

Table S5: List of retroviral sequences annotated in the human genome (Ensembl).

ENSEMBL "ERV"					
annotation	name	family	chromosome	aa	other name
Envelope coding gene, full length (this study)					
ENSG00000226887	ERVMER34-1	endogenous retrovirus group MER34 member 1, envelope	Chromosome 4: 52,722,618-52,751,586	563 aa	HEMO
ENSG00000242950	ERVW-1	endogenous retrovirus group W member 1, envelope	Chromosome 7: 92,468,380-92,477,986	538 aa	SYNCYTIN-1
ENSG00000244476	ERVFRD-1	endogenous retrovirus group FRD member 1, envelope	Chromosome 6: 11,102,489-11,111,725	538 aa	SYNCYTIN-2
ENSG00000268964	ERVV-2	endogenous retrovirus group V member 2, envelope	Chromosome 19: 53,044,740-53,051,680	535 aa	ENV-V2
ENSG00000213462	ERV3-1	endogenous retrovirus group 3 member 1, envelope	Chromosome 7: 64,990,356-65,006,743	604 aa	ENV-R
Others (truncated, Inc, unspecific)					
ENSG00000269526	ERVV-1	endogenous retrovirus group V member 1, envelope	Chromosome 19: 53,013,921-53,016,122	477 aa	ENV-V1
ENSG00000267259	ERVE-1	endogenous retrovirus group E member 1	Chromosome 17: 28,232,590-28,235,281		lncRNA
ENSG00000251292	ERVH-1	endogenous retrovirus group H member 1	Chromosome 4: 23,723,262-23,733,579		lncRNA
ENSG00000233056	ERVH48-1	endogenous retrovirus group 48 member 1	Chromosome 21: 42,916,803-42,925,646	160 aa	SUPPRESSYN
ENSG00000264801	ERVFRD-3	endogenous retrovirus group FRD member 3	Chromosome 9: 21,929,457-21,931,073		No protein
ENSG00000267696	ERVK-28	endogenous retrovirus group K member 28	Chromosome 19: 27,638,483-27,646,483		lncRNA HERV-K(HML2)
ENSG00000260565	ERVK13-1	endogenous retrovirus group K13 member 1	Chromosome 16: 2,660,348-2,682,379		lncRNA HERV-K(HML2)
ENSG00000142396	ERVK3-1	endogenous retrovirus group K3 member 1	Chromosome 19: 58,305,319-58,315,663	109 aa	HERV-K(HML6-1)
ENSG00000269486	ERVK9-11	endogenous retrovirus group K9 member 11	Chromosome 19: 38,935,297-38,938,632		lncRNA HERV-K(HML-3)
ENSG00000230426	ERVMER61-1	long intergenic non-protein coding RNA 1036	Chromosome 1: 187,070,700-187,686,628		lncRNA

Upper part: the five envelope retroviral sequences used in this study.
Bottom part: truncated or non-coding HERV sequences.