

Table S2. Orientation Bias for Genic Integrations Pre-ART^a.

Chromosome	Gene name ^b	Unique integrations with the gene (CHER) ^c	Unique integrations against the gene (CHER) ^c	Unique integrations with the gene (<i>ex vivo</i>) ^c	Unique integrations against the gene (<i>ex vivo</i>) ^c	Adjusted p-value ^d
<i>chr6</i>	<i>BACH2</i>	26	5	60	72	0.0019
<i>chr17</i>	<i>STAT5B</i>	24	5	284	278	0.0078
<i>chr16</i>	<i>ANKRD11</i>	3	16	380	403	0.0281
<i>chr22</i>	<i>HORMAD2</i>	11	4	192	241	0.15
<i>chrX</i>	<i>MECP2</i>	4	12	228	267	0.45
<i>chr17</i>	<i>VMP1</i>	6	12	376	374	0.52
<i>chr17</i>	<i>GRB2</i>	11	5	339	336	0.52
<i>chr17</i>	<i>NPLOC4</i>	5	10	418	408	0.52
<i>chr17</i>	<i>POLR2A</i>	6	10	161	177	0.82
<i>chr11</i>	<i>MALAT1</i>	6	9	113	96	0.82
<i>chr11</i>	<i>PACS1</i>	18	21	852	821	0.84
<i>chr11</i>	<i>KDM2A</i>	9	10	806	724	0.84
<i>chr19</i>	<i>CARD8</i>	10	7	331	315	0.84
<i>chr19</i>	<i>VAV1</i>	7	8	255	222	0.84
<i>chr17</i>	<i>RPTOR</i>	14	12	820	807	0.89
<i>chr17</i>	<i>CYTH1</i>	10	9	352	363	0.89
<i>chr22</i>	<i>TNRC6B</i>	9	10	444	435	0.89
<i>chr1</i>	<i>ASHIL</i>	8	9	378	385	>0.99

^a Data shown only for integrations into genes for which at least 15 unique integrations were detected

^b Genic coordinates mapped to hg19

^c “With” gene and “Against” gene defined as orientation of integrated provirus compared with the sense of the host gene it’s integrated into

^d Adjusted p-value determined by Fisher Test with post-hoc Benjamini-Hochberg Correction