

Table S3: Whole genome intrahost diversity data from clinical samples

					U01					U04					U33					Averages								
Feature	Type	Kinetics	Function	Length	Variable Sites	Total Variants	Depth	Nucleotide Diversity	Mean Diversity	Amino Acid Diversity	Variable Sites	Total Variants	Depth	Nucleotide Diversity	Mean Diversity	Amino Acid Diversity	Variable Sites	Total Variants	Depth	Nucleotide Diversity	Mean Diversity	Amino Acid Diversity	Variable Sites	Total Variants	Depth	Nucleotide Diversity	Mean Diversity	Amino Acid Diversity
RL1	gene	unk	Regulatory	933	12	302	151	0.15%	0.18%	0.11%	55	1251	367	0.28%	0.34%	0.18%	26	923	921	0.10%	0.11%	0.07%	31	825	480	0.18%	0.21%	0.12%
RL5A	gene	E	Unknown	288	1	3	69	0.01%	0.01%	0.00%	0	0	79	0.00%	0.00%	0.00%	1	3	69	0.02%	0.02%	0.02%	1	2	72	0.01%	0.01%	0.01%
RL6	gene	L	Unknown	336	0	0	17	0.00%	0.00%	0.00%	0	0	35	0.00%	0.00%	0.00%	0	0	77	0.00%	0.00%	0.00%	0	0	43	0.00%	0.00%	0.00%
RL10	gene	E-L	Glycoprotein	513	6	35	123	0.05%	0.05%	0.04%	5	24	52	0.09%	0.11%	0.06%	13	46	88	0.10%	0.10%	0.08%	8	35	87	0.08%	0.09%	0.06%
RL11	gene	L	Glycoprotein	705	12	3564	891	0.26%	0.57%	0.23%	5	242	830	0.02%	0.02%	0.01%	14	340	393	0.10%	0.10%	0.09%	10	1382	705	0.13%	0.23%	0.11%
RL12	gene	E-L	Unknown	1245	1	3	48	0.01%	0.01%	0.00%	23	214	200	0.09%	0.08%	0.06%	0	0	84	0.00%	0.00%	0.00%	8	72	111	0.03%	0.03%	0.02%
RL13	gene	E-L	Unknown	882	2	9	30	0.03%	0.03%	0.01%	0	0	250	0.00%	0.00%	0.00%	0	0	72	0.00%	0.00%	0.00%	1	3	117	0.01%	0.01%	0.00%
UL1	gene	E-L	Envelope	657	0	0	14	0.00%	0.00%	0.00%	12	96	233	0.06%	0.06%	0.03%	3	349	2379	0.02%	0.02%	0.02%	5	148	875	0.03%	0.03%	0.02%
UL2	gene	L	Unknown	180	8	141	83	0.59%	0.94%	0.47%	1	21	909	0.01%	0.01%	0.00%	2	114	2627	0.02%	0.02%	0.01%	4	92	1206	0.21%	0.33%	0.16%
UL4	gene	E	Glycoprotein	450	15	153	51	0.53%	0.56%	0.39%	0	0	166	0.00%	0.00%	0.00%	5	656	1325	0.12%	0.11%	0.06%	7	270	514	0.22%	0.22%	0.15%
UL5	gene	E	Unknown	501	18	12078	10486	0.21%	0.23%	0.16%	11	498	1508	0.06%	0.07%	0.04%	9	797	2354	0.07%	0.07%	0.03%	13	4458	4783	0.11%	0.12%	0.08%
UL6	gene	unk	Unknown	843	8	347	1594	0.02%	0.03%	0.02%	20	222	351	0.07%	0.07%	0.05%	22	2766	3845	0.09%	0.09%	0.07%	17	1112	1930	0.06%	0.06%	0.05%
UL7	gene	L	Unknown	669	3	46	45	0.10%	0.15%	0.06%	4	27	295	0.01%	0.01%	0.01%	2	252	1828	0.02%	0.02%	0.01%	3	108	723	0.04%	0.06%	0.03%
UL8	gene	unk	Unknown	369	8	3169	8862	0.09%	0.10%	0.05%	13	2229	1371	0.38%	0.44%	0.25%	5	1235	1065	0.11%	0.20%	0.06%	9	2211	3766	0.19%	0.25%	0.12%
UL9	gene	L	Glycoprotein	702	0	0	98	0.00%	0.00%	0.00%	0	0	16	0.00%	0.00%	0.00%	1	3	85	0.01%	0.01%	0.01%	0	1	66	0.00%	0.00%	0.00%
UL10	gene	unk	Unknown	765	0	0	105	0.00%	0.00%	0.00%	8	28	112	0.03%	0.03%	0.01%	0	0	208	0.00%	0.00%	0.00%	3	9	142	0.01%	0.01%	0.00%
UL11	gene	E	Glycoprotein	819	18	517	538	0.10%	0.11%	0.06%	34	409	239	0.20%	0.19%	0.09%	27	1253	814	0.19%	0.19%	0.18%	26	726	530	0.16%	0.16%	0.11%
UL13	gene	E	Unknown	1422	116	64705	9725	0.39%	0.47%	0.26%	167	10319	1171	0.52%	0.62%	0.31%	101	17482	4157	0.31%	0.30%	0.21%	128	30835	5018	0.41%	0.46%	0.26%
UL14	gene	L	Unknown	984	74	2783	1217	0.29%	0.23%	0.25%	108	2166	545	0.51%	0.40%	0.31%	114	7350	2082	0.52%	0.36%	0.42%	99	4100	1281	0.44%	0.33%	0.33%
UL15A	gene	L	Unknown	309	37	3505	2197	0.49%	0.52%	0.36%	44	1669	867	0.64%	0.63%	0.36%	41	3628	2153	0.57%	0.55%	0.43%	41	2934	1739	0.56%	0.56%	0.38%
UL16	gene	E	Glycoprotein	693	28	1247	784	0.21%	0.23%	0.18%	35	1285	622	0.28%	0.30%	0.18%	41	1974	832	0.32%	0.34%	0.28%	35	1502	746	0.27%	0.29%	0.21%
UL17	gene	E	Unknown	315	8	166	704	0.07%	0.08%	0.06%	14	198	495	0.13%	0.13%	0.05%	13	276	723	0.12%	0.12%	0.09%	12	213	641	0.11%	0.11%	0.07%
UL18	gene	L	Glycoprotein	1107	22	1033	463	0.10%	0.17%	0.08%	37	856	385	0.17%	0.19%	0.12%	31	418	279	0.14%	0.12%	0.11%	30	769	376	0.14%	0.16%	0.10%
UL19	gene	unk	Unknown	297	0	0	255	0.00%	0.00%	0.00%	2	72	1538	0.02%	0.02%	0.00%	0	0	255	0.00%	0.00%	0.00%	1	24	683	0.01%	0.01%	0.00%
UL20	gene	unk	Glycoprotein	1017	2	61	774	0.01%	0.01%	0.01%	4	21	164	0.01%	0.01%	0.01%	5	56	220	0.02%	0.01%	0.01%	4	46	386	0.01%	0.01%	0.01%
UL21A	gene	E-L	Glycoprotein	372	14	1181	3272	0.10%	0.10%	0.07%	6	58	290	0.05%	0.05%	0.02%	19	540	537	0.27%	0.27%	0.18%	13	593	1366	0.14%	0.14%	0.09%
UL22A	gene	unk	Glycoprotein	317	5	104	224	0.12%	0.15%	0.08%	24	7113	4962	0.39%	0.42%	0.18%	1	9	149	0.02%	0.02%	0.02%	10	2409	1778	0.17%	0.20%	0.09%
UL23	gene	unk	Matrix/Tegument	855	31	137	109	0.13%	0.13%	0.10%	30	1553	1589	0.11%	0.11%	0.06%	9	30	44	0.08%	0.09%	0.05%	23	573	581	0.11%	0.11%	0.07%
UL24	gene	E-L	Matrix/Tegument	903	38	162	133	0.13%	0.13%	0.12%	29	1760	1704	0.11%	0.11%	0.03%	17	95	52	0.18%	0.19%	0.14%	28	672	630	0.14%	0.15%	0.10%
UL25	gene	L	Matrix/Tegument	1971	24	1286	625	0.09%	0.08%	0.06%	174	71416	5921	0.43%	0.61%	0.17%	78	1599	212	0.27%	0.27%	0.17%	92	24767	2253	0.26%	0.32%	0.14%
UL26	gene	E	Matrix/Tegument	567	17	127	132	0.14%	0.16%	0.11%	104	7066	1906	0.62%	0.65%	0.14%	17	69	43	0.23%	0.23%	0.13%	46	2421	694	0.33%	0.35%	0.13%
UL27	gene	E	Unknown	1827	167	7178	1046	0.35%	0.38%	0.29%	208	19203	1897	0.46%	0.55%	0.22%	174	1181	153	0.41%	0.42%	0.28%	183	9187	1032	0.41%	0.45%	0.26%
UL29	gene	E	Unknown	2102	144	3909	728	0.25%	0.26%	0.19%	142	3457	582	0.28%	0.28%	0.14%	174	1030	136	0.35%	0.35%	0.23%	153	2799	482	0.29%	0.30%	0.19%
UL30	gene	unk	Unknown	366	14	235	650	0.10%	0.10%	0.08%	5	97	564	0.04%	0.05%	0.03%	22	101	133	0.20%	0.20%	0.15%	14	144	449	0.11%	0.12%	0.08%
UL31	gene	L	Unknown	1788	117	23870	4166	0.29%	0.32%	0.24%	133	13060	1908	0.30%	0.38%	0.14%	91	1411	274	0.24%	0.20%	0.17%	114	12780	2116	0.28%	0.30%	0.18%
UL32	gene	L	Matrix/Tegument	3150	205	20715	1388	0.37%	0.47%	0.29%	301	8604	725	0.37%	0.38%	0.19%	134	725	72	0.31%	0.29%	0.22%	213	10015	728	0.35%	0.38%	0.23%
UL33	gene	E	Glycoprotein	1238	29	881	674	0.10%	0.10%	0.08%	38	2796	2067	0.10%	0.11%	0.03%	17	197	226	0.07%	0.06%	0.05%	28	1291	989	0.09%	0.09%	0.05%
UL34	gene	E-L	Regulatory	1224	126	2075	476	0.35%	0.36%	0.27%	112	5160	1314	0.31%	0.32%	0.14%	126	2286	461	0.38%	0.41%	0.28%	121	3174	750	0.35%	0.36%	0.23%
UL35	gene	E	Matrix/Tegument	1926	106	3282	930	0.19%	0.18%	0.15%	119	6941	1708	0.21%	0.21%	0.12%	124	2127	461	0.22%	0.24%	0.18%	116	4117	1033	0.21%	0.15%	0.15%
UL36	gene	IE	Matrix/Tegument	1430	67	878	318	0.18%	0.19%	0.10%	41	1542	958	0.10%	0.11%	0.06%	37	1254	873	0.09%	0.10%	0.07%	48	1225	717	0.13%	0.13%	0.09%
UL37	gene	L	Matrix/Tegument	1272	178	9054	1187	0.57%	0.60%	0.43%	194	10982	1203	0.63%	0.63%	0.29%	122	8963	1525	0.42%	0.43%	0.30%	165	9666	1305	0.54%	0.55%	0.34%
UL44	gene	E-L	DNA Replication	1302	76	558	167	0.25%	0.26%	0.12%	86	2927	707	0.29%	0.32%	0.10%	183	6675	1078	0.21%	0.20%	0.20%	173	11606	782	0.21%	0.23%	0.15%
UL45	gene	L	Matrix/Tegument	2721	122	2140	534	0.16%	0.15%	0.13%	185	12793	1964	0.24%	0.24%	0.12%	226	2215	257	0.32%	0.31%	0.22%	178	5716	918	0.24%	0.23%	0.16%
UL46	gene	E-L	capsid	2952	146	24194	859	0.18%	0.16%	0.14%	190	3950</td																

UL84	gene	E-L	DNA Replication	1764	171	5809	806	0.40%	0.41%	0.29%	155	1176	154	0.39%	0.41%	0.15%	143	40175	4413	0.40%	0.52%	0.23%	156	15720	1791	0.40%	0.45%	0.22%
UL85	gene	E-L	capsid	921	61	2898	1180	0.26%	0.27%	0.21%	72	1066	303	0.37%	0.38%	0.19%	67	13896	4218	0.32%	0.36%	0.24%	67	5953	1900	0.32%	0.34%	0.21%
UL86	gene	E-L	capsid	4113	219	6781	717	0.22%	0.23%	0.15%	180	3954	624	0.15%	0.15%	0.07%	173	19960	3466	0.14%	0.14%	0.09%	191	10232	1602	0.17%	0.17%	0.11%
UL87	gene	E-L	Matrix?	2826	163	2065	204	0.29%	0.30%	0.21%	196	7063	882	0.28%	0.28%	0.13%	227	65160	5463	0.33%	0.42%	0.25%	195	24763	2183	0.30%	0.34%	0.20%
UL88	gene	unk	Matrix/Tegument	1290	95	2109	279	0.40%	0.52%	0.26%	131	4059	570	0.45%	0.55%	0.22%	101	9266	2465	0.27%	0.29%	0.17%	109	5145	1104	0.37%	0.45%	0.22%
UL89	gene	E-L	DNA Packaging	2024	38	351	241	0.22%	0.23%	0.18%	47	544	224	0.25%	0.26%	0.18%	36	5551	254	0.18%	0.18%	0.21%	40	2149	239	0.22%	0.22%	0.19%
UL91	gene	L	Unknown	606	107	7341	204	0.28%	0.30%	0.09%	158	9269	273	0.39%	0.49%	0.13%	113	29050	6886	0.26%	0.24%	0.12%	126	15220	2454	0.31%	0.34%	0.12%
UL92	gene	L	Unknown	1785	38	638	254	0.16%	0.17%	0.18%	39	672	352	0.16%	0.17%	0.13%	48	7198	5193	0.20%	0.21%	0.15%	42	2836	1933	0.17%	0.18%	0.15%
UL93	gene	L	DNA Packaging	1038	125	2271	1350	0.34%	0.29%	0.19%	126	1813	1047	0.35%	0.28%	0.20%	51	26175	6760	0.21%	0.23%	0.17%	101	10086	3052	0.30%	0.26%	0.19%
UL94	gene	L	Matrix/Tegument	1602	99	2467	358	0.23%	0.24%	0.14%	428	13225	385	0.30%	0.36%	0.07%	342	75348	3283	0.23%	0.22%	0.15%	290	30347	1342	0.25%	0.27%	0.12%
UL95	gene	E-L	Matrix?	5928	325	1107	462	0.25%	0.27%	0.23%	148	2467	393	0.32%	0.30%	0.16%	132	31463	5438	0.27%	0.27%	0.17%	202	15012	2097	0.28%	0.28%	0.18%
UL96	gene	E-L	Matrix/Tegument	384	19	115	513	0.16%	0.16%	0.15%	16	95	396	0.11%	0.11%	0.06%	18	90	5806	0.13%	0.13%	0.09%	18	100	2238	0.13%	0.13%	0.10%
UL97	gene	E-L	Matrix/Tegument	2124	140	1498	187	0.29%	0.26%	0.21%	166	1986	222	0.34%	0.27%	0.14%	182	7330	183	0.36%	0.36%	0.27%	163	3605	197	0.33%	0.30%	0.21%
UL98	gene	E-L	DNA Replication	1755	155	1199	247	0.36%	0.35%	0.25%	193	1983	332	0.44%	0.47%	0.22%	200	16663	939	0.51%	0.47%	0.36%	183	6615	506	0.44%	0.43%	0.28%
UL99	gene	L	Envelope	573	33	597	189	0.20%	0.24%	0.16%	50	1578	238	0.38%	0.42%	0.21%	41	7496	205	0.34%	0.53%	0.20%	41	3224	817	0.31%	0.40%	0.19%
UL100	gene	E-L	Glycoprotein	1116	0	0	405	0.00%	0.00%	0.00%	51	2808	657	0.17%	0.17%	0.08%	25	129	2469	0.15%	0.14%	0.08%	25	979	1177	0.11%	0.10%	0.05%
UL102	gene	L	DNA Replication	2622	0	0	34	0.00%	0.00%	0.00%	334	3376	1486	0.59%	0.62%	0.23%	112	558	77	0.40%	0.39%	0.26%	149	1311	533	0.33%	0.34%	0.16%
UL103	gene	L	Matrix/Tegument	750	0	0	7	0.00%	0.00%	0.00%	33	276	207	0.13%	0.14%	0.09%	14	53	54	0.09%	0.09%	0.07%	16	110	89	0.07%	0.08%	0.05%
UL104	gene	E	capsid	2871	97	814	7	0.18%	0.14%	0.07%	207	61019	264	0.28%	0.22%	0.16%	253	21232	77	0.34%	0.34%	0.08%	186	27688	116	0.27%	0.23%	0.10%
UL105	gene	E	DNA Replication	2094	26	190	117	0.08%	0.07%	0.13%	169	11204	255	0.31%	0.39%	0.15%	43	1843	255	0.14%	0.07%	0.25%	79	4412	209	0.17%	0.18%	0.18%
UL111A	gene	E-L	Immune Evasion	183	0	0	147	0.00%	0.00%	0.00%	36	635	9619	0.38%	0.35%	0.03%	0	0	2179	0.00%	0.00%	0.00%	12	212	3982	0.13%	0.12%	0.01%
UL112	gene	E	DNA Replication	2054	65	696	96	0.15%	0.17%	0.10%	320	9543	1380	0.64%	0.64%	0.35%	19	135	649	0.13%	0.15%	0.05%	135	3458	709	0.31%	0.32%	0.16%
UL114	gene	E	DNA Replication	753	10	37	31	0.07%	0.08%	0.06%	70	2200	348	0.34%	0.33%	0.17%	0	0	3	0.00%	0.00%	0.00%	27	746	127	0.14%	0.14%	0.08%
UL115	gene	L	Glycoprotein	837	26	210	175	0.18%	0.16%	0.16%	66	2671	624	0.29%	0.30%	0.15%	35	261	54	0.22%	0.21%	0.19%	42	1047	284	0.23%	0.22%	0.17%
UL116	gene	E-L	Unknown	942	6	57	62	0.02%	0.02%	0.02%	57	3052	884	0.34%	0.32%	0.16%	34	190	17	0.22%	0.17%	0.17%	32	1100	321	0.19%	0.17%	0.11%
UL117	gene	L	Unknown	1278	1	3	116	0.01%	0.01%	0.00%	149	5396	1082	0.64%	0.61%	0.29%	50	198	139	0.29%	0.22%	0.17%	67	1866	446	0.31%	0.28%	0.15%
UL119	gene	E	Glycoprotein	1037	21	133	203	0.12%	0.09%	0.11%	11	890	1001	0.04%	0.02%	0.01%	14	84	100	0.14%	0.12%	0.09%	15	369	435	0.10%	0.08%	0.07%
UL120	gene	L	Unknown	606	2	9	22	0.03%	0.03%	0.03%	10	359	691	0.08%	0.10%	0.02%	3	10	67	0.02%	0.02%	0.02%	5	126	260	0.04%	0.05%	0.02%
UL121	gene	L	Unknown	543	21	109	117	0.19%	0.20%	0.15%	22	927	3497	0.16%	0.17%	0.07%	22	145	73	0.18%	0.20%	0.14%	22	394	1229	0.18%	0.19%	0.12%
UL122	gene	IE,L	Regulatory	1741	8	91	67	0.02%	0.02%	0.08%	18	586	605	0.03%	0.04%	0.12%	12	229	86	0.03%	0.04%	0.11%	13	302	252	0.03%	0.03%	0.10%
UL123	gene	IE	Regulatory	1474	32	153	92	0.11%	0.11%	0.01%	102	3671	985	0.23%	0.24%	0.02%	54	311	126	0.14%	0.15%	0.02%	63	1378	401	0.16%	0.17%	0.02%
UL124	gene	E	Unknown	453	53	1102	75	0.53%	0.48%	0.46%	48	847	885	0.37%	0.39%	0.21%	57	1059	106	0.55%	0.57%	0.46%	53	1003	355	0.48%	0.48%	0.38%
UL128	gene	E	Glycoprotein	391	22	795	213	0.23%	0.25%	0.20%	18	227	1105	0.22%	0.22%	0.09%	21	1930	336	0.21%	0.23%	0.18%	20	984	551	0.22%	0.23%	0.16%
UL130	gene	E-L	Glycoprotein	645	10	462	507	0.04%	0.05%	0.03%	18	241	481	0.08%	0.09%	0.03%	7	863	411	0.04%	0.04%	0.03%	12	522	466	0.06%	0.06%	0.03%
UL131A	gene	L	Glycoprotein	389	34	7296	800	0.35%	0.27%	0.31%	28	420	270	0.41%	0.44%	0.29%	24	2841	2147	0.30%	0.28%	0.24%	29	3519	1072	0.35%	0.33%	0.28%
UL132	gene	E-L	Glycoprotein	813	15	1283	1588	0.07%	0.08%	0.05%	18	243	433	0.10%	0.11%	0.03%	19	1889	3012	0.09%	0.10%	0.06%	17	1138	1677	0.09%	0.09%	0.05%
UL148	gene	unk	Unknown	951	33	4977	6865	0.11%	0.12%	0.09%	38	1320	244	0.14%	0.12%	0.09%	32	8989	2571	0.14%	0.13%	0.10%	34	5095	3227	0.13%	0.12%	0.09%
UL147A	gene	unk	Unknown	228	0	0	2018	0.00%	0.00%	0.00%	0	0	278	0.00%	0.00%	0.00%	0	0	2397	0.00%	0.00%	0.00%	0	0	1564	0.00%	0.00%	0.00%
UL147	gene	E-L	Regulatory	480	0	0	4449	0.00%	0.00%	0.00%	1	144	1183	0.01%	0.01%	0.01%	2	25	7394	0.02%	0.02%	0.01%	1	56	4342	0.01%	0.01%	0.01%
UL146	gene	unk	Regulatory	363	0	0	255	0.00%	0.00%	0.00%	0	0	2105	0.00%	0.00%	0.00%	0	0	227	0.00%	0.00%	0.00%	0	0	862	0.00%	0.00%	0.00%
UL145	gene	unk	Unknown	393	1	28	1162	0.01%	0.01%	0.00%	1	18	672	0.01%	0.01%	0.01%	1	61	1975	0.01%	0.01%	0.00%	1	36	1270	0.01%	0.01%	0.00%
UL144	gene	unk	Glycoprotein	531	0	0	252	0.00%	0.00%	0.00%	1	5	103	0.01%	0.01%	0.01%	4	1914	922	0.16%	0.27%	0.07%	2	640	426	0.06%	0.09%	0.03%
UL142	gene	unk	Glycoprotein	918	4	50	357	0.02%	0.02%	0.01%	10	94	211	0.05%	0.05%	0.03%	18	248	288	0.09%	0.09%	0.07%	11	131	285	0.05%	0.05%	0.04%
UL141	gene	unk	Glycoprotein	1017	47	7599	3205	0.23%	0.22%	0.14%	72	7571	2847	0.38%	0.26%	0.21%	81	14368	3483	0.44%	0.41%	0.31%	67	9846	3178	0.35%	0.30%	0.22%
UL140	gene	unk	Unknown	576	3	16	46	0.06%	0.06%	0.05%	40	4782	3009	0.26%	0.28%	0.14%	83	2567	759	0.53%	0.59%	0.46%	42	2455	1271	0.29%	0.31%	0.22%

US30	gene	E	Unknown	1050	31	661	554	0.11%	0.11%	0.09%	0	0	20	0.00%	0.00%	21	784	1175	0.06%	0.06%	0.05%	17	482	583	0.06%	0.06%	0.05%	
US31	gene	unk	Unknown	486	28	812	561	0.29%	0.30%	0.25%	0	0	5	0.00%	0.00%	41	1842	1026	0.35%	0.37%	0.29%	23	885	531	0.21%	0.22%	0.18%	
US32	gene	L	Unknown	552	42	858	577	0.26%	0.27%	0.23%	0	0	5	0.00%	0.00%	42	1893	982	0.33%	0.35%	0.27%	28	917	521	0.20%	0.21%	0.16%	
US34	gene	E	Unknown	492	27	650	581	0.24%	0.23%	0.22%	44	1363	730	0.36%	0.38%	23	1298	1461	0.17%	0.18%	0.16%	31	1104	924	0.26%	0.26%	0.20%	
US34A	gene	unk	Unknown	195	1	9	370	0.01%	0.01%	0.01%	1	10	523	0.01%	0.01%	0	0	255	0.00%	0.00%	0.00%	1	6	383	0.01%	0.01%	0.01%	
TRS1	gene	E	Regulatory	2367	54	4688	1108	0.14%	0.17%	0.09%	58	8772	3297	0.11%	0.11%	0.05%	53	15080	5980	0.11%	0.11%	0.08%	55	9513	3462	0.12%	0.13%	0.08%
UL112	miRNA			67	0	0	72	0.00%	0.00%	NA	0	0	1124	0.00%	0.00%	NA	0	0	53	0.00%	0.00%	NA	0	0	416	0.00%	0.00%	NA
UL148D	miRNA			72	1	4	3960	0.03%	0.03%	NA	0	0	10077	0.00%	0.00%	NA	0	0	2656	0.00%	0.00%	NA	0	1	5564	0.01%	0.01%	NA
UL22A	miRNA			68	5	184	221	0.22%	0.22%	NA	12	1305	4483	0.91%	0.99%	NA	0	0	147	0.00%	0.00%	NA	6	496	1617	0.38%	0.40%	NA
UL36	miRNA			75	1	4	187	0.07%	0.07%	NA	0	0	944	0.00%	0.00%	NA	0	0	875	0.00%	0.00%	NA	0	1	669	0.02%	0.02%	NA
UL70	miRNA			62	5	550	1349	0.19%	0.20%	NA	5	1798	2167	0.24%	0.25%	NA	8	757	544	0.39%	0.40%	NA	6	1035	1353	0.27%	0.28%	NA
US25-1	miRNA			70	3	39	33	0.10%	0.10%	NA	1	30	612	0.03%	0.03%	NA	0	0	27	0.00%	0.00%	NA	1	23	224	0.04%	0.04%	NA
US25-2	miRNA			90	0	0	61	0.00%	0.00%	NA	1	137	642	0.04%	0.04%	NA	1	25	91	0.04%	0.04%	NA	1	54	265	0.03%	0.03%	NA
US33	miRNA			70	0	0	100	0.00%	0.00%	NA	0	0	1459	0.00%	0.00%	NA	0	0	1321	0.00%	0.00%	NA	0	0	960	0.00%	0.00%	NA
US4	miRNA			84	3	11	476	0.45%	0.50%	NA	16	476	1369	1.06%	1.13%	NA	0	0	22	0.00%	0.00%	NA	6	162	622	0.50%	0.54%	NA
US5-1	miRNA			66	0	0	431	0.00%	0.00%	NA	3	46	5060	0.08%	0.08%	NA	0	0	928	0.00%	0.00%	NA	1	15	2140	0.03%	0.03%	NA
US5-2	miRNA			65	15	94	433	1.19%	1.34%	NA	19	1249	5067	1.17%	1.24%	NA	25	2386	908	2.17%	2.62%	NA	20	1243	2136	1.51%	1.73%	NA
UL	Misc	NA	NA	193019	7268	463036	1201	0.17%	0.18%	NA	11679	704159	1347	0.26%	0.26%	NA	8964	843029	1528	0.21%	0.25%	NA	9304	670075	1358	0.21%	0.23%	NA
US	Misc	NA	NA	35482	1248	98620	1409	0.16%	0.17%	NA	1615	170137	2178	0.20%	0.22%	NA	1329	100502	1312	0.19%	0.18%	NA	1397	123086	1633	0.18%	0.19%	NA
TRL	Misc	NA	NA	1324	8	256	882	0.02%	0.02%	NA	1	198	306	0.02%	0.03%	NA	2	47	26	0.01%	0.14%	NA	4	167	404	0.02%	0.06%	NA
IRL	Misc	NA	NA	1324	8	1142	1870	0.04%	0.04%	NA	23	5533	6815	0.07%	0.06%	NA	8	420	143	0.08%	0.22%	NA	13	2365	2943	0.07%	0.11%	NA
IRS	Misc	NA	NA	2537	13	855	420	0.03%	0.07%	NA	22	18941	8263	0.06%	0.09%	NA	7	416	155	0.04%	0.11%	NA	14	6737	2946	0.04%	0.09%	NA
TRS	Misc	NA	NA	2538	20	691	494	0.08%	0.05%	NA	10	2361	1465	0.04%	0.06%	NA	15	1378	1142	0.06%	0.05%	NA	15	1477	1034	0.06%	0.05%	NA