Dog/Germany/G51/97
DQ025979	CPV-2c/Dog/France/S10/04
FJ005219	CPV-2c/Dog/Italy/336/06
AF401519	CPV-2c/Dog/Italy/695/99
FJ005206	CPV-2c/Dog/Italy/287/04
FJ005243	CPV-2c/Dog/Italy/243/07
FJ005240	CPV-2c/Dog/Italy/208/07
FJ005233	CPV-2c/Dog/Italy/40/07
FJ005221	CPV-2c/Dog/Italy/340/06
FJ005218	CPV-2c/Dog/Italy/330/06
FJ005235	CPV-2c/Dog/US/67-11/07
FJ005226	CPV-2c/Dog/Italy/383/06
DQ025985	CPV-2c/Dog/France/S16/04
FJ005205	CPV-2c/Dog/Italy/279/04
FJ005217	CPV-2c/Dog/Italy/327/06
FJ005234	CPV-2c/Dog/Italy/43/07
FJ005249	CPV-2c/Dog/Italy/219-5/08
FJ005239	CPV-2c/Dog/Italy/165-A/07
FJ005228	CPV-2c/Dog/Italy/393/06
FJ005242	CPV-2c/Dog/Italy/217/07
FJ005244	CPV-2c/Dog/Italy/127-A/08
FJ005241	CPV-2c/Dog/Italy/215-2/07
FJ005250	CPV-2c/Dog/Italy/219-13/08

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**Table 2. NS1 Gene sequences.**

EU659111	FPV/Cat/US/FPV-3/67
EU659115	FPV/Cat/US/Kai/06
AB000048	FPV/Cat/Japan/483/90
AB000049	FPV/Cat/Japan/94-1/94
AB000058	FPV/Cat/Japan/Som1/94
EU659114	FPV/Mountain_lion/CO/FPV-8b/89
EU659113	FPV/Mountain_lion/CO/FPV-8a/89

AB000069	FPV/Cat/Japan/TU8/76-77
X55115	FPV/Cat/Australia/193/70
AB000053	FPV/Cat/Japan/Fukagawa/93
AB000063	FPV/Cat/Japan/TU12/79
AB000051	FPV/Cat/Japan/AO1/94
AB000067	FPV/Cat/Japan/TU4/75
AB000065	FPV/Cat/Japan/TU2/75
AB000055	FPV/Cat/Japan/Obihiro/74
AB000057	FPV/Cat/France/PLI-IV/68
D00765	MEV/Mink/Japan/Abashiri/78
AB000060	FPV/Cat/Japan/Som4/95
AY742934	CPV-2b/Cat/Germany/CPV-447/94
EU659117	CPV-2/Dog/NY/CPV-6/79
EU659118	CPV-2a/Dog/US/CPV-13/81
AY787926	CPV-2a/Dog/IL/CPV-15/84
EU659116	CPV-2/Dog/FL/CPV-5/80
JN867613	CPV/Raccoon/FL/381/09
JN867612	CPV/Raccoon/TN/351/09
JN867610	CPV/Raccoon/VA/118-A/07
JN867611	CPV/Raccoon/KY/358-B/09
EF011664	CPV-2a/Dog/China/B2004/04
EU310373	CPV-2a/Dog/China/nj01/06
AY742954	CPV-2a/Dog/CA/CPV-435/03
EU659121	CPV-2b/Dog/CA/CPV-411b/00
AY742936	CPV-2b/Dog/CA/CPV-395/98
AY742952	CPV-2b/Dog/US/CPV-431/03
EU659120	CPV-2b/Dog/CA/CPV-411a/00
EU659119	CPV-2b/Dog/NJ/CPV-410/99
AY742932	CPV-2b/Dog/TX/CPV-193/91
AY787927	CPV-2b/Dog/GA/CPV-133/90
JN867614	CPV/Raccoon/VA/278-A/09
D26079	CPV-2a/Dog/Japan/Y1/82
AY742933	CPV-2a/Dog/New_Zealand/CPV-339/94
AY787930	CPV-2b/Dog/TX/CPV-39/84
JN867618	CPV/Raccoon/WI/37/10
JN867617	CPV/Raccoon/GA/349/08
JN867615	CPV/Raccoon/GA/287/08
JN867616	CPV/Raccoon/GA/289/08
AY742935	CPV-2a/Dog/Germany/CPV-U6/96
AY787929	CPV-2a/Dog/VA/CPV-31/83
AY742956	CPV-2b/Dog/AZ/CPV-436/04

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