

Technical Appendix

Table. Proviral PCR screening, 61 puma samples, 1988–2006*

FP ID†	LGD ID‡	Date§	Range¶	Source#	PCR**	Antigen***††	Antibody titer**
FP25	Pco-116	2/16/88	F	WBC	Neg	ND	ND
FP18	Pco-68	1/23/89	F	BY	Neg	ND	ND
FP28	Pco-154	3/11/89	S	BY	Neg	ND	ND
FP21	Pco-75	5/23/89	E	CT	Neg	ND	ND
FP29	Pco-155	1/10/91	S	BY	Neg	ND	ND
	Pco-409	8/17/91	Peru	CT	Neg	ND	ND
FP54	Pco-487	4/7/92	F	BY	Neg	ND	ND
FP12	Pco-20	1/4/93	F	BY	Neg	ND	ND
FP31	Pco-157	1/6/93	F	BY	Neg	ND	ND
	Pco-554	1/23/93	Nicaragua	WBC	Neg	ND	ND
	Pco-579	5/15/93	Argentina	WBC	Neg	ND	ND
	Pco-581	5/19/93	Paraguay	WBC	Neg	ND	ND
	Pco-582	5/19/93	Uruguay	WBC	Neg	ND	ND
TX33	Pco-741	1/4/96	Texas	WBC	Neg	ND	ND
WC-0	Pco-742	4/14/97	S	BY	Neg	ND	ND
FP78	Pco-908	2/16/99	F	BY	Neg	ND	ND
WC-06	Pco-926	7/19/99	S	BY	Neg	ND	ND
WC-03	Pco-923	1/13/00	S	BY	Neg	ND	ND
FP61	Pco-898	2/17/00	E	BY	Neg	ND	ND
FP89	Pco-969	3/2/00	BC-S	BY	Neg	ND	ND
FP92	Pco-916	4/6/00	F	BY	Neg	ND	ND
TX107	Pco-736	4/19/00	F	BY	Neg	ND	ND
TX105	Pco-739	12/1/00	E	BY	Neg	ND	ND
FP96	Pco-972	1/8/01	F	BY	Pos	Neg	0.337
FP99	Pco-990	1/27/01	F	BY	Neg	ND	0.296
FP100	Pco-991	2/1/01	BC-S	BY	Pos	Neg	0.3
FP101	Pco-992	2/5/01	BC-S	BY	Neg	ND	ND
FP102	Pco-996	2/20/01	BC-S	BY	Neg	ND	ND
FP104	Pco-1000	4/3/01	BC-S	BY	Neg	Neg	0.292
UCFP39	Pco-1004	5/7/01	BC-S	LN	Neg	Neg	ND
FP107	Pco-971	11/1/01	F	BY	Neg	Neg	0.324
FP96	Pco-972	11/3/01	F	BY	Pos	Neg	ND
FP108	Pco-994	11/6/01	BC-S	BY	Neg	Neg	0.273
FP78	Pco-908	12/14/01	F	BY	Neg	Neg	0.454
FP96	Pco-972	1/18/02	F	SP	Pos	Neg	ND
FP110	Pco-984	2/13/02	O	BY	Neg	Neg	ND
FP111	Pco-1023	2/14/02	O	nvPBL	Neg	Neg	0.224
FP112	Pco-1024	2/25/02	BC-S	BY	Neg	Neg	ND
K109FP73	Pco-1025	3/3/02	BC-S	BY	Neg	Neg	ND
UCFP46	Pco-1029	4/10/02	BC-S	SP	Neg	ND	ND
K12FP78	Pco-1038	10/23/02	BC-S	BY	Neg	ND	0.242
FP110	Pco-984	11/25/02	O	BY	Pos	Neg	ND
FP115	Pco-1058	11/26/02	O	BY	Pos	Pos	0.499
FP82	Pco-962	12/6/02	O	BY	Neg	ND	0.262
TX106	Pco-733	1/9/03	F	BY	Neg	ND	ND
FP109	Pco-1022	1/24/03	O	BM	Pos	Pos	0.546
FP118	Pco-1060	3/6/03	S	BY	Pos	Neg	0.157
FP119	Pco-1064	4/4/03	BC-N	BY	Pos	Neg	0.125
FP115	Pco-1058	5/27/03	O	BM	Pos	Pos	ND
FP118	Pco-1060	5/27/03	S	SP	Pos	Neg	ND
K151	Pco-1073	6/12/03	O	BY	Neg	ND	ND

UCFP57	Pco-1076	6/17/03	BC-N	LN	Neg	ND	ND
UCFP58	Pco-1084	6/30/03	S	SP	Neg	ND	ND
FP121	Pco-1085	12/2/03	S	BY	Neg	ND	ND
FP117	Pco-1059	12/3/03	BC-N	BY	Neg	Neg	0.17
FP100	Pco-991	1/6/04	BC-N	BY	Pos	Neg	ND
FP122	Pco-1087	2/2/04	O	BY	Pos	Pos	ND
FP123	Pco-1088	2/2/04	O	BY	Pos	Pos	ND
FP124	Pco-1091	2/13/04	B	BY	Neg	ND	ND
FP127	Pco-1094	2/16/04	B	BY	Neg	ND	ND
FP71	Pco-1095	2/17/04	S	BY	Neg	ND	ND
FP131	Pco-1097	3/10/04	F	BY	Neg	ND	ND
FP132	Pco-1098	3/18/04	O	BY	Pos	Neg	ND
FP78FP83	Pco-914	3/31/04	BC-S	BY	Neg	ND	ND
UCFP65	Pco-1103	4/6/04	F	SP	Neg	ND	ND
FP113	Pco-1037	4/7/04	BC-N	BY	Neg	ND	ND
FP117	Pco-1059	7/29/04	BC-N	BM	Neg	ND	ND
FP132	Pco-1098	8/1/04	O	SP	Pos	Pos	ND
FP119	Pco-1064	11/17/04	BC-N	BY	Neg	Neg	ND
UCFP43	Pco-1016	8/30/05	P	BY	Neg	Neg	0.277
FP67	Pco-722	4/23/06	P	SP	Neg	Neg	0.26

*The 376-bp amplification of *env* was confirmed by sequencing.

†FP ID, Florida panther identification.

‡LGD ID, Laboratory of Genomic Diversity identification.

§Date, month/day/year format.

¶Range, E, Everglades National Park; F, Florida Panther National Wildlife Refuge; O, Okaloacoochee Slough State Forest; P, private lands; S, Big Cypress Seminole Indian Reservation; BC-N, Big Cypress North, BC-S, Big Cypress South.

#Source of DNA isolation: WBC, white blood cell; BY, buffy coat; CT, clot; BM, bone marrow; SP, spleen; LN, lymph node; nvPBMCs, nonviable peripheral blood mononuclear cells.

**Neg, negative; Pos, positive.

††ND, not determined. Antibody titer >0.25 was considered positive (1).

Reference

1. Cunningham MW, Brown MA, Shindle DB, Terrell SP, Hayes KA, Ferree BC, et al. Epizootiology and management of feline leukemia virus in the Florida puma. *J Wildl Dis.* In press.