

Table S1. Determination of the effective annealing temperature and sensitivity of the PCR detecting PERVpol sequences using a gene block

Annealing Temperature	60 Degrees		62 Degrees
58 Degrees gBlock III Dilutions			
10 ⁰	N.d.	N.d.	N.d.
10 ¹	N.d.	N.d.	37.03
10 ²	36.46	33.58	36.07
10 ³	31.36	30.67	29.89
10 ⁴	24.19	24.61	23.54
10 ⁵	19.27	19.35	19.69

N.D., not detected

Supplementary Figure 1

1	10	20	30	40	50	60	70
AGGGAGTTCCCATCGTGGCTCAGTGGTAACGAACCTGACTAGTATCCATGAGGATGCAGATTCAATCCCT							
GACTAGGAACCATGAGGTTGCGTTTGATCCCT							
71	80	90	100	110	120	130	140
GGCCTTNCTCAGTCGGTTAAGGATCCNGCATTGCTGTGAGNTGTGGTGTAGGTCNCAGATGCGGCTCGGA							
GGCCTTGCTCAGTGG							
141	150	160	170	180	190	200	210
TCCCGTGTGCTGTGGCTGTGGTGTAGGC							
GGCAGCTACAGCTCCGATTNGACCCCTAGCCTGGGAACCT							
GACACCGACACCACATCCGA							
211	220	230					
CCATATGCCGCGGGTGNGGCCCT							

Forward Primer GACTAGGAACCATGAGGTTGCG

Reverse Primer AGCCTACACCACAGCCACAG

Probe TTTGATCCCTGGCCTTGCTCAGTGG