

Supplementary Figure 1. Sequence homology between the outward HERV-5 primers and the HERV-W genome.

Forward HERV-5 primer:

TCAGGTGCTT-CATTGGCAGGATCA

HERV-W:

CTAGGTACTGGCATTGGCGGTATCA

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Revers HERV-5 primer:

CAGCAG-----TGCCCCAAAGTAC--AAATTTA

HERV-W:

CAGCAGGAAGCAGTTAGAGCGGTCGTGGCCAACCTCCCCAACAGCACTTAGGTTTC

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ERVWE1	AGGGTCCAAA	GAGGAGTAGC	AATATTATAG	CTGCTAGAGG	TCCTAAGAAG	GGGAGAATCC
OA5	-----	-----	-----	-----	-----	-----
OA7	-----	-----	-----	-----	-----	-----
OA8	-----	-----	-----	-----	-----	-----
OA10	-----	-----	-----	-----	-----	-----
OA23	-----	-----	-----	-----	-----	-----
ERVWE1	AGGGCATCCA	TTGGCTGAGG	AGGCCCGAGG	GTCCAGTGT	TCGAAGCTCC	TCTGCTCTAC
OA5	-----	-----	-----	-----	-----	-----
OA7	-----	-----	-----	-----	-----	-----
OA8	-----	-----	-----	-----	-----	-----
OA10	-----	-----	-----	-----	-----	-----
OA23	-----	-----	-----	-----	-----	-----
ERVWE1	GTTGTATTCTG	ATCTCGAATT	TCTTTAACCT	TCTCAGTGAC	GATTCCGGAT	TGATTAACAT
OA5	-----	-----	-----	-----	-----	-----
OA7	-----	-----	-----	-----	-----	-----
OA8	-----	-----	-----	-----	-----	-----
OA10	-----	-----	-----	-----	-----	-----
OA23	-----	-----	-----	-----	-----	-----
ERVWE1	AATAACAGCA	TTCTTCCCCT	AAAAATAAAC	AGGTTCCCCC	TCTTCAGCG	GTTAGCAAGT
OA5	-----	-----	-----	-----	-----	-----
OA7	-----	-----	-----	-----	-----	-----
OA8	-----	-----	-----	-----	-----	-----
OA10	-----	-----	A	-----	-----	-----
OA23	-----	-----	A	-----	-----	-----
ERVWE1	CTAAAGCTCT	TCGATTTGA	AGGACTACTG	CTGCTAGGGA	GTAAAGTTGA	TCTTGCAAGG
OA5	-----	-----	-----	-----	-----	-----
OA7	-----	-----	NNNN	-----	-----	-----
OA8	-----	-----	-----	-----	-----	-----
OA10	-----	-----	-----	-----	-----	-----
OA23	-----	-----	-----	-----	-----	-----
ERVWE1	TGACCAGGGA	GTCGGCGACC	CGTTCCATGT	CCCCATTTAG	TTCTTGAGAT	AGTTTGTAGT
OA5	-----	-----	-----	-----	-----	-----
OA7	-----	-----	-----	-----	-----	-----
OA8	-----	-----	-----	-----	-----	-----
OA10	-----	-----	-----	-----	-----	-----
OA23	-----	-----	-----	-----	-----	-----
ERVWE1	AGAACTGAGT	AGAGGTTGTG	ATACCGCCAA	TGCCAGTACC	TAGTGCACCT	AGCACTCCTG
OA5	-----	-----	-----	-----	-----	-----
OA7	-----	-----	-----	-----	-----	-----
OA8	-----	-----	-----	-----	-----	-----
OA10	-----	-----	-----	-----	-----	-----
OA23	-----	-----	-----	-----	-----	-----

Supplementary Table.

Patient	year of birth	Age at sampling	KL grade
OA1	missing		
OA2	1947	59	2
OA3	1960	46	2
OA4	1932	74	1
OA5	1965	41	3
OA7	1929	77	1
OA8	1937	69	1
OA9	NA		
OA10	1945	61	2
OA11	1970	36	3
OA13	1938	68	1
OA14	1940	66	1
OA15	1939	67	1
OA16	1950	56	2
OA17	1944	62	2
OA18	1959	47	2
OA12	1970	36	3
OA20	NA		
OA21	1971	35	3
OA22	1929	77	1
OA23	1929	78	1
OA24	1944	63	2
OA25	1940	67	1
OA26	1951	56	2
OA27	1939	68	1
OA28	1925	82	1
OA29	1934	73	1
OA30	1930	77	1
OA32	1982	25	3
OA40	1970	37	3
OA44	1944	63	2
OA48	1927	80	1
OA50	1952	56	2
OA51	1950	58	2
OA58	1929	79	1

NA: not available.