

S1 Table. Patient sample characteristics and diversity estimates.

Patient (Disease Status [‡])	Blood sample [Date (replicate number)]	Proviral load (no. HTLV-1+ cells per 10,000 PBMCs) [1]	Number of clones [Observed [1]/ Estimated [2]]	Estimated percentage of clones that are singletons (clones with one infected cell only) [2]
1 (AC)	07/12/2000 (1)	400	993 / 55898	9.6
1 (AC)	07/12/2000 (2)	400	1047 / 62527	9.7
1 (AC)	07/12/2000 (3)	400	935 / 53598	9.5
1 (AC)	13/12/2004 (1)	490	1187 / 54610	9.2
1 (AC)	13/12/2004 (2)	490	1423 / 56531	9.1
1 (AC)	13/12/2004 (3)	490	1047 / 37353	8.3
1 (AC)	17/11/2008 (1)	360	1273 / 37295	8.3
1 (AC)	17/11/2008 (2)	360	896 / 56753	9.8
1 (AC)	17/11/2008 (3)	360	1122 / 41432	8.8
2 (UV)	03/04/2000 (1)	130	698 / 19773	7.9
2 (UV)	03/04/2000 (2)	130	622 / 16882	7.7
2 (UV)	03/04/2000 (3)	130	559 / 21705	8.5
2 (UV)	16/06/2005 (1)	120	550 / 23319	8.6
2 (UV)	16/06/2005 (2)	120	778 / 18211	7.7
2 (UV)	16/06/2005 (3)	120	638 / 23869	8.6
2 (UV)	22/09/2008 (1)	150	590 / 11090	6.6
2 (UV)	22/09/2008 (2)	150	523 / 18275	8.3
2 (UV)	22/09/2008 (3)	150	541 / 18102	8.2
3 (HAM)	24/09/2001 (1)	350	1226 / 58084	9.3
3 (HAM)	24/09/2001 (2)	350	1156 / 78040	9.9
3 (HAM)	24/09/2001 (3)	350	1391 / 71505	9.6
3 (HAM)	04/01/2007 (1)	390	1464 / 70338	9.5
3 (HAM)	04/01/2007 (2)	390	1555 / 61548	9.2
3 (HAM)	04/01/2007 (3)	390	1085 / 56442	9.4
3 (HAM)	14/04/2008 (1)	220	875 / 43305	9.4
3 (HAM)	14/04/2008 (2)	220	974 / 53960	9.7
3 (HAM)	14/04/2008 (3)	220	922 / 45946	9.5
4 (HAM)	09/11/2000 (1)	930	1562 / 36965	7.3
4 (HAM)	09/11/2000 (2)	930	1576 / 34842	7.2
4 (HAM)	09/11/2000 (3)	930	1574 / 30292	6.8
4 (HAM)	16/03/2005 (1)	960	1833 / 37273	7.2
4 (HAM)	16/03/2005 (2)	960	2406 / 33819	6.6
4 (HAM)	16/03/2005 (3)	960	1918 / 44637	7.6
4 (HAM)	02/10/2008 (1)	870	1862 / 40070	7.4
4 (HAM)	02/10/2008 (2)	870	1788 / 29684	6.7
4 (HAM)	02/10/2008 (3)	870	1754 / 43982	7.6
5 (HAM)	12/06/2000 (1)	160	568 / 17656	8.1
5 (HAM)	12/06/2000 (2)	160	647 / 21418	8.2
5 (HAM)	12/06/2000 (3)	160	628 / 19158	8
5 (HAM)	01/12/2005 (1)	180	569 / 13454	7.2

5 (HAM)	01/12/2005 (2)	180	726 / 15333	7.5
5 (HAM)	01/12/2005 (3)	180	580 / 13744	7.5
5 (HAM)	03/11/2008 (1)	140	564 / 17674	8.4
5 (HAM)	03/11/2008 (2)	140	545 / 16081	8.1
5 (HAM)	03/11/2008 (3)	140	551 / 13849	7.7
6 (HAM)	19/03/2001 (1)	180	830 / 21720	7.9
6 (HAM)	19/03/2001 (2)	180	691 / 16542	7.4
6 (HAM)	19/03/2001 (3)	180	802 / 20321	7.7
6 (HAM)	23/09/2004 (1)	240	837 / 12750	6.4
6 (HAM)	23/09/2004 (2)	240	832 / 19776	7.5
6 (HAM)	23/09/2004 (3)	240	698 / 15481	7
6 (HAM)	18/06/2007 (1)	140	581 / 9810	6.4
6 (HAM)	18/06/2007 (2)	140	591 / 17631	8
6 (HAM)	18/06/2007 (3)	140	639 / 9121	6.1
7 (HAM)	15/01/2001 (1)	2210	3677 / 163991	8.9
7 (HAM)	15/01/2001 (2)	2210	3251 / 163857	9
7 (HAM)	15/01/2001 (3)	2210	3687 / 172011	9
7 (HAM)	03/02/2005 (1)	2020	3714 / 146340	8.6
7 (HAM)	03/02/2005 (2)	2020	5482 / 131888	7.9
7 (HAM)	03/02/2005 (3)	2020	2981 / 157621	8.9
7 (HAM)	04/12/2008 (1)	2000	4703 / 136632	8.2
7 (HAM)	04/12/2008 (2)	2000	3992 / 131033	8.2
7 (HAM)	04/12/2008 (3)	2000	3359 / 166248	9
8 (HAM)	25/05/2000 (1)	2300	2089 / 67798	8
8 (HAM)	25/05/2000 (2)	2300	2443 / 56116	7.3
8 (HAM)	25/05/2000 (3)	2300	2916 / 53761	6.9
8 (HAM)	04/09/2003 (1)	1500	2641 / 50085	7.2
8 (HAM)	04/09/2003 (2)	1500	3235 / 39501	6.3
8 (HAM)	04/09/2003 (3)	1500	3502 / 38443	6.1
8 (HAM)	22/12/2008 (1)	1460	2282 / 52252	7.6
8 (HAM)	22/12/2008 (2)	1460	2004 / 62329	8.2
8 (HAM)	22/12/2008 (3)	1460	2129 / 49931	7.5
9 (HAM)	06/11/2000 (1)	1990	1154 / 138062	10
9 (HAM)	06/11/2000 (2)	1990	1946 / 131701	9.5
9 (HAM)	06/11/2000 (3)	1990	1923 / 123403	9.5
9 (HAM)	01/07/2004 (1)	1410	1666 / 165332	10
9 (HAM)	01/07/2004 (2)	1410	2732 / 105526	8.9
9 (HAM)	01/07/2004 (3)	1410	1865 / 160477	10
9 (HAM)	15/03/2007 (1)	2080	1294 / 186468	12
9 (HAM)	15/03/2007 (2)	2080	1169 / 130672	11
9 (HAM)	15/03/2007 (3)	2080	1241 / 136643	11
10 (HAM)	05/04/2004 (1)	940	1598 / 70437	8.9
10 (HAM)	05/04/2004 (2)	940	1651 / 84639	9.2
10 (HAM)	05/04/2004 (3)	940	1609 / 83176	9.3
10 (HAM)	13/02/2007 (1)	770	2223 / 61504	8.3
10 (HAM)	13/02/2007 (2)	770	2409 / 63395	8.3

10 (HAM)	13/02/2007 (3)	770	2008 / 67936	8.7
10 (HAM)	18/11/2008 (1)	730	1412 / 64961	9
10 (HAM)	18/11/2008 (2)	730	1941 / 67440	8.7
10 (HAM)	18/11/2008 (3)	730	1662 / 56583	8.5
11 (HAM)	06/03/2000 (1)	430	1238 / 45190	8.4
11 (HAM)	06/03/2000 (2)	430	1371 / 66409	9.1
11 (HAM)	06/03/2000 (3)	430	1727 / 79065	9.3
11 (HAM)	15/05/2003 (1)	750	1805 / 53637	8
11 (HAM)	15/05/2003 (2)	750	2548 / 48187	7.3
11 (HAM)	15/05/2003 (3)	750	1771 / 70610	8.8
11 (HAM)	29/09/2008 (1)	890	2103 / 52457	7.7
11 (HAM)	29/09/2008 (2)	890	2155 / 64498	8.2
11 (HAM)	29/09/2008 (3)	890	2204 / 52248	7.6

‡ Disease status: AC = asymptomatic carrier. UV = uveitis (non-HAM/TSP); HAM = HAM/TSP

REFERENCES

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2. Laydon DJ, Melamed A, Sim A, Gillet NA, Sim K, Darko S, et al. Quantification of HTLV-1 Clonality and TCR Diversity. *PLoS Comput Biol*. 2014;10(6):e1003646. doi: 10.1371/journal.pcbi.1003646.