

Table S3. Classification, location, and characterization of complete LTR retroelements identified in the pepper genome.

Name	Clade	Familia	Superfamily	LTR lenght	LTR similarity	Total Length	LTR5i	LTR5f	LTR3i	LTR3f	MYA
Ch05a_56	Ale/Retrofit	CopiaCa_01	Copia	156	1	4730	31745748	31745903	31750322	31750477	1.9
Ch01b_13	Ale/Retrofit	CopiaCa_01	Copia	151	1	4832	5744952	5745102	5749634	5749784	0.0
Ch01a_87	Ale/Retrofit	CopiaCa_01	Copia	151	0.987	4847	37201499	37201649	37206196	37206346	0.5
Ch01b_09	Ale/Retrofit	CopiaCa_01	Copia	155	0.994	4748	4893146	4893300	4897740	4897894	0.3
Ch01d_04	Ale/Retrofit	CopiaCa_01	Copia	152	1	4760	3434767	3434918	3439376	3439527	0.0
Ch01d_15	Ale/Retrofit	CopiaCa_01	Copia	144	1	4752	12816672	12816815	12821281	12821424	0.0
Ch01f_26	Ale/Retrofit	CopiaCa_01	Copia	152	0.993	4741	27352830	27352981	27357420	27357571	0.3
Ch01g_05	Ale/Retrofit	CopiaCa_01	Copia	152	0.987	4848	1498772	1498923	1503469	1503620	0.5
Ch01g_19	Ale/Retrofit	CopiaCa_01	Copia	152	1	4780	13452623	13452774	13457252	13457403	0.0
Ch01h_04	Ale/Retrofit	CopiaCa_01	Copia	152	1	4740	3075435	3075586	3080024	3080175	0.0
Ch01h_11	Ale/Retrofit	CopiaCa_01	Copia	152	0.993	4849	6710027	6710178	6714725	6714876	0.3
Ch01h_27	Ale/Retrofit	CopiaCa_01	Copia	155	0.994	4854	21489758	21489912	21494458	21494612	0.3
Ch01h_28	Ale/Retrofit	CopiaCa_01	Copia	155	1	4855	22248259	22248413	22252960	22253114	0.0
Ch02c_36	Ale/Retrofit	CopiaCa_01	Copia	152	0.987	4729	20273963	20274114	20278541	20278692	0.5
Ch02c_48	Ale/Retrofit	CopiaCa_01	Copia	152	0.993	4914	26453525	26453676	26458288	26458439	0.3
Ch02d_25	Ale/Retrofit	CopiaCa_01	Copia	152	1	5217	11447043	11447194	11452109	11452260	0.0
Ch02d_45	Ale/Retrofit	CopiaCa_01	Copia	151	1	4764	19299775	19299925	19304389	19304539	0.0
Ch02d_64	Ale/Retrofit	CopiaCa_01	Copia	244	0.931	8120	27508803	27509046	27516679	27516923	2.7
Ch02e_04	Ale/Retrofit	CopiaCa_01	Copia	151	1	4751	727085	727235	731686	731836	0.0
Ch02e_15	Ale/Retrofit	CopiaCa_01	Copia	152	0.98	4848	5305485	5305636	5310182	5310333	0.8
Ch02e_75	Ale/Retrofit	CopiaCa_01	Copia	156	1	4776	29247070	29247225	29251691	29251846	0.0
Ch02e_77	Ale/Retrofit	CopiaCa_01	Copia	155	0.987	4755	29388910	29389064	29393511	29393665	0.5
Ch03a_25	Ale/Retrofit	CopiaCa_01	Copia	152	1	4730	11623147	11623298	11627725	11627876	0.0
Ch03a_38	Ale/Retrofit	CopiaCa_01	Copia	152	0.821	4762	17598217	17598368	17602795	17602978	0.3
Ch03a_40	Ale/Retrofit	CopiaCa_01	Copia	152	1	4924	18023011	18023162	18027783	18027934	0.0
Ch03a_75	Ale/Retrofit	CopiaCa_01	Copia	155	1	4775	31595604	31595758	31600224	31600378	0.0
Ch03a_80	Ale/Retrofit	CopiaCa_01	Copia	151	1	4862	33252140	33252290	33256851	33257001	0.0
Ch03b_32	Ale/Retrofit	CopiaCa_01	Copia	152	1	4831	16935154	16935305	16939833	16939984	0.0
Ch03c_25	Ale/Retrofit	CopiaCa_01	Copia	151	0.993	4774	19328864	19329014	19333487	19333637	0.3
Ch03d_06	Ale/Retrofit	CopiaCa_01	Copia	152	1	4861	7265407	7265558	7270116	7270267	0.0
Ch03d_19	Ale/Retrofit	CopiaCa_01	Copia	152	1	4852	23503026	23503177	23507726	23507877	0.0
Ch03e_33	Ale/Retrofit	CopiaCa_01	Copia	151	1	4863	30030870	30031020	30035582	30035732	0.0
Ch03f_07	Ale/Retrofit	CopiaCa_01	Copia	152	1	4760	11510273	11510424	11514881	11515032	0.0
Ch03g_30	Ale/Retrofit	CopiaCa_01	Copia	151	1	4738	15580993	15581143	15585580	15585730	0.0

Ch03g_44	Ale/Retrofit	CopiaCa_01	Copia	152	0,993	4729	21042913	21043064	21047490	21047641	0.0
Ch03g_68	Ale/Retrofit	CopiaCa_01	Copia	151	1	4728	31032181	31032331	31036758	31036908	0.0
Ch03g_70	Ale/Retrofit	CopiaCa_01	Copia	150	0,993	4858	31545401	31545550	31550109	31550258	0.3
Ch04a_01	Ale/Retrofit	CopiaCa_01	Copia	155	1	4751	70171	70325	74768	74922	0.0
Ch04a_05	Ale/Retrofit	CopiaCa_01	Copia	151	1	4747	2976467	2976617	2981064	2981214	0.0
Ch04a_29	Ale/Retrofit	CopiaCa_01	Copia	152	1	4849	13877500	13877651	13882198	13882349	0.0
Ch04b_09	Ale/Retrofit	CopiaCa_01	Copia	151	1	4846	5288003	5288153	5292699	5292849	0.0
Ch04c_14	Ale/Retrofit	CopiaCa_01	Copia	152	1	4740	10806867	10807018	10811456	10811607	0.0
Ch04e_07	Ale/Retrofit	CopiaCa_01	Copia	151	0,993	4848	9299410	9299560	9304107	9304258	0.0
Ch04e_10	Ale/Retrofit	CopiaCa_01	Copia	143	0,993	4763	12555529	12555671	12560150	12560292	0.3
Ch04e_31	Ale/Retrofit	CopiaCa_01	Copia	152	0,987	4848	32116977	32117128	32121674	32121825	0.5
Ch04f_14	Ale/Retrofit	CopiaCa_01	Copia	152	0,993	4849	14648121	14648272	14652819	14652970	0.3
Ch05c_01	Ale/Retrofit	CopiaCa_01	Copia	152	1	4730	322918	323069	327496	327647	0.1
Ch05c_12	Ale/Retrofit	CopiaCa_01	Copia	152	1	4786	20237893	20238044	20242527	20242678	4.0
Ch05e_23	Ale/Retrofit	CopiaCa_01	Copia	155	1	4856	30677950	30678104	30682651	30682805	0.0
Ch05e_25	Ale/Retrofit	CopiaCa_01	Copia	153	1	4775	31998877	31999029	32003499	32003651	0.0
Ch06a_22	Ale/Retrofit	CopiaCa_01	Copia	152	1	4849	8495038	8495189	8499736	8499887	0.0
Ch06b_02	Ale/Retrofit	CopiaCa_01	Copia	152	1	4767	1366241	1366392	1370857	1371008	0.0
Ch06b_37	Ale/Retrofit	CopiaCa_01	Copia	152	1	4769	22037791	22037942	22042409	22042560	0.0
Ch06b_52	Ale/Retrofit	CopiaCa_01	Copia	155	0,987	4854	31229201	31229355	31233901	31234055	0.5
Ch06b_58	Ale/Retrofit	CopiaCa_01	Copia	152	1	4768	38220134	38220285	38224751	38224902	0.0
Ch06d_19	Ale/Retrofit	CopiaCa_01	Copia	152	1	4851	18984236	18984387	18988936	18989087	0.0
Ch07a_02	Ale/Retrofit	CopiaCa_01	Copia	155	1	4855	1698574	1698728	1703274	1703428	0.0
Ch07a_06	Ale/Retrofit	CopiaCa_01	Copia	151	0,993	4840	4097994	4098144	4102683	4102833	1.3
Ch07a_10	Ale/Retrofit	CopiaCa_01	Copia	152	1	4818	8245278	8245429	8249944	8250095	0.0
Ch07a_37	Ale/Retrofit	CopiaCa_01	Copia	155	0,994	4732	27307598	27307752	27312175	27312329	1.3
Ch07e_21	Ale/Retrofit	CopiaCa_01	Copia	152	0,993	4730	22364452	22364603	22369030	22369181	0.3
Ch07f_20	Ale/Retrofit	CopiaCa_01	Copia	152	0,987	4841	13433451	13433602	13438140	13438291	0.5
Ch08a_19	Ale/Retrofit	CopiaCa_01	Copia	152	1	4802	23212503	23212654	23217154	23217305	0.0
Ch08a_23	Ale/Retrofit	CopiaCa_01	Copia	152	1	4772	28445389	28445540	28450010	28450161	0.0
Ch08c_17	Ale/Retrofit	CopiaCa_01	Copia	152	0,993	4848	12717517	12717668	12722214	12722365	0.3
Ch08c_46	Ale/Retrofit	CopiaCa_01	Copia	152	1	5094	30525108	30525259	30530051	30530202	0.0
Ch08d_09	Ale/Retrofit	CopiaCa_01	Copia	152	0,993	4799	6477973	6478124	6482621	6482772	0.3
Ch08d_76	Ale/Retrofit	CopiaCa_01	Copia	152	1	4779	35917600	35917751	35922228	35922379	0.0
Ch09a_05	Ale/Retrofit	CopiaCa_01	Copia	151	1	4757	487645	487795	492252	492402	0.0
Ch09a_31	Ale/Retrofit	CopiaCa_01	Copia	152	0,993	4719	9505969	9506120	9510537	9510688	0.3
Ch09b_01	Ale/Retrofit	CopiaCa_01	Copia	151	1	4835	882046	882196	886731	886881	0.0
Ch09b_25	Ale/Retrofit	CopiaCa_01	Copia	152	1	4761	20480310	20480461	20484920	20485071	0.0

Ch09b_39	Ale/Retrofit	CopiaCa_01	Copia	152	1	4849	31818606	31818757	31823304	31823455	0.0
Ch09d_04	Ale/Retrofit	CopiaCa_01	Copia	128	0,945	4771	5873077	5873204	5877725	5877848	0.0
Ch09d_15	Ale/Retrofit	CopiaCa_01	Copia	152	1	4740	19138451	19138602	19143040	19143191	0.8
Ch09e_14	Ale/Retrofit	CopiaCa_01	Copia	151	0,961	4807	10281188	10281338	10285844	10285995	0.1
Ch09e_38	Ale/Retrofit	CopiaCa_01	Copia	152	1	4729	21794992	21795143	21799570	21799721	0.0
Ch09e_52	Ale/Retrofit	CopiaCa_01	Copia	151	1	4526	32323063	32323213	32327439	32327589	0.0
Ch09f_62	Ale/Retrofit	CopiaCa_01	Copia	152	1	4753	34230723	34230874	34235325	34235476	0.0
Ch09f_64	Ale/Retrofit	CopiaCa_01	Copia	155	1	4713	35652636	35652790	35657195	35657349	0.0
Ch09f_74	Ale/Retrofit	CopiaCa_01	Copia	151	1	5137	41339637	41339787	41344624	41344774	0.0
Ch10a_03	Ale/Retrofit	CopiaCa_01	Copia	152	1	4734	1065001	1065152	1069584	1069735	0.0
Ch10a_11	Ale/Retrofit	CopiaCa_01	Copia	151	1	4914	4581538	4581688	4586302	4586452	0.0
Ch01a_02	Ale/Retrofit	CopiaCa_01	Copia	152	0,993	4778	1465475	1465626	1470102	1470253	0.3
Ch01a_23	Ale/Retrofit	CopiaCa_01	Copia	151	0,987	4860	10328962	10329112	10333672	10333822	0.5
Ch01a_29	Ale/Retrofit	CopiaCa_01	Copia	152	0,993	4848	12480599	12480750	12485296	12485447	0.3
Ch10a_42	Ale/Retrofit	CopiaCa_01	Copia	151	0,987	4740	16951986	16952136	16956576	16956726	0.5
Ch10a_52	Ale/Retrofit	CopiaCa_01	Copia	151	1	4858	25562600	25562750	25567308	25567458	0.0
Ch10a_73	Ale/Retrofit	CopiaCa_01	Copia	151	1	4765	40602115	40602265	40606730	40606880	0.0
Ch10b_27	Ale/Retrofit	CopiaCa_01	Copia	152	1	4743	35785453	35785604	35790045	35790196	0.0
Ch10d_40	Ale/Retrofit	CopiaCa_01	Copia	152	0,987	5350	37467285	37467436	37472484	37472635	0.5
Ch10f_42	Ale/Retrofit	CopiaCa_01	Copia	152	0,993	4774	18806717	18806868	18811340	18811491	0.3
Ch11a_03	Ale/Retrofit	CopiaCa_01	Copia	152	1	4745	336148	336299	340742	340893	0.0
Ch11a_09	Ale/Retrofit	CopiaCa_01	Copia	152	1	4794	3555706	3555857	3560349	3560500	0.0
Ch11a_13	Ale/Retrofit	CopiaCa_01	Copia	152	1	4847	4580383	4580534	4585079	4585230	0.0
Ch11a_19	Ale/Retrofit	CopiaCa_01	Copia	152	1	4749	7925970	7926121	7930568	7930719	0.0
Ch11d_12	Ale/Retrofit	CopiaCa_01	Copia	152	1	4772	20846972	20847123	20851593	20851744	0.0
Ch11e_24	Ale/Retrofit	CopiaCa_01	Copia	151	0,993	4738	21813460	21813610	21818048	21818198	0.3
Ch11e_36	Ale/Retrofit	CopiaCa_01	Copia	152	0,987	4767	30189092	30189243	30193709	30193859	0.3
Ch11f_27	Ale/Retrofit	CopiaCa_01	Copia	155	1	5019	14746753	14746907	14751618	14751772	0.0
Ch12a_21	Ale/Retrofit	CopiaCa_01	Copia	152	0,987	4729	5213744	5213895	5218322	5218473	0.5
Ch12a_53	Ale/Retrofit	CopiaCa_01	Copia	155	1	4735	20092349	20092503	20096930	20097084	0.0
Ch12a_64	Ale/Retrofit	CopiaCa_01	Copia	152	1	4942	24989903	24990054	24994694	24994845	0.0
Ch12a_73	Ale/Retrofit	CopiaCa_01	Copia	152	1	4848	28787466	28787617	28792163	28792314	0.0
Ch12a_74	Ale/Retrofit	CopiaCa_01	Copia	152	1	4772	29063372	29063523	29067993	29068144	0.0
Ch12a_86	Ale/Retrofit	CopiaCa_01	Copia	155	0,994	4854	35912920	35913074	35917620	35917774	0.3
Ch12c_14	Ale/Retrofit	CopiaCa_01	Copia	153	1	4857	7545915	7546067	7550620	7550772	0.0
Ch12d_12	Ale/Retrofit	CopiaCa_01	Copia	152	1	4872	12858988	12859139	12863709	12863860	0.0
Ch12d_16	Ale/Retrofit	CopiaCa_01	Copia	152	1	4801	17957598	17957749	17962248	17962399	0.0
Ch03g_57	Ale/Retrofit	CopiaCa_02	Copia	278	0,972	5347	25396786	25397063	25401850	25402132	0.7

Ch06a_97	Ale/Retrofit	CopiaCa_02	Copia	310	0.984	5501	33561612	33561921	33566802	33567113	0.4
Ch03f_22	Ale/Retrofit	CopiaCa_05	Copia	292	0,935	5199	22108654	22108945	22113559	22113852	2.5
Ch04f_30	Ale/Retrofit	CopiaCa_05	Copia	120	0,942	5228	21870760	21870879	21875871	21875988	3.2
Ch04a_63	Ale/Retrofit	CopiaCa_08	Copia	259	0.907	7551	31924210	31924468	31931507	31931761	3.2
Ch11f_53	Ale/Retrofit	CopiaCa_08	Copia	259	0,969	4988	27413610	27413868	27418342	27418598	0.9
Ch03g_03	Ale/Retrofit	CopiaCa_13	Copia	306	0,958	5194	1713174	1713479	1718062	1718367	1.7
Ch06a_46	Ale/Retrofit	CopiaCa_13	Copia	289	0.969	4959	15005169	15005457	15009840	15010128	1.2
Ch03a_85	Ale/Retrofit	CopiaCa_13	Copia	321	0.945	9129	34568510	34568830	34577309	34577638	1.1
Ch12a_52	Ale/Retrofit	CopiaCa_13	Copia	289	0,952	5154	19474465	19474753	19479332	19479619	1.8
Ch04f_39	Ale/Retrofit	CopiaCa_16	Copia	324	0,96	5327	27541756	27542079	27546761	27547083	3.8
Ch05a_44	Ale/Retrofit	CopiaCa_16	Copia	348	0.927	5253	25195631	25195978	25200527	25200883	0.0
Ch06a_104	Ale/Retrofit	CopiaCa_16	Copia	313	0.914	5301	36586051	36586363	36591029	36591352	2.2
Ch09a_20	Ale/Retrofit	CopiaCa_16	Copia	317	0,981	5197	5008924	5009240	5013805	5014121	0.7
Ch10a_18	Ale/Retrofit	CopiaCa_16	Copia	323	0,951	4829	8516067	8516389	8520573	8520896	1.9
Ch02e_44	Ale/Retrofit	CopiaCa_16	Copia	327	0.957	5472	16072586	16072912	16077732	16078058	1.7
Ch09a_06	Ale/Retrofit	CopiaCa_16	Copia	317	0,965	4368	606054	606370	610106	610422	1.1
Ch06a_07	Ale/Retrofit	CopiaCa_18	Copia	298	0.977	5453	3354729	3355026	3359885	3360182	0.9
Ch01g_04	Ale/Retrofit	CopiaCa_18	Copia	246	0,882	4990	1389215	1389460	1393980	1394205	1.4
Ch01a_13	Ale/Retrofit	CopiaCa_18	Copia	308	0.961	5494	7832574	7832881	7837761	7838068	1.3
Ch06a_99	Ale/Retrofit	CopiaCa_19	Copia	269	0.877	5069	34267698	34267966	34272517	34272767	2.5
Ch09e_07	Ale/Retrofit	CopiaCa_19	Copia	282	0,982	5127	6107583	6107864	6112429	6112710	3.5
Ch03a_83	Ale/Retrofit	CopiaCa_20	Copia	272	0,971	5143	34256797	34257068	34261668	34261939	1.2
Ch08d_72	Ale/Retrofit	CopiaCa_20	Copia	317	0,968	5165	34530954	34531270	34535803	34536119	1.3
Ch07c_21	Ale/Retrofit	CopiaCa_21	Copia	266	0,929	4753	27763088	27763353	27767587	27767840	1.1
Ch03a_72	Ale/Retrofit	CopiaCa_21	Copia	266	0,97	5046	28308680	28308945	28313459	28313725	1.0
Ch03b_51	Ale/Retrofit	CopiaCa_22	Copia	329	0,927	5099	29518187	29518515	29522957	29523285	3.0
Ch07a_17	Ale/Retrofit	CopiaCa_22	Copia	304	0,958	5220	11862977	11863280	11867896	11868196	1.8
Ch08a_03	Ale/Retrofit	CopiaCa_22	Copia	307	0,954	5145	2314277	2314583	2319116	2319422	1.8
Ch09d_21	Ale/Retrofit	CopiaCa_22	Copia	334	0,913	5222	25074639	25074972	25079532	25079861	0.1
Ch03a_79	Ale/Retrofit	CopiaCa_22	Copia	297	0,935	5139	33244041	33244337	33248873	33249179	1.3
Ch01a_03	Ale/Retrofit	CopiaCa_22	Copia	406	0.897	5432	1489993	1490398	1495030	1495425	2.4
Ch10a_26	Ale/Retrofit	CopiaCa_22	Copia	307	0,954	5121	12231947	12232253	12236762	12237068	1.8
Ch10d_04	Ale/Retrofit	CopiaCa_22	Copia	361	0,922	5482	6590110	6590470	6595240	6595592	2.4
Ch11a_10	Ale/Retrofit	CopiaCa_22	Copia	331	0,944	4359	3886902	3887232	3890925	3891261	1.1
Ch12c_19	Ale/Retrofit	CopiaCa_22	Copia	307	0,951	5123	10922081	10922387	10926898	10927204	2.0
Ch06a_64	Ale/Retrofit	CopiaCa_37	Copia	144	0.951	4886	22418386	22418529	22423129	22423272	2.0
Ch06c_11	Ale/Retrofit	CopiaCa_37	Copia	299	0.94	5136	9043867	9044165	9048705	9049003	2.4
Ch11d_22	Ale/Retrofit	CopiaCa_37	Copia	298	0,953	5179	34976964	34977261	34981845	34982143	1.8

Ch08d_25	Ale/Retrofit	CopiaCa_41	Copia	332	0,973	5448	18680116	18680447	18685233	18685564	1.1
Ch10a_63	Ale/Retrofit	CopiaCa_41	Copia	392	0,889	5708	31691951	31692342	31697286	31697659	2.0
Ch10a_64	Ale/Retrofit	CopiaCa_41	Copia	195	0,892	5318	31692324	31692518	31697463	31697642	1.3
Ch09d_11	Ale/Retrofit	CopiaCa_43	Copia	142	0,979	4929	14844540	14844681	14849328	14849469	5.0
Ch09e_25	Ale/Retrofit	CopiaCa_43	Copia	654	0,924	8587	18143820	18144473	18151749	18152407	2.5
Ch10b_09	Ale/Retrofit	CopiaCa_43	Copia	165	0,909	4221	12156000	12156164	12160057	12160221	3.8
Ch12c_21	Ale/Retrofit	CopiaCa_43	Copia	142	0,958	4167	16394079	16394220	16398104	16398246	1.4
Ch03d_17	Ale/Retrofit	CopiaCa_45	Copia	267	0,91	4753	18387576	18387842	18392044	18392310	3.8
Ch03f_05	Ale/Retrofit	CopiaCa_45	Copia	263	0,932	4688	11334460	11334722	11338882	11339147	2.3
Ch03g_66	Ale/Retrofit	CopiaCa_45	Copia	266	0,951	4675	29938429	29938694	29942839	29943103	1.8
Ch06a_44	Ale/Retrofit	CopiaCa_45	Copia	205	0.869	4379	14516288	14516492	14520454	14520667	4.1
Ch07a_12	Ale/Retrofit	CopiaCa_45	Copia	266	0,944	4722	8462720	8462985	8467176	8467441	2.4
Ch10f_52	Ale/Retrofit	CopiaCa_45	Copia	263	0,929	4717	23146603	23146865	23151055	23151320	2.4
Ch03a_34	Ale/Retrofit	monotypic	Copia	258	0,938	5124	16186766	16187023	16191632	16191889	1.7
Ch01f_35	Ale/Retrofit	-monotypic	Copia	341	0,919	5432	32570770	32571110	32575844	32576202	1.3
Ch03b_38	Ale/Retrofit	-monotypic	Copia	443	0.902	5472	20949220	20949662	20954241	20954691	3.4
Ch03g_33	Ale/Retrofit	-monotypic	Copia	293	0,969	5127	16556902	16557194	16561736	16562028	1.3
Ch04a_25	Ale/Retrofit	-monotypic	Copia	277	0.953	5197	11021814	11022090	11026735	11027011	1.9
Ch05a_59	Ale/Retrofit	-monotypic	Copia	363	0,948	5321	34142190	34142552	34147149	34147510	3.1
Ch06a_19	Ale/Retrofit	-monotypic	Copia	264	0.943	5080	8050252	8050515	8055075	8055332	1.7
Ch06a_93	Ale/Retrofit	-monotypic	Copia	366	0.948	5500	32485075	32485440	32490210	32490575	2.1
Ch07e_03	Ale/Retrofit	-monotypic	Copia	301	0,947	5106	2578307	2578607	2583110	2583412	1.9
Ch02d_66	Ale/Retrofit	-monotypic	Copia	152	1	4851	28948282	28948433	28952982	28953133	0.0
Ch02d_70	Ale/Retrofit	-monotypic	Copia	156	0.955	4710	30773405	30773560	30777962	30778115	1.3
Ch02d_71	Ale/Retrofit	-monotypic	Copia	306	0.918	5419	30891873	30892178	30896987	30897292	3.4
Ch02e_08	Ale/Retrofit	-monotypic	Copia	353	0.96	5250	2152198	2152550	2157099	2157448	1.3
Ch02e_68	Ale/Retrofit	-monotypic	Copia	236	0.945	4910	26416813	26417048	26421488	26421723	2.2
Ch03a_32	Ale/Retrofit	-monotypic	Copia	275	0,927	5422	15870890	15871164	15876025	15876311	1.3
Ch03a_77	Ale/Retrofit	-monotypic	Copia	233	0,906	5230	32174015	32174247	32179012	32179244	4.0
Ch03g_76	Ale/Retrofit	-monotypic	Copia	278	0,932	4925	32818331	32818608	32822977	32823255	2.7
Ch04d_23	Ale/Retrofit	-monotypic	Copia	184	0.995	4372	29987724	29987907	29991913	29992096	0.2
Ch06a_02	Ale/Retrofit	-monotypic	Copia	304	0.967	5444	1068442	1068745	1073584	1073886	1.2
Ch06a_16	Ale/Retrofit	-monotypic	Copia	207	0.942	5023	6963472	6963678	6968291	6968495	2.0
Ch07e_22	Ale/Retrofit	-monotypic	Copia	268	0,944	5456	23320557	23320824	23325745	23326012	2.0
Ch08d_24	Ale/Retrofit	-monotypic	Copia	312	0,95	5045	15797303	15797614	15802032	15802348	1.4
Ch09a_01	Ale/Retrofit	-monotypic	Copia	273	0,92	4920	96186	96458	100819	101106	1.2
Ch12a_47	Ale/Retrofit	-monotypic	Copia	359	0,95	5414	17264628	17264986	17269687	17270042	1.7
Ch10f_01	Ale/Retrofit	-monotypic	Copia	339	0,939	5295	1511028	1511366	1515978	1516323	1.8

Ch10f_23	Ale/Retrofit	-monotypic	Copia	303	5103	5102	12877150	12877452	12881952	12882252	2.3
Ch12e_38	Ale/Retrofit	-monotypic	Copia	334	0,944	6507	35037755	35038088	35043926	35044262	1.8
Ch10c_26	Ale/Retrofit	-monotypic	Copia	436	0,943	5496	31301446	31301881	31306502	31306942	1.7
Ch10f_09	Ale/Retrofit	-monotypic	Copia	451	0,92	5454	5951395	5951845	5956399	5956849	3.3
Ch11a_33	Ale/Retrofit	-monotypic	Copia	222	0,964	4807	13343543	13343764	13348129	13348350	1.4
Ch11c_09	Ale/Retrofit	-monotypic	Copia	409	0,934	5683	30566635	30567043	30571909	30572318	2.7
Ch11a_12	Ale/Retrofit	-monotypic	Copia	369	0,962	5417	4070415	4070783	4075464	4075832	1.5
Ch05f_50	Ale/Retrofit	-monotypic	Copia	209	0,925	4585	28995121	28995329	28999493	28999704	2.7
Ch11e_04	Angela/Tork	CopiaCa_15	Copia	492	0,927	6056	6691003	6691494	6696569	6697059	2.9
Ch11e_30	Angela/Tork	CopiaCa_15	Copia	503	0,865	6399	23435800	23436302	23441652	23442199	2.3
Ch01e_41	Angela/Tork	CopiaCa_15	Copia	512	0,922	6421	32821184	32821695	32827095	32827605	3.2
Ch02b_31	Angela/Tork	CopiaCa_15	Copia	502	0,933	6372	26133526	26134027	26139395	26139898	2.5
Ch02d_32	Angela/Tork	CopiaCa_15	Copia	485	0,846	7914	14166272	14166756	14173746	14174186	2.7
Ch06c_01	Angela/Tork	CopiaCa_15	Copia	513	0,951	6548	1147859	1148371	1153894	1154407	1.9
Ch02e_17	Bianca	monotypic	Copia	222	0,938	5785	5899870	5900091	5905432	5905655	2.2
Ch06a_26	Bianca	monotypic	Copia	319	0,807	5690	9431965	9432283	9437362	9437655	5.8
Ch02d_76	GMR/Tork	CopiaCa_04	Copia	733	0,917	5502	32218738	32219470	32223508	32224240	3.6
Ch06b_31	GMR/Tork	CopiaCa_04	Copia	734	0,91	5493	16135306	16136039	16140067	16140799	3.7
Ch06b_32	GMR/Tork	CopiaCa_04	Copia	734	0,923	5505	17486758	17487491	17491528	17492263	3.1
Ch06f_52	GMR/Tork	CopiaCa_04	Copia	735	0,913	5508	30785579	30786313	30790353	30791087	3.8
Ch08a_22	GMR/Tork	CopiaCa_04	Copia	737	0,902	5527	27615579	27616315	27620372	27621106	4.0
Ch08d_01	GMR/Tork	CopiaCa_04	Copia	734	0,917	5473	2336623	2337356	2341361	2342096	3.3
Ch01a_22	GMR/Tork	CopiaCa_04	Copia	732	0,937	5523	9438346	9439077	9443138	9443869	2.5
Ch11a_20	GMR/Tork	CopiaCa_10	Copia	279	0,889	4582	8142692	8142970	8147002	8147274	4.5
Ch11e_16	GMR/Tork	CopiaCa_10	Copia	259	0,942	4552	13539457	13539715	13543751	13544009	2.0
Ch11f_37	GMR/Tork	CopiaCa_10	Copia	322	0,87	4660	20286896	20287217	20291251	20291556	3.0
Ch01a_68	GMR/Tork	CopiaCa_10	Copia	318	0,89	4587	30293141	30293458	30297415	30297728	4.7
Ch05f_03	GMR/Tork	CopiaCa_10	Copia	257	0,949	4580	1027880	1028136	1032203	1032459	2.0
Ch06a_58	GMR/Tork	CopiaCa_10	Copia	205	0,941	4464	20010166	20010370	20014426	20014630	2.4
Ch10f_17	GMR/Tork	CopiaCa_17	Copia	599	0,872	5000	10239765	10240363	10244194	10244765	3.8
Ch11e_39	GMR/Tork	CopiaCa_17	Copia	523	0,924	5116	32450237	32450759	32454835	32455353	2.8
Ch01b_21	GMR/Tork	CopiaCa_23	Copia	624	0,892	5372	8230571	8231194	8235280	8235943	2.1
Ch02e_70	GMR/Tork	CopiaCa_23	Copia	603	0,899	5156	27852088	27852690	27856662	27857244	2.3
Ch10e_03	GMR/Tork	CopiaCa_25	Copia	429	0,928	4998	3389515	3389943	3394086	3394513	3.0
Ch11f_25	GMR/Tork	CopiaCa_25	Copia	412	0,888	4910	13543604	13544015	13548107	13548514	3.9
Ch12a_82	GMR/Tork	CopiaCa_25	Copia	289	0,894	4666	35065563	35065851	35069938	35070229	4.5
Ch04a_40	GMR/Tork	CopiaCa_25	Copia	365	0,929	4812	17937325	17937689	17941774	17942137	3.1
Ch06a_05	GMR/Tork	CopiaCa_25	Copia	270	0,9	269	2958498	2958767	2958767	2958767	3.0

Ch08c_44	GMR/Tork	CopiaCa_25	Copia	271	0,948	4654	29912059	29912329	29916443	29916713	2.1
Ch03b_42	GMR/Tork	CopiaCa_25	Copia	271	0,983	10252	23634952	23635222	23644939	23645203	3.7
Ch10f_53	GMR/Tork	CopiaCa_27	Copia	579	0,905	5234	24401716	24402294	24406402	24406950	1.7
Ch05a_18	GMR/Tork	CopiaCa_27	Copia	542	0,93	5209	8636883	8637424	8641535	8642091	0.1
Ch04a_15	GMR/Tork	CopiaCa_27	Copia	540	0.91	5176	6588421	6588960	6593042	6593597	3.0
Ch06a_38	GMR/Tork	CopiaCa_27	Copia	579	0.919	5123	13057266	13057844	13061822	13062389	2.4
Ch07f_12	GMR/Tork	CopiaCa_27	Copia	596	0,896	5252	6134356	6134951	6139036	6139607	2.7
Ch10a_22	GMR/Tork	CopiaCa_35	Copia	343	0,945	5041	9186650	9186992	9191348	9191691	2.2
Ch12e_29	GMR/Tork	CopiaCa_35	Copia	345	0,936	4831	29866985	29867329	29871472	29871816	2.6
Ch06a_20	GMR/Tork	CopiaCa_35	Copia	342	0.842	4934	8096854	8097195	8101480	8101788	2.7
Ch06f_50	GMR/Tork	CopiaCa_35	Copia	344	0.927	5001	29770375	29770718	29775033	29775376	3.0
Ch12a_39	GMR/Tork	CopiaCa_46	Copia	279	0,932	4888	13162530	13162808	13167141	13167418	2.7
Ch03g_46	GMR/Tork	CopiaCa_46	Copia	283	0,958	4957	21699148	21699430	21703824	21704104	1.4
Ch01a_39	Oryco/Ivana	CopiaCa_06	Copia	311	0.994	4707	17628950	17629260	17633347	17633657	0.2
Ch01a_84	Oryco/Ivana	CopiaCa_06	Copia	313	1	4711	36092674	36092986	36097073	36097385	0.0
Ch04a_48	Oryco/Ivana	CopiaCa_06	Copia	311	1	4707	21630531	21630841	21634928	21635238	0.0
Ch06a_27	Oryco/Ivana	CopiaCa_06	Copia	289	0.997	4663	9587647	9587935	9592022	9592310	0.1
Ch06b_17	Oryco/Ivana	CopiaCa_06	Copia	311	1	4707	8076258	8076568	8080655	8080965	0.0
Ch09a_18	Oryco/Ivana	CopiaCa_06	Copia	311	0,971	4803	4665945	4666255	4670435	4670748	0.8
Ch09a_29	Oryco/Ivana	CopiaCa_06	Copia	309	0,99	4703	8943298	8943606	8947693	8948001	0.4
Ch10a_08	Oryco/Ivana	CopiaCa_06	Copia	314	0,981	4711	2643459	2643772	2647858	2648170	0.6
Ch11a_49	Oryco/Ivana	CopiaCa_06	Copia	311	0,994	4703	22751797	22752107	22756190	22756500	0.2
Ch07f_14	Oryco/Ivana	CopiaCa_14	Copia	393	0,886	4785	7132254	7132646	7136634	7137038	3.5
Ch09f_66	Oryco/Ivana	CopiaCa_14	Copia	370	0,943	4899	36608314	36608683	36612843	36613213	2.2
Ch01d_03	Oryco/Ivana	CopiaCa_14	Copia	401	0,953	5003	2124245	2124645	2128846	2129248	1.6
Ch02b_30	Oryco/Ivana	CopiaCa_14	Copia	402	0.94	4730	24602628	24603029	24606958	24607358	2.3
Ch02e_52	Oryco/Ivana	CopiaCa_14	Copia	331	0.937	5553	20139066	20139396	20144291	20144619	2.1
Ch03a_29	Oryco/Ivana	CopiaCa_14	Copia	409	0,912	6081	15300891	15301299	15306569	15306971	3.1
Ch01h_03	Oryco/Ivana	CopiaCa_24	Copia	272	0,885	4574	2999049	2999320	3003329	3003623	1.3
Ch02a_38	Oryco/Ivana	CopiaCa_24	Copia	340	0.953	4196	28356672	28357011	28360528	28360868	1.9
Ch03g_51	Oryco/Ivana	CopiaCa_24	Copia	285	0,989	4595	22653601	22653885	22657911	22658195	0.4
Ch04a_27	Oryco/Ivana	CopiaCa_28	Copia	325	0.832	4767	12017246	12017570	12021638	12022013	1.5
Ch04a_42	Oryco/Ivana	CopiaCa_28	Copia	323	0.935	4737	17990012	17990334	17994430	17994749	2.5
Ch07a_19	Oryco/Ivana	CopiaCa_28	Copia	320	0,941	4663	12543195	12543514	12547538	12547857	2.3
Ch11f_41	Oryco/Ivana	CopiaCa_28	Copia	323	0,941	4649	22107961	22108283	22112289	22112610	2.3
Ch06a_08	Oryco/Ivana	CopiaCa_33	Copia	129	0.852	4368	3455011	3455139	3459252	3459379	3.7
Ch08d_29	Oryco/Ivana	CopiaCa_33	Copia	241	0,913	4403	20840073	20840313	20844238	20844476	3.3

Ch08d_57	Oryco/Ivana	CopiaCa_33	Copia	241	0,954	4487	30223952	30224192	30228199	30228439	1.8
Ch09b_23	Oryco/Ivana	CopiaCa_33	Copia	241	0,946	4386	17216673	17216913	17220818	17221059	2.0
Ch01d_24	Oryco/Ivana	monotypic	Copia	279	0,824	4657	28854899	28855177	28859314	28859556	2.3
Ch01f_34	Oryco/Ivana	-monotypic	Copia	289	0,938	4786	32266537	32266825	32271035	32271323	2.7
Ch05a_52	Oryco/Ivana	-monotypic	Copia	289	0,99	5195	31416409	31416697	31421315	31421603	0.0
Ch10a_30	Sire/Maximus	CopiaCa_03	Copia	869	0,934	9462	13347296	13348164	13355890	13356758	2.7
Ch12e_02	Sire/Maximus	CopiaCa_03	Copia	879	0,922	9419	4264767	4265645	4273300	4274186	2.9
Ch01a_15	Sire/Maximus	CopiaCa_03	Copia	858	0,95	9426	7913810	7914667	7922382	7923236	1.9
Ch01a_16	Sire/Maximus	CopiaCa_03	Copia	566	0,933	7732	7973482	7974047	7980656	7981214	2.3
Ch01a_64	Sire/Maximus	CopiaCa_03	Copia	927	0,871	9389	28824422	28825348	28832941	28833811	3.1
Ch01a_73	Sire/Maximus	CopiaCa_03	Copia	903	0,938	10248	32149211	32150113	32158556	32159459	2.5
Ch01b_43	Sire/Maximus	CopiaCa_03	Copia	928	0,919	9527	19973371	19974298	19981972	19982898	3.3
Ch02e_50	Sire/Maximus	CopiaCa_03	Copia	797	0,896	9194	20069355	20070151	20077734	20078549	3.3
Ch03d_25	Sire/Maximus	CopiaCa_03	Copia	870	0,907	9309	29719621	29720490	29728088	29728929	2.7
Ch03g_62	Sire/Maximus	CopiaCa_03	Copia	886	0,948	9422	28048122	28049007	28056659	28057543	2.0
Ch04b_48	Sire/Maximus	CopiaCa_03	Copia	867	0,956	9432	33145118	33145984	33153683	33154550	1.7
Ch04d_16	Sire/Maximus	CopiaCa_03	Copia	891	0,928	9293	22520066	22520956	22528467	22529359	2.9
Ch06a_50	Sire/Maximus	CopiaCa_03	Copia	855	0,959	9398	17153340	17154194	17161883	17162738	1.6
Ch06a_86	Sire/Maximus	CopiaCa_03	Copia	878	0,928	9206	29694146	29695023	29702465	29703352	2.2
Ch06e_17	Sire/Maximus	CopiaCa_03	Copia	895	0,913	9614	17188024	17188918	17196720	17197638	2.5
Ch06f_14	Sire/Maximus	CopiaCa_03	Copia	887	0,905	9416	5422297	5423183	5430829	5431713	3.9
Ch06f_22	Sire/Maximus	CopiaCa_03	Copia	859	0,923	10280	8469130	8469988	8478555	8479410	3.0
Ch06f_49	Sire/Maximus	CopiaCa_03	Copia	906	0,939	11753	29693920	29694825	29704768	29705673	2.5
Ch08a_05	Sire/Maximus	CopiaCa_03	Copia	920	0,893	8746	4702145	4703064	4709951	4710891	2.8
Ch08d_56	Sire/Maximus	CopiaCa_03	Copia	859	0,958	9402	30177524	30178382	30186068	30186926	1.7
Ch09a_43	Sire/Maximus	CopiaCa_03	Copia	908	0,927	9422	20348219	20349126	20356734	20357641	3.0
Ch09b_27	Sire/Maximus	CopiaCa_03	Copia	867	0,961	9427	21701420	21702286	21709980	21710847	1.5
Ch09b_37	Sire/Maximus	CopiaCa_03	Copia	890	0,924	9361	30761703	30762592	30770174	30771064	3.2
Ch10a_17	Sire/Maximus	CopiaCa_03	Copia	851	0,961	9283	7813691	7814541	7822126	7822974	1.5
Ch01e_28	Tar/Tork	CopiaCa_07	Copia	630	0,929	5215	18616990	18617619	18621575	18622205	3.0
Ch03g_34	Tar/Tork	CopiaCa_07	Copia	600	0,96	5703	18278372	18278971	18283477	18284074	1.5
Ch04e_29	Tar/Tork	CopiaCa_07	Copia	509	0,931	5533	28758017	28758525	28763043	28763550	2.8
Ch04f_18	Tar/Tork	CopiaCa_07	Copia	593	0,87	5693	16574594	16575186	16579731	16580287	2.9
Ch11e_05	Tar/Tork	CopiaCa_07	Copia	549	0,889	5614	7316499	7317047	7321565	7322113	4.2
Ch01a_54	Tar/Tork	CopiaCa_07	Copia	330	0,909	5327	23824765	23825094	23829776	23830092	2.2
Ch01a_67	Tar/Tork	CopiaCa_09	Copia	635	0,923	6088	29543328	29543962	29548787	29549416	2.8
Ch01c_26	Tar/Tork	CopiaCa_09	Copia	1024	0,902	6820	18965075	18966098	18970876	18971895	3.7
Ch01e_20	Tar/Tork	CopiaCa_09	Copia	548	0,942	6311	14631633	14632180	14637397	14637944	2.5

Ch01e_31	Tar/Tork	CopiaCa_09	Copia	1115	0,924	6896	21045036	21046150	21050814	21051932	2.5
Ch01h_08	Tar/Tork	CopiaCa_09	Copia	620	0,873	6151	5678399	5679018	5683919	5684550	4.3
Ch02d_02	Tar/Tork	CopiaCa_09	Copia	639	0,928	6126	987982	988620	993469	994108	2.8
Ch03a_15	Tar/Tork	CopiaCa_09	Copia	1075	0,909	6981	7348281	7349355	7354196	7355261	3.2
Ch03c_43	Tar/Tork	CopiaCa_09	Copia	1608	0,858	6881	28536386	28537453	28542264	28543266	3.9
Ch03g_32	Tar/Tork	CopiaCa_09	Copia	638	0,94	6082	16160747	16161384	16166192	16166828	2.4
Ch04a_22	Tar/Tork	CopiaCa_09	Copia	222	0,932	5724	10744304	10744525	10749808	10750028	2.8
Ch04f_31	Tar/Tork	CopiaCa_09	Copia	646	0,91	6029	22076905	22077550	22082299	22082934	3.8
Ch05a_08	Tar/Tork	CopiaCa_09	Copia	726	0,905	6560	4503091	4503816	4508922	4509650	1.8
Ch05b_11	Tar/Tork	CopiaCa_09	Copia	399	0,852	6011	9823716	9824114	9829349	9829726	0.0
Ch05e_27	Tar/Tork	CopiaCa_09	Copia	631	0,921	6167	32953189	32953819	32958729	32959355	3.1
Ch06a_60	Tar/Tork	CopiaCa_09	Copia	653	0,914	6085	20302649	20303301	20308100	20308734	2.5
Ch06b_09	Tar/Tork	CopiaCa_09	Copia	1066	0,855	6897	3415476	3416541	3421368	3422373	4.4
Ch06b_21	Tar/Tork	CopiaCa_09	Copia	1058	0,912	7360	10028966	10030023	10035285	10036326	3.0
Ch06e_32	Tar/Tork	CopiaCa_09	Copia	1023	0,892	6816	25461075	25462097	25466913	25467891	2.8
Ch06f_51	Tar/Tork	CopiaCa_09	Copia	634	0,951	6155	30177485	30178118	30183009	30183640	1.8
Ch07e_20	Tar/Tork	CopiaCa_09	Copia	605	0,905	6109	21496936	21497540	21502435	21503044	3.5
Ch08d_46	Tar/Tork	CopiaCa_09	Copia	289	0,837	6352	26679509	26679797	26685542	26685861	4.1
Ch09f_09	Tar/Tork	CopiaCa_09	Copia	639	0,945	5871	4778673	4779311	4783907	4784544	2.2
Ch10d_36	Tar/Tork	CopiaCa_09	Copia	633	0,942	6368	35451331	35451963	35457066	35457699	2.3
Ch12a_29	Tar/Tork	CopiaCa_09	Copia	990	0,856	8276	7606628	7607617	7613825	7614904	2.7
Ch01a_38	Tar/Tork	CopiaCa_09	Copia	982	0,858	7038	17386132	17387113	17392145	17393170	3.5
Ch01b_34	Tar/Tork	CopiaCa_11	Copia	475	0,952	9717	13583934	13584408	13593177	13593651	1.8
Ch03a_47	Tar/Tork	CopiaCa_11	Copia	574	0,927	5766	20551116	20551689	20556321	20556881	2.3
Ch04b_32	Tar/Tork	CopiaCa_11	Copia	607	0,965	5833	21838846	21839452	21844079	21844679	1.0
Ch06a_35	Tar/Tork	CopiaCa_11	Copia	583	0,905	5789	12168130	12168712	12173318	12173919	2.6
Ch06f_39	Tar/Tork	CopiaCa_11	Copia	558	0,953	5723	23524683	23525240	23529849	23530406	1.9
Ch09e_39	Tar/Tork	CopiaCa_11	Copia	601	0,963	5827	22037423	22038023	22042649	22043250	1.4
Ch10c_27	Tar/Tork	CopiaCa_11	Copia	566	0,919	5751	32083078	32083643	32088266	32088829	3.4
Ch01c_01	Tar/Tork	CopiaCa_12	Copia	622	0,944	5518	806651	807272	811547	812169	2.2
Ch04b_34	Tar/Tork	CopiaCa_12	Copia	593	0,954	5703	22913713	22914305	22918824	22919416	1.9
Ch06b_35	Tar/Tork	CopiaCa_12	Copia	586	0,876	5653	20467933	20468518	20472999	20473586	3.0
Ch09d_02	Tar/Tork	CopiaCa_12	Copia	589	0,912	5670	1501440	1502028	1506551	1507110	0.0
Ch11a_36	Tar/Tork	CopiaCa_12	Copia	720	0,854	6477	14327959	14328678	14333658	14334436	2.8
Ch12b_19	Tar/Tork	CopiaCa_12	Copia	482	0,898	5422	14858689	14859170	14863613	14864111	3.4
Ch04a_04	Tar/Tork	CopiaCa_30	Copia	215	0,839	5312	2535223	2535437	2540344	2540535	1.3
Ch04a_79	Tar/Tork	CopiaCa_30	Copia	736	0,913	5989	36305598	36306333	36310857	36311587	3.1
Ch05a_61	Tar/Tork	CopiaCa_30	Copia	772	0,922	6177	34962727	34963498	34968134	34968903	0.2

Ch09b_08	Tar/Tork	CopiaCa_30	Copia	506	0,911	5805	8214018	8214523	8219322	8219823	3.4
Ch11f_51	Tar/Tork	CopiaCa_30	Copia	388	0,856	8801	26873959	26874346	26882389	26882760	4.3
Ch12d_26	Tar/Tork	CopiaCa_30	Copia	776	0,915	6097	28677921	28678696	28683249	28684018	3.2
Ch01a_24	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	10484765	10486254	10494881	10496370	0.0
Ch01a_25	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	10691117	10692606	10701233	10702722	0.1
Ch01a_57	Athila	GypsyCa_16	Gypsy	1504	0,989	12676	24879213	24880716	24890400	24891889	0.1
Ch01a_74	Athila	GypsyCa_16	Gypsy	1497	0,995	12669	32562068	32563564	32573248	32574737	0.0
Ch01a_85	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	36109177	36110666	36119293	36120782	0.1
Ch01b_05	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	2359970	2361459	2370086	2371575	0.1
Ch01b_07	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	4159027	4160516	4169143	4170632	0.1
Ch01b_16	Athila	GypsyCa_16	Gypsy	1499	0,986	12671	6754620	6756118	6765802	6767291	0.2
Ch01b_26	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	10136277	10137766	10146393	10147882	0.1
Ch01b_30	Athila	GypsyCa_16	Gypsy	1490	0,995	11605	12093405	12094894	12103521	12105010	0.2
Ch01b_45	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	20361701	20363190	20371817	20373306	0.1
Ch01b_54	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	27433861	27435350	27443977	27445466	0.1
Ch01c_07	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	5400357	5401846	5411530	5413019	0.1
Ch01c_09	Athila	GypsyCa_16	Gypsy	1491	0,997	12663	5760038	5761528	5771212	5772701	0.1
Ch01c_10	Athila	GypsyCa_16	Gypsy	1490	0,996	11605	7266319	7267808	7276435	7277924	0.2
Ch01c_11	Athila	GypsyCa_16	Gypsy	1491	0,993	11609	7613294	7614784	7623411	7624903	0.2
Ch01c_12	Athila	GypsyCa_16	Gypsy	1504	0,989	12676	9801220	9802723	9812407	9813896	0.1
Ch01c_13	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	9910731	9912220	9921904	9923393	0.0
Ch01c_14	Athila	GypsyCa_16	Gypsy	1492	0,997	12664	9941999	9943490	9953174	9954663	0.1
Ch01c_16	Athila	GypsyCa_16	Gypsy	1497	0,993	12669	10940270	10941766	10951450	10952939	0.1
Ch01c_22	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	14982354	14983843	14993527	14995016	0.1
Ch01c_23	Athila	GypsyCa_16	Gypsy	1473	0,983	11591	15112406	15113878	15122505	15123997	0.2
Ch01e_15	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	12705317	12706806	12716490	12717979	0.1
Ch01g_21	Athila	GypsyCa_16	Gypsy	1490	0,986	11618	20003124	20004613	20013240	20014742	0.2
Ch01g_22	Athila	GypsyCa_16	Gypsy	1497	0,995	12669	20297911	20299407	20309091	20310580	0.0
Ch01g_29	Athila	GypsyCa_16	Gypsy	1494	0,994	12667	31893042	31894535	31904219	31905709	0.1
Ch01g_30	Athila	GypsyCa_16	Gypsy	1497	0,993	12669	32513719	32515215	32524899	32526388	0.1
Ch01g_31	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	32715120	32716609	32725236	32726725	0.1
Ch01g_32	Athila	GypsyCa_16	Gypsy	1490	0,995	12665	32749016	32750505	32760189	32761681	0.1
Ch01g_33	Athila	GypsyCa_16	Gypsy	1494	0,995	11609	33349680	33351173	33359800	33361289	0.1
Ch01g_34	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	33879136	33880625	33890309	33891798	0.1
Ch01g_39	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	35281996	35283485	35292112	35293601	0.1
Ch01g_41	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	36314460	36315949	36325633	36327122	0.1
Ch01h_06	Athila	GypsyCa_16	Gypsy	1493	0,995	12665	3813674	3815166	3824850	3826339	0.1
Ch01h_07	Athila	GypsyCa_16	Gypsy	1490	0,996	11605	5611537	5613026	5621653	5623142	0.2

Ch01h_09	Athila	GypsyCa_16	Gypsy	1494	0,994	12666	6220566	6222059	6231743	6233232	0.1
Ch01h_16	Athila	GypsyCa_16	Gypsy	1497	0,994	12669	8742991	8744487	8754171	8755660	0.0
Ch08a_08	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	6175745	6177234	6185861	6187350	0.0
Ch08a_11	Athila	GypsyCa_16	Gypsy	1504	0,989	12676	9026315	9027818	9037502	9038991	0.1
Ch08a_14	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	15029884	15031373	15040000	15041489	0.1
Ch08a_16	Athila	GypsyCa_16	Gypsy	1499	0,991	11614	22318934	22320432	22329059	22330548	0.1
Ch08a_17	Athila	GypsyCa_16	Gypsy	1503	0,985	11616	22596410	22597912	22606539	22608026	0.2
Ch08b_01	Athila	GypsyCa_16	Gypsy	1502	0,991	12674	152442	153943	163627	165116	0.1
Ch08b_04	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	3136878	3138367	3146994	3148483	0.0
Ch08b_05	Athila	GypsyCa_16	Gypsy	1496	0,995	12668	5255668	5257163	5266847	5268336	0.0
Ch08b_06	Athila	GypsyCa_16	Gypsy	1490	0,987	12681	6494895	6496384	6506068	6507576	0.1
Ch08b_13	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	9859407	9860896	9869523	9871012	0.1
Ch08b_14	Athila	GypsyCa_16	Gypsy	1490	0,995	12666	12522172	12523661	12533345	12534838	0.1
Ch08b_15	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	14228930	14230419	14239046	14240535	0.0
Ch08b_17	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	17424675	17426164	17435848	17437337	0.0
Ch08b_27	Athila	GypsyCa_16	Gypsy	1490	1	11605	29377834	29379323	29387950	29389439	0.0
Ch08c_10	Athila	GypsyCa_16	Gypsy	1500	0,991	12672	7768591	7770090	7779774	7781263	0.1
Ch08c_11	Athila	GypsyCa_16	Gypsy	1490	1	12662	8962780	8964269	8973953	8975442	0.0
Ch08c_15	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	11934700	11936189	11944816	11946305	0.1
Ch08c_18	Athila	GypsyCa_16	Gypsy	1494	0,993	12666	12725871	12727364	12737048	12738537	0.2
Ch08c_20	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	13822315	13823804	13833488	13834977	0.1
Ch08c_22	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	17257718	17259207	17267834	17269323	0.1
Ch08c_25	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	18298546	18300035	18308662	18310151	0.1
Ch08c_32	Athila	GypsyCa_16	Gypsy	1490	0,993	12669	23575800	23577289	23586973	23588469	0.1
Ch08c_36	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	25965244	25966733	25975360	25976849	0.1
Ch08c_40	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	28234103	28235592	28244219	28245708	0.0
Ch08c_41	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	28263173	28264662	28273289	28274778	0.0
Ch08c_45	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	30417519	30419008	30427635	30429124	0.1
Ch08c_50	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	34686300	34687789	34697473	34698962	0.1
Ch08c_52	Athila	GypsyCa_16	Gypsy	1490	0,995	11606	35171840	35173329	35181956	35183446	0.2
Ch08c_54	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	36569388	36570877	36579504	36580993	0.0
Ch08c_58	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	38342113	38343602	38352229	38353718	0.1
Ch08d_04	Athila	GypsyCa_16	Gypsy	1490	0,996	11605	3000938	3002427	3011054	3012543	3.5
Ch08d_05	Athila	GypsyCa_16	Gypsy	1493	0,997	12665	3561542	3563034	3572718	3574207	0.0
Ch08d_62	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	32336051	32337540	32346167	32347656	0.0
Ch08d_63	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	32530483	32531972	32541656	32543145	0.1
Ch08d_69	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	33859289	33860778	33870462	33871951	0.0
Ch09a_10	Athila	GypsyCa_16	Gypsy	1490	0,996	11605	1850515	1852004	1860631	1862120	0.2

Ch09a_11	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	1952527	1954016	1963700	1965189	0.0
Ch09a_12	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	2675561	2677050	2685677	2687166	0.0
Ch09a_17	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	4488630	4490119	4498746	4500235	0.0
Ch09a_47	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	21478969	21480458	21490142	21491631	0.1
Ch09a_60	Athila	GypsyCa_16	Gypsy	1479	0,989	12651	28171133	28172611	28182295	28183784	0.1
Ch09a_63	Athila	GypsyCa_16	Gypsy	1496	0,994	12668	34246852	34248347	34258031	34259520	0.1
Ch09a_65	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	36187247	36188736	36197363	36198852	0.1
Ch09a_66	Athila	GypsyCa_16	Gypsy	1491	0,992	11606	36320815	36322305	36330932	36332421	0.2
Ch09a_68	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	38074178	38075667	38085351	38086840	0.0
Ch09b_07	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	3866564	3868053	3876680	3878169	0.0
Ch09b_09	Athila	GypsyCa_16	Gypsy	1490	0,995	11607	9480136	9481625	9490252	9491743	0.2
Ch09b_14	Athila	GypsyCa_16	Gypsy	1497	0,993	12669	10417927	10419423	10429107	10430596	0.1
Ch09b_15	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	11089327	11090816	11099443	11100932	0.0
Ch09b_16	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	12208255	12209744	12218371	12219860	0.1
Ch09b_20	Athila	GypsyCa_16	Gypsy	1490	0,993	12669	14184853	14186342	14196026	14197522	0.1
Ch09b_21	Athila	GypsyCa_16	Gypsy	1490	0,996	12662	16122441	16123930	16133614	16135103	0.0
Ch09b_22	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	16659504	16660993	16670677	16672166	0.1
Ch09b_24	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	18095530	18097019	18105646	18107135	0.1
Ch09b_28	Athila	GypsyCa_16	Gypsy	1493	0,995	12665	22044591	22046083	22055767	22057256	0.1
Ch09b_32	Athila	GypsyCa_16	Gypsy	1490	0,992	12670	25805400	25806889	25816573	25818070	0.1
Ch09b_33	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	25933809	25935298	25943925	25945414	0.1
Ch09b_34	Athila	GypsyCa_16	Gypsy	1490	0,993	11613	28534377	28535866	28544493	28545990	0.1
Ch09b_35	Athila	GypsyCa_16	Gypsy	1484	0,995	11599	29017119	29018602	29027229	29028718	0.0
Ch09b_38	Athila	GypsyCa_16	Gypsy	1493	0,993	12665	31434965	31436457	31446141	31447630	0.2
Ch09c_04	Athila	GypsyCa_16	Gypsy	1490	0,992	12873	4230317	4231806	4241694	4243190	3.5
Ch09c_06	Athila	GypsyCa_16	Gypsy	1490	0,993	11610	9234857	9236346	9244973	9246467	0.1
Ch09c_09	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	10886240	10887729	10897413	10898902	0.2
Ch09c_10	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	12193559	12195048	12204732	12206221	0.1
Ch09c_12	Athila	GypsyCa_16	Gypsy	1490	0,999	13911	13476521	13478010	13488943	13490432	0.0
Ch09c_18	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	18271574	18273063	18281690	18283179	0.0
Ch09c_20	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	20039134	20040623	20049250	20050739	0.1
Ch09c_21	Athila	GypsyCa_16	Gypsy	1493	0,991	12665	20378412	20379904	20389588	20391077	0.1
Ch09c_22	Athila	GypsyCa_16	Gypsy	1490	0,996	11605	21510988	21512477	21521104	21522593	0.2
Ch09c_28	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	24857813	24859302	24867929	24869418	0.1
Ch09c_29	Athila	GypsyCa_16	Gypsy	1490	0,996	12665	28408603	28410092	28419776	28421268	0.1
Ch09c_31	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	30275190	30276679	30285306	30286795	3.6
Ch09c_32	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	30689541	30691030	30699657	30701146	0.0
Ch09d_03	Athila	GypsyCa_16	Gypsy	1504	0,99	12676	4951716	4953219	4962903	4964392	1.7

Ch09d_06	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	10678763	10680252	10688879	10690368	4.8
Ch09d_07	Athila	GypsyCa_16	Gypsy	1491	0,998	11918	11522599	11524089	11533028	11534517	0.1
Ch09d_16	Athila	GypsyCa_16	Gypsy	1490	0,994	11608	21812083	21813572	21822199	21823691	0.0
Ch09d_17	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	22646753	22648242	22656869	22658358	0.2
Ch09d_20	Athila	GypsyCa_16	Gypsy	1497	0,993	12669	24958230	24959726	24969410	24970899	0.1
Ch09d_23	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	27526832	27528321	27536948	27538437	4.0
Ch09d_26	Athila	GypsyCa_16	Gypsy	1494	0,995	12666	31278721	31280214	31289898	31291387	0.1
Ch09d_27	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	31432642	31434131	31442758	31444247	0.1
Ch09d_32	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	37812492	37813981	37822608	37824097	0.1
Ch09e_01	Athila	GypsyCa_16	Gypsy	1503	0,991	12676	594921	596423	606107	607597	0.1
Ch09e_05	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	4295036	4296525	4306209	4307698	0.1
Ch09e_09	Athila	GypsyCa_16	Gypsy	1493	0,997	12665	6297558	6299050	6308734	6310223	0.7
Ch09e_11	Athila	GypsyCa_16	Gypsy	1487	0,997	11602	7610586	7612072	7620702	7622188	0.1
Ch09e_13	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	9279056	9280545	9289172	9290661	0.1
Ch09e_18	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	13360061	13361550	13370177	13371667	1.3
Ch09e_19	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	13379731	13381220	13390904	13392393	0.1
Ch09e_20	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	14513773	14515262	14523889	14525378	0.1
Ch09e_21	Athila	GypsyCa_16	Gypsy	1485	0,995	12657	15002432	15003916	15013600	15015089	0.1
Ch09e_30	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	19093958	19095447	19105131	19106620	0.0
Ch09e_36	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	19711849	19713338	19723022	19724511	0.1
Ch09e_37	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	20528105	20529594	20538221	20539710	0.0
Ch09e_40	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	22506613	22508102	22516729	22518218	0.1
Ch09e_43	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	24468379	24469868	24478495	24479984	0.1
Ch09e_50	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	30469388	30470877	30480561	30482050	0.0
Ch09e_55	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	34061668	34063157	34071784	34073273	0.0
Ch09e_57	Athila	GypsyCa_16	Gypsy	1548	0,994	11654	34308943	34310490	34319059	34320597	0.1
Ch09e_59	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	35348981	35350470	35359097	35360586	0.0
Ch09e_61	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	36113590	36115079	36123706	36125195	0.1
Ch09e_62	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	36412510	36413999	36422626	36424115	0.0
Ch09e_67	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	38760532	38762021	38770648	38772137	0.0
Ch09e_68	Athila	GypsyCa_16	Gypsy	1482	0,989	11597	38950711	38952192	38960819	38962308	0.2
Ch09e_69	Athila	GypsyCa_16	Gypsy	1493	0,995	12665	39462804	39464296	39473980	39475469	0.1
Ch09f_01	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	2322161	2323650	2332277	2333766	0.0
Ch09f_04	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	2644948	2646437	2656121	2657610	0.0
Ch09f_07	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	3943713	3945202	3954886	3956375	0.0
Ch09f_08	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	4003516	4005005	4013632	4015121	0.1
Ch09f_13	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	6017384	6018873	6027500	6028989	0.0
Ch09f_17	Athila	GypsyCa_16	Gypsy	1494	0,995	12666	6940702	6942195	6951879	6953368	0.1

Ch09f_18	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	7880429	7881918	7890545	7892034	0.1
Ch09f_20	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	9350639	9352128	9360755	9362244	0.1
Ch09f_22	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	10411920	10413409	10423093	10424582	0.1
Ch09f_23	Athila	GypsyCa_16	Gypsy	1490	1	12662	11508750	11510239	11519923	11521412	0.0
Ch09f_36	Athila	GypsyCa_16	Gypsy	1493	0,997	13495	21036872	21038364	21048878	21050367	0.0
Ch09f_44	Athila	GypsyCa_16	Gypsy	1490	0,996	12662	24476876	24478365	24488049	24489538	0.2
Ch09f_47	Athila	GypsyCa_16	Gypsy	1494	0,995	12666	27899057	27900550	27910234	27911723	0.1
Ch09f_48	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	27965487	27966976	27975603	27977092	0.1
Ch09f_49	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	28616962	28618451	28627078	28628567	0.1
Ch09f_52	Athila	GypsyCa_16	Gypsy	1494	0,994	12666	30351350	30352843	30362527	30364016	0.2
Ch09f_53	Athila	GypsyCa_16	Gypsy	1490	0,993	11610	30659108	30660597	30669224	30670718	0.2
Ch09f_76	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	42167394	42168883	42177510	42178999	0.1
Ch10a_07	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	1773621	1775110	1783737	1785226	0.1
Ch02a_12	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	5333233	5334722	5344406	5345895	0.0
Ch02a_14	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	6066706	6068195	6077879	6079368	0.2
Ch02a_19	Athila	GypsyCa_16	Gypsy	1493	0,996	12665	14124654	14126146	14135830	14137319	0.1
Ch02a_23	Athila	GypsyCa_16	Gypsy	539	0,976	12337	16040612	16041150	16052413	16052949	0.6
Ch02a_25	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	16540553	16542042	16550669	16552158	0.0
Ch02a_30	Athila	GypsyCa_16	Gypsy	1491	0,996	12663	19135017	19136507	19146194	19147680	0.1
Ch02a_33	Athila	GypsyCa_16	Gypsy	1490	0,99	11613	22113832	22115321	22123948	22125445	0.2
Ch02a_36	Athila	GypsyCa_16	Gypsy	1493	0,996	12665	25940286	25941778	25951462	25952951	0.1
Ch02a_37	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	27285646	27287135	27295762	27297251	0.1
Ch02a_39	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	30003226	30004715	30013342	30014831	0.0
Ch02a_41	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	30124075	30125564	30134191	30135680	0.1
Ch02a_44	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	31226552	31228041	31236668	31238157	0.1
Ch02b_01	Athila	GypsyCa_16	Gypsy	1493	0,995	12665	235476	236968	246652	248141	0.1
Ch02b_02	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	4172863	4174352	4182979	4184468	0.1
Ch02b_04	Athila	GypsyCa_16	Gypsy	1490	0,996	11605	4444358	4445847	4454474	4455963	0.2
Ch02b_05	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	4925949	4927438	4936065	4937554	0.1
Ch02b_13	Athila	GypsyCa_16	Gypsy	1490	0,991	12669	11714307	11715796	11725480	11726976	1.5
Ch02b_18	Athila	GypsyCa_16	Gypsy	1492	0,996	12664	14949690	14951181	14960865	14962354	0.1
Ch02b_22	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	18412929	18414418	18423045	18424534	0.1
Ch02b_32	Athila	GypsyCa_16	Gypsy	1491	0,996	12663	30007459	30008949	30018633	30020122	0.1
Ch02b_34	Athila	GypsyCa_16	Gypsy	738	0,967	3275	30304727	30305464	30307266	30308002	0.2
Ch02c_02	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	1352174	1353663	1362290	1363779	0.1
Ch02c_03	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	1803707	1805196	1813823	1815312	0.1
Ch02c_04	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	1928291	1929780	1938407	1939896	0.1
Ch02c_05	Athila	GypsyCa_16	Gypsy	647	0,997	10762	2816725	2817371	2826841	2827487	0.1

Ch02c_06	Athila	GypsyCa_16	Gypsy	1493	0.993	12665	3008283	3009775	3019459	3020948	0.2
Ch02c_07	Athila	GypsyCa_16	Gypsy	1490	0.998	12662	3045950	3047439	3057123	3058612	0.1
Ch02c_08	Athila	GypsyCa_16	Gypsy	1490	0.997	12662	4932093	4933582	4943266	4944755	0.1
Ch02c_09	Athila	GypsyCa_16	Gypsy	1490	0.994	12666	4955908	4957397	4967081	4968574	0.1
Ch02c_17	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	9052132	9053621	9062248	9063737	0.1
Ch02c_18	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	10129199	10130688	10139315	10140804	0.1
Ch02c_19	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	11249146	11250635	11259262	11260751	0.1
Ch02c_24	Athila	GypsyCa_16	Gypsy	1490	0.99	12676	13108406	13109895	13119579	13121082	0.0
Ch02c_25	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	13919576	13921065	13929692	13931181	0.1
Ch02c_26	Athila	GypsyCa_16	Gypsy	1490	0.999	12662	13973792	13975281	13984965	13986454	0.0
Ch02c_28	Athila	GypsyCa_16	Gypsy	1490	0.998	12662	14766814	14768303	14777987	14779476	0.1
Ch02c_29	Athila	GypsyCa_16	Gypsy	1490	0.999	11605	14889245	14890734	14899361	14900850	0.0
Ch02c_30	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	15568964	15570453	15579080	15580569	0.1
Ch02c_31	Athila	GypsyCa_16	Gypsy	1490	0.998	12663	16315830	16317319	16327003	16328493	0.0
Ch02c_37	Athila	GypsyCa_16	Gypsy	1490	0.999	12662	21348131	21349620	21359304	21360793	0.0
Ch02c_38	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	21520263	21521752	21530379	21531868	0.1
Ch02c_39	Athila	GypsyCa_16	Gypsy	1494	0.995	12666	21540194	21541687	21551371	21552860	0.1
Ch02c_46	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	24409262	24410751	24419378	24420867	0.1
Ch02c_52	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	29074603	29076092	29084719	29086208	0.1
Ch02d_01	Athila	GypsyCa_16	Gypsy	1502	0.991	12675	348817	350318	360002	361492	0.2
Ch02d_03	Athila	GypsyCa_16	Gypsy	1490	1	12662	1127090	1128579	1138263	1139752	0.0
Ch02d_06	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	2776896	2778385	2787012	2788501	0.1
Ch02d_08	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	4108228	4109717	4118344	4119833	0.1
Ch02d_09	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	4134354	4135843	4144470	4145959	0.1
Ch02d_10	Athila	GypsyCa_16	Gypsy	1490	0.999	11605	5879839	5881328	5889955	5891444	0.0
Ch02d_16	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	8076793	8078282	8086909	8088398	0.1
Ch02d_18	Athila	GypsyCa_16	Gypsy	1497	0.993	12669	8518774	8520270	8529954	8531443	0.1
Ch02d_20	Athila	GypsyCa_16	Gypsy	1497	0.995	12669	8895746	8897242	8906926	8908415	0.0
Ch02d_26	Athila	GypsyCa_16	Gypsy	1490	0.997	12662	12454872	12456361	12466045	12467534	0.1
Ch02d_38	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	16261558	16263047	16271674	16273163	0.1
Ch02d_42	Athila	GypsyCa_16	Gypsy	1489	0.993	11609	17591766	17593254	17601881	17603375	0.2
Ch02d_47	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	20286480	20287969	20296596	20298085	0.1
Ch02d_54	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	23554234	23555723	23564350	23565839	0.1
Ch02d_59	Athila	GypsyCa_16	Gypsy	1490	0.998	12663	24616171	24617660	24627344	24628834	0.0
Ch02d_60	Athila	GypsyCa_16	Gypsy	1490	0.999	12662	24791127	24792616	24802300	24803789	0.0
Ch02d_61	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	24860032	24861521	24870148	24871637	0.1
Ch02e_03	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	574586	576075	584702	586191	0.1
Ch02e_40	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	13263784	13265273	13273900	13275389	0.1

Ch02e_67	Athila	GypsyCa_16	Gypsy	1490	0.994	11608	25104541	25106030	25114657	25116149	0.2
Ch02e_74	Athila	GypsyCa_16	Gypsy	1497	0.993	12669	28483820	28485316	28495000	28496489	0.2
Ch03c_01	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	568043	569532	578159	579648	0.1
Ch03c_04	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	2069376	2070865	2079492	2080981	0.1
Ch03c_07	Athila	GypsyCa_16	Gypsy	1490	0.998	11606	2829982	2831471	2840098	2841587	0.1
Ch03c_08	Athila	GypsyCa_16	Gypsy	1490	0.998	12663	4750114	4751603	4761287	4762776	0.1
Ch03c_09	Athila	GypsyCa_16	Gypsy	1490	0.999	12663	5643919	5645408	5655092	5656581	0.1
Ch03c_16	Athila	GypsyCa_16	Gypsy	1487	0.997	11603	9675407	9676893	9685523	9687009	0.1
Ch03c_18	Athila	GypsyCa_16	Gypsy	1490	0.999	12663	10906301	10907790	10917474	10918963	0.0
Ch03c_20	Athila	GypsyCa_16	Gypsy	1490	0.998	11606	17892711	17894200	17902827	17904316	0.1
Ch03c_21	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	17959439	17960928	17969555	17971044	0.1
Ch03c_24	Athila	GypsyCa_16	Gypsy	1490	0.998	11606	18806069	18807558	18816185	18817674	0.1
Ch03c_28	Athila	GypsyCa_16	Gypsy	1490	0.999	12663	22302249	22303738	22313422	22314911	0.0
Ch03c_44	Athila	GypsyCa_16	Gypsy	1490	0.999	11606	29947087	29948576	29957203	29958692	0.0
Ch03c_45	Athila	GypsyCa_16	Gypsy	1490	0.999	12663	30028268	30029757	30039441	30040930	0.0
Ch03c_46	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	33595776	33597265	33605892	33607381	0.1
Ch03c_47	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	34560151	34561640	34570267	34571756	0.1
Ch03c_53	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	37576232	37577721	37586348	37587837	0.1
Ch03d_02	Athila	GypsyCa_16	Gypsy	1490	0.999	12664	2610163	2611652	2621336	2622826	0.0
Ch03d_03	Athila	GypsyCa_16	Gypsy	1490	0.998	12663	4108840	4110329	4120013	4121502	0.1
Ch03d_04	Athila	GypsyCa_16	Gypsy	1490	0.997	12663	4415774	4417263	4426947	4428436	0.1
Ch03d_10	Athila	GypsyCa_16	Gypsy	1490	0.998	11606	10696541	10698030	10706657	10708146	0.1
Ch03d_14	Athila	GypsyCa_16	Gypsy	1493	0.995	12666	14049306	14050798	14060482	14061971	0.1
Ch03d_16	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	18160835	18162324	18170951	18172440	0.1
Ch03d_18	Athila	GypsyCa_16	Gypsy	1494	0.995	11610	19986651	19988144	19996771	19998260	0.1
Ch03d_21	Athila	GypsyCa_16	Gypsy	1490	0.999	11606	25597911	25599400	25608027	25609516	0.1
Ch03d_22	Athila	GypsyCa_16	Gypsy	1490	0.999	11663	26419478	26420967	26430651	26432140	0.0
Ch03d_23	Athila	GypsyCa_16	Gypsy	1490	0.998	11606	26883153	26884642	26893269	26894758	0.1
Ch03e_01	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	257546	259035	267662	269151	0.1
Ch03e_02	Athila	GypsyCa_16	Gypsy	1490	0.998	11606	437350	438839	447466	448955	0.1
Ch03e_08	Athila	GypsyCa_16	Gypsy	1501	0.988	12674	2662114	2663614	2673298	2674787	0.2
Ch03e_11	Athila	GypsyCa_16	Gypsy	1492	0.996	11608	7447849	7449340	7457967	7459456	0.1
Ch03e_18	Athila	GypsyCa_16	Gypsy	1493	0.994	11690	14460610	14462102	14470729	14472218	0.2
Ch03e_20	Athila	GypsyCa_16	Gypsy	1494	0.994	11609	17753128	17754621	17763248	17764736	0.1
Ch03e_21	Athila	GypsyCa_16	Gypsy	1497	0.993	11613	18637571	18639067	18647694	18649183	0.1
Ch03e_22	Athila	GypsyCa_16	Gypsy	1490	0.997	12663	20226158	20227647	20237331	20238820	0.1
Ch03e_23	Athila	GypsyCa_16	Gypsy	1491	0.998	11606	21445351	21446840	21455467	21456956	0.1
Ch03e_25	Athila	GypsyCa_16	Gypsy	1494	0.994	12667	23825030	23826523	23836207	23837696	0.1

Ch03e_26	Athila	GypsyCa_16	Gypsy	1490	0,998	11606	26276593	26278082	26286709	26288198	0.0
Ch03e_27	Athila	GypsyCa_16	Gypsy	1490	0,998	11606	26936364	26937853	26946480	26947969	0.1
Ch03e_28	Athila	GypsyCa_16	Gypsy	1495	0,995	12668	27202185	27203679	27213363	27214852	0.1
Ch03e_29	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	27861102	27862591	27871218	27872707	0.1
Ch03e_32	Athila	GypsyCa_16	Gypsy	1497	0,993	12670	29477334	29478830	29488514	29490003	0.1
Ch03f_02	Athila	GypsyCa_16	Gypsy	1491	0,995	11607	3484689	3486179	3494806	3496295	0.2
Ch03f_13	Athila	GypsyCa_16	Gypsy	1490	0,999	12663	16926503	16927992	16937676	16939165	0.0
Ch03f_16	Athila	GypsyCa_16	Gypsy	1490	0,998	11606	17586684	17588173	17596800	17598289	0.1
Ch03f_19	Athila	GypsyCa_16	Gypsy	1493	0,994	11609	21404108	21405600	21414227	21415716	0.2
Ch03f_20	Athila	GypsyCa_16	Gypsy	1490	0,999	12663	21500160	21501649	21511333	21512822	0.2
Ch03f_23	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	23439052	23440541	23449168	23450657	1.3
Ch03f_24	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	24430956	24432445	24441072	24442561	0.1
Ch03f_26	Athila	GypsyCa_16	Gypsy	1499	0,998	12672	25318784	25320282	25329966	25331455	0.2
Ch03f_28	Athila	GypsyCa_16	Gypsy	1490	0,993	11609	25575038	25576527	25585154	25586646	0.2
Ch03f_32	Athila	GypsyCa_16	Gypsy	1490	0,998	11606	28088551	28090040	28098667	28100156	0.1
Ch03f_36	Athila	GypsyCa_16	Gypsy	1493	0,996	12665	29634683	29636175	29645859	29647347	0.1
Ch03f_37	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	30870315	30871804	30880431	30881920	0.1
Ch03f_46	Athila	GypsyCa_16	Gypsy	1490	1	12663	36811767	36813256	36822940	36824429	0.0
Ch03g_04	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	2039595	2041084	2049711	2051200	0.1
Ch03g_20	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	10687669	10689158	10697785	10699274	0.1
Ch03g_26	Athila	GypsyCa_16	Gypsy	1490	0,998	11606	15096881	15098370	15106997	15108486	0.1
Ch04a_06	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	3438538	3440027	3448654	3450143	0.1
Ch04a_19	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	8027954	8029443	8038070	8039559	0.1
Ch04a_51	Athila	GypsyCa_16	Gypsy	1490	0,993	11600	22720509	22721998	22730625	22732109	0.2
Ch04a_54	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	25326482	25327971	25336598	25338087	0.0
Ch04a_55	Athila	GypsyCa_16	Gypsy	1497	0,993	12669	25822718	25824214	25833898	25835387	0.1
Ch04a_64	Athila	GypsyCa_16	Gypsy	1491	0,992	12665	32042976	32044466	32054150	32055641	0.3
Ch04a_66	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	33788638	33790127	33798754	33800243	0.1
Ch04a_67	Athila	GypsyCa_16	Gypsy	1490	0,993	20397	33878500	33879989	33897414	33898897	0.2
Ch04a_68	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	34110916	34112405	34121032	34122521	0.0
Ch04a_72	Athila	GypsyCa_16	Gypsy	1490	0,997	12663	35298052	35299541	35309225	35310715	0.1
Ch04a_73	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	35398599	35400088	35408715	35410204	0.0
Ch04a_74	Athila	GypsyCa_16	Gypsy	1497	0,992	12668	35679172	35680668	35690352	35691840	0.1
Ch04a_75	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	35794998	35796487	35805114	35806603	0.1
Ch04a_78	Athila	GypsyCa_16	Gypsy	1493	0,993	12665	36021663	36023155	36032839	36034328	0.2
Ch04a_81	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	37305973	37307462	37316089	37317578	0.1
Ch04a_82	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	37936497	37937986	37946613	37948102	0.1
Ch04b_10	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	5862568	5864057	5872684	5874173	0.0

Ch04b_12	Athila	GypsyCa_16	Gypsy	1490	1	12662	7933174	7934663	7944347	7945836	0.0
Ch04b_13	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	8575422	8576911	8585538	8587027	0.1
Ch04b_19	Athila	GypsyCa_16	Gypsy	1491	0.997	12663	11584593	11586083	11595767	11597256	0.1
Ch04b_29	Athila	GypsyCa_16	Gypsy	1490	0.993	13344	19444948	19446437	19456800	19458292	0.2
Ch04b_31	Athila	GypsyCa_16	Gypsy	1490	0.999	11605	21704263	21705752	21714379	21715868	0.0
Ch04b_33	Athila	GypsyCa_16	Gypsy	1506	0.984	12678	22739373	22740878	22750562	22752051	0.2
Ch04b_35	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	24457120	24458609	24467236	24468725	0.1
Ch04b_45	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	30150018	30151507	30160134	30161623	0.1
Ch04b_52	Athila	GypsyCa_16	Gypsy	1490	0.998	12662	34409542	34411031	34420715	34422204	0.1
Ch04c_01	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	1564931	1566420	1575047	1576536	0.1
Ch04c_02	Athila	GypsyCa_16	Gypsy	1490	0.987	12676	1610734	1612223	1621907	1623410	0.2
Ch04c_04	Athila	GypsyCa_16	Gypsy	1490	0.995	12667	2877783	2879272	2888956	2890450	0.1
Ch04c_07	Athila	GypsyCa_16	Gypsy	1490	0.996	11605	5656020	5657509	5666136	5667625	0.2
Ch04c_08	Athila	GypsyCa_16	Gypsy	1493	0.993	12665	6774678	6776170	6785854	6787343	0.2
Ch04c_10	Athila	GypsyCa_16	Gypsy	1490	0.997	12664	9204978	9206467	9216151	9217642	0.0
Ch04c_11	Athila	GypsyCa_16	Gypsy	1490	0.997	12662	9638024	9639513	9649197	9650686	0.2
Ch04c_12	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	9952024	9953513	9962140	9963629	0.1
Ch04c_19	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	20407545	20409034	20417661	20419150	0.1
Ch04c_20	Athila	GypsyCa_16	Gypsy	1490	0.997	12663	21217279	21218768	21228452	21229942	0.1
Ch04c_33	Athila	GypsyCa_16	Gypsy	1493	0.993	12665	34476963	34478455	34488139	34489628	0.2
Ch04d_01	Athila	GypsyCa_16	Gypsy	1490	0.999	11605	1709333	1710822	1719449	1720938	0.0
Ch04d_19	Athila	GypsyCa_16	Gypsy	1490	0.997	12664	23409995	23411484	23421168	23422659	0.1
Ch04d_21	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	28805388	28806877	28815504	28816993	0.1
Ch04d_26	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	31438031	31439520	31448147	31449636	0.1
Ch04d_32	Athila	GypsyCa_16	Gypsy	1490	0.996	11605	36252113	36253602	36262229	36263718	0.2
Ch04d_33	Athila	GypsyCa_16	Gypsy	1490	0.996	11609	36742200	36743689	36752316	36753809	0.1
Ch04e_01	Athila	GypsyCa_16	Gypsy	1490	0.999	11605	1669511	1671000	1679627	1681116	0.0
Ch04e_02	Athila	GypsyCa_16	Gypsy	1497	0.995	12669	1891499	1892995	1902679	1904168	0.0
Ch04e_08	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	10158673	10160162	10168789	10170278	0.1
Ch04e_14	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	15208321	15209810	15218437	15219926	0.1
Ch04e_18	Athila	GypsyCa_16	Gypsy	1492	0.993	12664	21561835	21563326	21573010	21574499	0.2
Ch04e_19	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	21637743	21639232	21647859	21649348	0.1
Ch04e_20	Athila	GypsyCa_16	Gypsy	1490	0.997	12662	22381113	22382602	22392286	22393775	0.1
Ch04e_22	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	22651508	22652997	22661624	22663113	0.1
Ch04e_24	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	23253353	23254842	23263469	23264958	0.1
Ch04e_26	Athila	GypsyCa_16	Gypsy	1491	0.998	12663	24251950	24253440	24263124	24264613	0.0
Ch04e_28	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	27998275	27999764	28008391	28009880	0.1
Ch04e_32	Athila	GypsyCa_16	Gypsy	1490	0.998	12662	32242953	32244442	32254126	32255615	0.1

Ch04e_34	Athila	GypsyCa_16	Gypsy	1490	0.996	11605	32750046	32751535	32760162	32761651	0.2
Ch04e_36	Athila	GypsyCa_16	Gypsy	1496	0.992	12668	35668288	35669783	35679470	35680956	0.1
Ch04f_04	Athila	GypsyCa_16	Gypsy	1490	0.993	13487	1334258	1335747	1346249	1347745	0.1
Ch04f_06	Athila	GypsyCa_16	Gypsy	1490	0.998	12662	2746462	2747951	2757635	2759124	0.1
Ch04f_08	Athila	GypsyCa_16	Gypsy	1490	0.996	11605	4901057	4902546	4911173	4912662	0.2
Ch04f_09	Athila	GypsyCa_16	Gypsy	1497	0.994	12669	7023829	7025325	7035009	7036498	0.0
Ch05a_21	Athila	GypsyCa_16	Gypsy	1494	0.994	12667	11910641	11912134	11921818	11923307	0.1
Ch05a_28	Athila	GypsyCa_16	Gypsy	1490	0.998	12663	15104934	15106423	15116107	15117596	0.2
Ch05a_42	Athila	GypsyCa_16	Gypsy	1490	0.995	12667	23233054	23234543	23244227	23245720	2.1
Ch05a_45	Athila	GypsyCa_16	Gypsy	1494	0.993	12667	25437982	25439475	25449159	25450648	0.2
Ch05a_65	Athila	GypsyCa_16	Gypsy	1490	0.994	11609	37816254	37817743	37826370	37827862	0.1
Ch05b_05	Athila	GypsyCa_16	Gypsy	1491	0.993	11615	5114617	5116107	5124734	5126231	0.1
Ch05b_06	Athila	GypsyCa_16	Gypsy	1490	0.994	11604	5525004	5526493	5535120	5536607	0.1
Ch05b_07	Athila	GypsyCa_16	Gypsy	1490	0.998	12663	5773573	5775062	5784746	5786235	0.1
Ch05b_08	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	6164973	6166462	6175089	6176578	4.7
Ch05b_14	Athila	GypsyCa_16	Gypsy	1490	0.999	11606	11224215	11225704	11234331	11235820	0.0
Ch05b_18	Athila	GypsyCa_16	Gypsy	1493	0.997	12666	14508039	14509531	14519215	14520704	0.0
Ch05b_21	Athila	GypsyCa_16	Gypsy	1490	0.999	13038	18128991	18130480	18140539	18142028	0.0
Ch05b_26	Athila	GypsyCa_16	Gypsy	1490	0.997	12663	21996962	21998451	22008135	22009624	3.3
Ch05b_44	Athila	GypsyCa_16	Gypsy	1490	0.998	11606	28439613	28441102	28449729	28451218	0.0
Ch05c_04	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	5440283	5441772	5450399	5451888	0.0
Ch05c_05	Athila	GypsyCa_16	Gypsy	1490	1	12663	7010489	7011978	7021662	7023151	0.1
Ch05c_06	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	7371609	7373098	7381725	7383214	0.0
Ch05c_07	Athila	GypsyCa_16	Gypsy	1490	0.999	12664	10579283	10580772	10590456	10591946	0.1
Ch05c_08	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	11882695	11884184	11892811	11894300	0.1
Ch05c_09	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	15648930	15650419	15659046	15660535	0.0
Ch05c_21	Athila	GypsyCa_16	Gypsy	1490	0.998	11606	34925502	34926991	34935618	34937107	0.1
Ch05d_01	Athila	GypsyCa_16	Gypsy	1490	0.994	12672	1245136	1246625	1256309	1257807	0.1
Ch05d_03	Athila	GypsyCa_16	Gypsy	1490	0.989	12677	2006172	2007661	2017345	2018848	0.1
Ch05d_04	Athila	GypsyCa_16	Gypsy	1504	0.989	12677	3596281	3597784	3607468	3608957	0.1
Ch05d_05	Athila	GypsyCa_16	Gypsy	1490	0.997	12663	4545286	4546775	4556459	4557948	0.0
Ch05d_09	Athila	GypsyCa_16	Gypsy	1490	0.999	12663	11865416	11866905	11876589	11878078	0.0
Ch05d_17	Athila	GypsyCa_16	Gypsy	1490	0.998	11606	20544044	20545533	20554160	20555649	0.1
Ch05d_18	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	20672024	20673513	20682140	20683629	0.1
Ch05d_19	Athila	GypsyCa_16	Gypsy	1504	0.99	12678	20825640	20827143	20836827	20838317	0.0
Ch05d_20	Athila	GypsyCa_16	Gypsy	1490	0.999	11606	22396453	22397942	22406569	22408058	0.0
Ch05d_21	Athila	GypsyCa_16	Gypsy	1490	0.998	12663	22559097	22560586	22570270	22571759	0.1
Ch05d_23	Athila	GypsyCa_16	Gypsy	1495	0.996	12668	27930078	27931572	27941256	27942745	0.0

Ch05e_03	Athila	GypsyCa_16	Gypsy	1490	0,998	12663	7529328	7530817	7540501	7541990	0.1
Ch05e_04	Athila	GypsyCa_16	Gypsy	1490	0,998	12663	8648397	8649886	8659570	8661059	0.1
Ch05e_05	Athila	GypsyCa_16	Gypsy	1490	0,998	12663	8648397	8649886	8659570	8661059	0.1
Ch05e_06	Athila	GypsyCa_16	Gypsy	1490	0,999	12663	8967221	8968710	8978394	8979883	0.0
Ch05e_07	Athila	GypsyCa_16	Gypsy	1490	0,992	12669	9295164	9296659	9306343	9307832	0.2
Ch05e_08	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	9555107	9556596	9565223	9566712	0.1
Ch05e_09	Athila	GypsyCa_16	Gypsy	1490	0,998	12663	11139827	11141316	11151000	11152489	0.1
Ch05e_11	Athila	GypsyCa_16	Gypsy	1490	0,998	11606	15735798	15737287	15745914	15747403	0.1
Ch05e_12	Athila	GypsyCa_16	Gypsy	1490	0,999	11606	16837538	16839027	16847654	16849143	0.0
Ch05e_15	Athila	GypsyCa_16	Gypsy	1490	0,997	12663	22532750	22534239	22543923	22545412	0.1
Ch05e_16	Athila	GypsyCa_16	Gypsy	1490	0,998	12663	22590508	22591997	22601681	22603170	0.1
Ch05e_26	Athila	GypsyCa_16	Gypsy	1490	0,999	11606	32628545	32630034	32638661	32640150	0.0
Ch05f_10	Athila	GypsyCa_16	Gypsy	1490	0,995	11608	5853318	5854807	5863434	5864925	0.2
Ch05f_12	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	6875763	6877252	6885879	6887368	0.1
Ch05f_13	Athila	GypsyCa_16	Gypsy	1490	0,996	11606	7945147	7946636	7955263	7956752	0.2
Ch05f_14	Athila	GypsyCa_16	Gypsy	1490	0,997	12663	8449341	8450830	8460514	8462003	0.1
Ch05f_16	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	10184334	10185823	10194450	10195939	0.1
Ch05f_17	Athila	GypsyCa_16	Gypsy	1490	1	12663	10239543	10241032	10250716	10252205	0.0
Ch05f_18	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	10376600	10378089	10386716	10388205	0.1
Ch05f_44	Athila	GypsyCa_16	Gypsy	1490	0,999	11606	27293062	27294551	27303178	27304667	0.0
Ch05f_48	Athila	GypsyCa_16	Gypsy	1490	0,998	11606	27845878	27847367	27855994	27857483	0.1
Ch06a_101	Athila	GypsyCa_16	Gypsy	1499	0,991	12671	35100277	35101775	35111459	35112948	0.2
Ch06a_48	Athila	GypsyCa_16	Gypsy	1490	0,993	11609	15974532	15976021	15984648	15986141	0.2
Ch06a_49	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	16115590	16117079	16125706	16127195	0.0
Ch06a_62	Athila	GypsyCa_16	Gypsy	1490	0,987	11589	21167729	21169218	21177845	21179318	0.1
Ch06a_85	Athila	GypsyCa_16	Gypsy	1493	0,997	12665	29134210	29135702	29145386	29146875	0.1
Ch06b_05	Athila	GypsyCa_16	Gypsy	1490	0,995	11605	2705508	2706997	2715624	2717113	0.2
Ch06b_06	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	2734558	2736047	2744674	2746163	0.1
Ch06b_07	Athila	GypsyCa_16	Gypsy	1490	0,987	12645	3084192	3085681	3095365	3096837	0.1
Ch06b_10	Athila	GypsyCa_16	Gypsy	1491	0,996	12662	4079521	4081011	4090695	4092183	0.1
Ch06b_12	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	4915649	4917138	4925765	4927254	0.1
Ch06b_14	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	7013248	7014737	7023364	7024853	0.0
Ch06b_24	Athila	GypsyCa_16	Gypsy	1497	0,991	13914	11892481	11893977	11904906	11906395	0.1
Ch06b_36	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	20504140	20505629	20515313	20516802	0.0
Ch06b_38	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	22598938	22600427	22609054	22610543	0.1
Ch06b_46	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	27349030	27350519	27360203	27361692	0.0
Ch06b_48	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	28434229	28435718	28445402	28446891	0.0
Ch06b_50	Athila	GypsyCa_16	Gypsy	1490	0,997	11608	29940411	29941900	29950527	29952019	0.0

Ch06b_54	Athila	GypsyCa_16	Gypsy	1490	0.999	12662	36445816	36447305	36456989	36458478	0.0
Ch06b_56	Athila	GypsyCa_16	Gypsy	1490	0.991	11614	37863647	37865136	37873763	37875261	0.2
Ch06b_61	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	39460448	39461937	39470564	39472053	0.1
Ch06c_06	Athila	GypsyCa_16	Gypsy	1493	0.995	12665	2712331	2713823	2723507	2724996	0.1
Ch06c_17	Athila	GypsyCa_16	Gypsy	1487	0.997	11602	13607311	13608797	13617427	13618913	0.1
Ch06c_24	Athila	GypsyCa_16	Gypsy	1493	0.995	12665	21266249	21267741	21277425	21278914	0.1
Ch06c_25	Athila	GypsyCa_16	Gypsy	1483	0.987	12655	22066735	22068217	22077901	22079390	0.1
Ch06c_26	Athila	GypsyCa_16	Gypsy	1490	0.999	12662	22960095	22961584	22971268	22972757	0.0
Ch06c_30	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	26156887	26158376	26167003	26168492	0.1
Ch06c_32	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	28727748	28729237	28737864	28739353	0.1
Ch06c_33	Athila	GypsyCa_16	Gypsy	1490	0.993	11610	28885534	28887023	28895650	28897144	0.2
Ch06c_35	Athila	GypsyCa_16	Gypsy	1497	0.993	12669	29663623	29665119	29674803	29676292	0.1
Ch06c_36	Athila	GypsyCa_16	Gypsy	1490	0.999	12662	33713681	33715170	33724854	33726343	0.0
Ch06c_37	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	33980856	33982345	33990972	33992461	0.1
Ch06c_38	Athila	GypsyCa_16	Gypsy	1493	0.993	12665	34123882	34125374	34135058	34136547	0.2
Ch06c_39	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	34941239	34942728	34951355	34952844	0.1
Ch06c_40	Athila	GypsyCa_16	Gypsy	1490	0.995	11607	37870205	37871694	37880321	37881812	0.2
Ch06d_01	Athila	GypsyCa_16	Gypsy	1490	0.994	12662	147114	148603	158290	159776	0.2
Ch06d_02	Athila	GypsyCa_16	Gypsy	1496	0.99	11611	7963059	7964554	7973181	7974670	0.3
Ch06d_11	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	13469938	13471427	13480054	13481543	0.1
Ch06d_17	Athila	GypsyCa_16	Gypsy	1490	0.993	11608	18427814	18429303	18437930	18439422	0.2
Ch06d_18	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	18708121	18709610	18718237	18719726	0.1
Ch06d_20	Athila	GypsyCa_16	Gypsy	1500	0.993	12672	19113926	19115425	19125109	19126598	0.0
Ch06d_22	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	21662146	21663635	21672262	21673751	0.1
Ch06d_23	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	22379763	22381252	22389879	22391368	0.1
Ch06d_24	Athila	GypsyCa_16	Gypsy	1490	0.995	11608	23998196	23999685	24008312	24009804	0.0
Ch06d_25	Athila	GypsyCa_16	Gypsy	1490	0.999	12662	24153119	24154608	24164292	24165781	0.0
Ch06d_26	Athila	GypsyCa_16	Gypsy	1490	0.997	11607	24195391	24196880	24205507	24206998	0.1
Ch06d_28	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	26056200	26057689	26066316	26067805	0.1
Ch06d_29	Athila	GypsyCa_16	Gypsy	1496	0.992	12668	26545017	26546512	26556196	26557685	0.2
Ch06d_30	Athila	GypsyCa_16	Gypsy	1497	0.991	12669	29097988	29099484	29109168	29110657	0.2
Ch06d_33	Athila	GypsyCa_16	Gypsy	1504	0.988	12676	31477408	31478911	31488595	31490084	0.1
Ch06d_34	Athila	GypsyCa_16	Gypsy	1490	0.994	11609	31628503	31629992	31638619	31640112	0.2
Ch06d_35	Athila	GypsyCa_16	Gypsy	1494	0.997	12666	32904787	32906280	32915964	32917453	0.0
Ch06d_36	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	34016474	34017963	34026590	34028079	0.1
Ch06d_39	Athila	GypsyCa_16	Gypsy	1505	0.987	12677	34552724	34554228	34563912	34565401	0.1
Ch06e_03	Athila	GypsyCa_16	Gypsy	1490	1	12662	7002261	7003750	7013434	7014923	0.0
Ch06e_05	Athila	GypsyCa_16	Gypsy	1490	0.998	12662	7930274	7931763	7941447	7942936	0.1

Ch06e_06	Athila	GypsyCa_16	Gypsy	1491	0.994	12670	7982301	7983791	7993475	7994971	0.1
Ch06e_07	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	9387772	9389261	9397888	9399377	0.1
Ch06e_11	Athila	GypsyCa_16	Gypsy	1489	0.997	11604	12386561	12388049	12396676	12398165	0.1
Ch06e_16	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	13690337	13691826	13700453	13701942	0.1
Ch06e_18	Athila	GypsyCa_16	Gypsy	1503	0.987	11618	17388068	17389570	17398197	17399686	0.2
Ch06e_19	Athila	GypsyCa_16	Gypsy	1490	0.996	11605	17471297	17472786	17481413	17482902	0.2
Ch06e_23	Athila	GypsyCa_16	Gypsy	1490	0.999	12662	22147798	22149287	22158971	22160460	0.0
Ch06e_26	Athila	GypsyCa_16	Gypsy	1490	1	12662	23012528	23014017	23023701	23025190	0.0
Ch06e_28	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	23174278	23175767	23184394	23185883	0.1
Ch06e_29	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	23671800	23673289	23681916	23683405	0.1
Ch06f_11	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	2681056	2682545	2691172	2692661	0.1
Ch06f_12	Athila	GypsyCa_16	Gypsy	1497	0.995	12670	2706347	2707843	2717527	2719017	0.0
Ch06f_20	Athila	GypsyCa_16	Gypsy	1490	0.998	12662	7605896	7607385	7617069	7618558	0.1
Ch06f_21	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	7980845	7982334	7990961	7992451	0.1
Ch06f_27	Athila	GypsyCa_16	Gypsy	1490	0.999	11605	10936790	10938279	10946906	10948395	0.0
Ch06f_28	Athila	GypsyCa_16	Gypsy	1490	0.997	12662	11480383	11481872	11491556	11493045	0.1
Ch06f_29	Athila	GypsyCa_16	Gypsy	1490	0.999	12662	12869488	12870977	12880661	12882150	0.0
Ch06f_31	Athila	GypsyCa_16	Gypsy	1490	0.998	11605	14416627	14418116	14426743	14428232	0.1
Ch06f_33	Athila	GypsyCa_16	Gypsy	1490	0.999	12663	20012701	20014190	20023874	20025364	0.0
Ch06f_37	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	23241186	23242675	23251302	23252791	0.1
Ch06f_45	Athila	GypsyCa_16	Gypsy	1490	0.997	11605	27951346	27952835	27961462	27962951	0.1
Ch06f_53	Athila	GypsyCa_16	Gypsy	1490	0.996	11605	31471878	31473367	31481994	31483483	0.2
Ch07a_27	Athila	GypsyCa_16	Gypsy	1490	0.995	12663	19741256	19742745	19752429	19753918	0.2
Ch07b_09	Athila	GypsyCa_16	Gypsy	1493	0.995	12666	16788532	16790024	16799708	16801197	0.2
Ch07d_12	Athila	GypsyCa_16	Gypsy	1490	0.998	12663	13225295	13226784	13236468	13237957	0.1
Ch07d_14	Athila	GypsyCa_16	Gypsy	1490	0.999	12663	21532185	21533674	21543358	21544847	0.0
Ch07e_02	Athila	GypsyCa_16	Gypsy	1490	0.997	11606	1828315	1829804	1838431	1839920	0.1
Ch07e_04	Athila	GypsyCa_16	Gypsy	1490	0.998	12663	4025187	4026676	4036360	4037849	0.1
Ch07e_05	Athila	GypsyCa_16	Gypsy	1490	0.999	12664	6945708	6947197	6956881	6958371	0.0
Ch07e_13	Athila	GypsyCa_16	Gypsy	1490	0.998	11606	12870384	12871873	12880500	12881989	0.1
Ch03a_48	Athila	GypsyCa_16	Gypsy	1490	0.995	12666	20779554	20781043	20790727	20792219	0.1
Ch03a_49	Athila	GypsyCa_16	Gypsy	1490	0.998	12665	20899860	20901349	20911033	20912524	0.0
Ch03a_67	Athila	GypsyCa_16	Gypsy	1493	0.996	12666	25756850	25758342	25768026	25769515	0.1
Ch03a_68	Athila	GypsyCa_16	Gypsy	1490	0.998	11606	27436707	27438196	27446823	27448312	0.1
Ch03a_81	Athila	GypsyCa_16	Gypsy	1490	0.989	12675	33443937	33445426	33455110	33456611	0.1
Ch03b_10	Athila	GypsyCa_16	Gypsy	1490	0.993	11609	3543033	3544522	3553149	3554641	0.3
Ch03b_13	Athila	GypsyCa_16	Gypsy	1503	0.986	12675	5737712	5739214	5748898	5750386	0.3
Ch03b_14	Athila	GypsyCa_16	Gypsy	1490	0.993	11612	5755120	5756609	5765236	5766731	0.1

Ch03b_15	Athila	GypsyCa_16	Gypsy	1501	0,991	12674	6017902	6019402	6029086	6030575	0.1
Ch03b_22	Athila	GypsyCa_16	Gypsy	1490	0,998	12663	11091770	11093259	11102943	11104432	0.1
Ch03b_23	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	11292609	11294098	11302725	11304214	0.1
Ch03b_25	Athila	GypsyCa_16	Gypsy	1490	0,999	11606	11924539	11926028	11934655	11936144	0.0
Ch03b_36	Athila	GypsyCa_16	Gypsy	1490	0,998	12663	18196827	181983	18208000	18209489	0.1
Ch03b_37	Athila	GypsyCa_16	Gypsy	1490	0,998	11606	19537138	19538627	19547254	19548743	0.1
Ch03b_39	Athila	GypsyCa_16	Gypsy	1503	0,989	11619	21868406	21869908	21878535	21880024	0.1
Ch03b_45	Athila	GypsyCa_16	Gypsy	1490	0,993	11612	25323115	25324604	25333231	25334726	0.1
Ch03b_47	Athila	GypsyCa_16	Gypsy	1490	0,998	11606	25723375	25724864	25733491	25734980	0.1
Ch03b_49	Athila	GypsyCa_16	Gypsy	1490	0,997	12663	28598032	28599521	28609205	28610694	0.1
Ch03b_53	Athila	GypsyCa_16	Gypsy	1490	0,999	12663	30944655	30946144	30955828	30957317	0.0
Ch03b_56	Athila	GypsyCa_16	Gypsy	1490	0,997	11606	32404604	32406093	32414720	32416209	0.1
Ch05f_25	Athila	GypsyCa_16	Gypsy	1490	0,995	11606	16898742	16900231	16908858	16910347	0.2
Ch10a_31	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	13729055	13730544	13739171	13740660	0.0
Ch10a_32	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	13793771	13795260	13803887	13805376	1.2
Ch10a_33	Athila	GypsyCa_16	Gypsy	1490	0,992	12669	13890131	13891620	13901304	13902800	1.2
Ch10a_34	Athila	GypsyCa_16	Gypsy	1490	0,994	12669	14260630	14262119	14271803	14273299	0.4
Ch10a_38	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	14833244	14834733	14843360	14844849	0.1
Ch10a_47	Athila	GypsyCa_16	Gypsy	1493	0,995	12665	21368868	21370360	21380044	21381533	0.1
Ch10a_49	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	23428734	23430223	23439907	23441396	0.0
Ch10a_50	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	23649632	23651121	23659748	23661237	0.0
Ch10a_53	Athila	GypsyCa_16	Gypsy	1491	0,995	12664	26210136	26211626	26221310	26222800	0.2
Ch10a_56	Athila	GypsyCa_16	Gypsy	1500	0,987	12672	28106614	28108113	28117797	28119286	0.1
Ch10a_57	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	28592991	28594480	28603107	28604596	0.1
Ch10a_61	Athila	GypsyCa_16	Gypsy	1494	0,989	11609	30262050	30263543	30272170	30273659	0.2
Ch10b_02	Athila	GypsyCa_16	Gypsy	1494	0,993	12666	1792437	1793930	1803614	1805103	0.2
Ch10b_04	Athila	GypsyCa_16	Gypsy	1490	0,994	11606	4757684	4759173	4767800	4769290	0.2
Ch10b_06	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	5681135	5682624	5691251	5692740	0.1
Ch10b_07	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	8266740	8268229	8276856	8278345	0.1
Ch10b_08	Athila	GypsyCa_16	Gypsy	1490	0,999	12663	11677956	11679445	11689129	11690619	0.0
Ch10b_12	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	13513702	13515191	13523818	13525307	0.1
Ch10b_14	Athila	GypsyCa_16	Gypsy	1496	0,995	12668	15138826	15140321	15150005	15151494	0.0
Ch10b_16	Athila	GypsyCa_16	Gypsy	1490	0,988	11619	21011812	21013301	21021928	21023431	0.1
Ch10b_19	Athila	GypsyCa_16	Gypsy	1480	0,991	12652	23725639	23727118	23736802	23738291	0.1
Ch10b_20	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	23797375	23798864	23807491	23808980	0.1
Ch10b_23	Athila	GypsyCa_16	Gypsy	1490	0,995	11607	35472213	35473702	35482329	35483820	0.2
Ch10c_04	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	4241534	4243023	4251650	4253139	0.1
Ch10c_08	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	12776892	12778381	12787008	12788497	0.1

Ch10c_09	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	14629754	14631243	14640927	14642416	0.1
Ch10c_12	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	21721976	21723465	21732092	21733581	0.1
Ch10c_13	Athila	GypsyCa_16	Gypsy	1490	0,998	12663	24183771	24185260	24194944	24196434	0.0
Ch10c_25	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	30681380	30682869	30691496	30692985	0.1
Ch10c_31	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	35477627	35479116	35487743	35489232	0.1
Ch10c_36	Athila	GypsyCa_16	Gypsy	1489	0,997	11604	37698420	37699908	37708535	37710024	0.1
Ch10c_38	Athila	GypsyCa_16	Gypsy	1497	0,993	12669	39446245	39447741	39457425	39458914	0.1
Ch10d_07	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	9102871	9104360	9112987	9114476	0.1
Ch10d_12	Athila	GypsyCa_16	Gypsy	1490	0,997	11607	11000240	11001729	11010356	11011847	0.1
Ch10d_13	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	12215000	12216489	12226173	12227662	0.0
Ch10d_15	Athila	GypsyCa_16	Gypsy	1487	0,998	11602	16511262	16512748	16521378	16522864	0.1
Ch10d_16	Athila	GypsyCa_16	Gypsy	1500	0,992	12672	19362181	19363680	19373364	19374853	0.0
Ch10d_28	Athila	GypsyCa_16	Gypsy	1490	0,991	11607	30095439	30096928	30105555	30107046	0.0
Ch10d_31	Athila	GypsyCa_16	Gypsy	1490	0,995	12662	31157470	31158959	31168646	31170132	0.1
Ch10d_34	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	33560925	33562414	33571041	33572530	0.0
Ch10d_35	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	34140251	34141740	34151424	34152913	0.1
Ch10d_37	Athila	GypsyCa_16	Gypsy	1493	0,996	12666	35594956	35596448	35606132	35607622	0.1
Ch10e_01	Athila	GypsyCa_16	Gypsy	1490	0,993	14634	912084	913573	925228	926718	0.3
Ch10e_17	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	14393970	14395459	14405143	14406632	0.0
Ch10f_04	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	2445675	2447164	2455791	2457280	0.0
Ch10f_24	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	13438637	13440126	13449810	13451299	0.0
Ch10f_30	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	15363045	15364534	15373161	15374650	0.1
Ch11a_32	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	13252313	13253802	13262429	13263918	0.1
Ch11a_46	Athila	GypsyCa_16	Gypsy	1490	0,995	12663	19516810	19518299	19527983	19529473	0.1
Ch11a_47	Athila	GypsyCa_16	Gypsy	1490	0,996	11607	19576162	19577651	19586278	19587769	0.1
Ch11a_57	Athila	GypsyCa_16	Gypsy	1487	0,991	11602	28054439	28055925	28064552	28066041	0.3
Ch11a_62	Athila	GypsyCa_16	Gypsy	1495	0,996	12667	29930409	29931903	29941587	29943076	0.0
Ch11c_04	Athila	GypsyCa_16	Gypsy	1490	1	12662	14761203	14762692	14772376	14773865	0.0
Ch11d_25	Athila	GypsyCa_16	Gypsy	1494	0,989	11601	35378838	35380331	35388958	35390439	0.2
Ch11e_01	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	99979	101468	110095	111584	0.0
Ch11e_09	Athila	GypsyCa_16	Gypsy	1466	0,977	12638	9112589	9114054	9123738	9125227	0.3
Ch11e_12	Athila	GypsyCa_16	Gypsy	1490	0,998	12663	11692628	11694117	11703801	11705291	0.0
Ch11e_13	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	12065320	12066809	12075436	12076925	0.0
Ch11e_14	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	12931864	12933353	12941980	12943469	0.1
Ch11e_21	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	18885066	18886555	18896239	18897728	0.1
Ch11e_34	Athila	GypsyCa_16	Gypsy	1494	0,994	13768	25987891	25989384	26000170	26001659	0.2
Ch11e_37	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	30895470	30896959	30905586	30907075	0.1
Ch11f_03	Athila	GypsyCa_16	Gypsy	1491	0,998	12663	2291128	2292618	2302302	2303791	0.0

Ch11f_04	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	3153407	3154896	3164580	3166069	0.1
Ch11f_06	Athila	GypsyCa_16	Gypsy	1493	0,996	12665	6437987	6439479	6449163	6450652	0.1
Ch11f_07	Athila	GypsyCa_16	Gypsy	1491	0,997	11606	7097330	7098820	7107447	7108936	0.1
Ch11f_13	Athila	GypsyCa_16	Gypsy	1497	0,993	12669	10019040	10020536	10030220	10031709	0.1
Ch11f_15	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	10343340	10344829	10353456	10354945	0.1
Ch11f_16	Athila	GypsyCa_16	Gypsy	1490	0,996	11605	10553823	10555312	10563939	10565428	0.1
Ch11f_17	Athila	GypsyCa_16	Gypsy	1490	0,996	11607	10616463	10617952	10626579	10628070	0.1
Ch11f_18	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	11113060	11114549	11123176	11124665	0.0
Ch11f_19	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	11549801	11551290	11559917	11561406	0.0
Ch11f_56	Athila	GypsyCa_16	Gypsy	1497	0,993	12669	28897763	28899259	28908943	28910432	0.1
Ch12a_02	Athila	GypsyCa_16	Gypsy	1497	0,993	12669	220501	221997	231681	233170	0.1
Ch12a_25	Athila	GypsyCa_16	Gypsy	1490	0,996	11605	6681177	6682666	6691293	6692782	0.2
Ch12a_42	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	15330574	15332063	15340690	15342179	0.1
Ch12a_49	Athila	GypsyCa_16	Gypsy	1497	0,994	12669	17675890	17677386	17687070	17688559	0.0
Ch12a_59	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	22861739	22863228	22871855	22873344	0.1
Ch12a_63	Athila	GypsyCa_16	Gypsy	1490	1	12662	24770051	24771540	24781224	24782713	0.0
Ch12a_65	Athila	GypsyCa_16	Gypsy	1494	0,996	12666	25739513	25741006	25750690	25752179	0.0
Ch12a_72	Athila	GypsyCa_16	Gypsy	1490	0,991	12672	28712543	28714032	28723716	28725215	0.1
Ch12a_76	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	30502960	30504449	30513076	30514565	0.1
Ch12a_77	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	31766699	31768188	31776815	31778304	0.1
Ch12a_85	Athila	GypsyCa_16	Gypsy	1497	0,992	12669	35458562	35460058	35469742	35471231	0.1
Ch12b_05	Athila	GypsyCa_16	Gypsy	1490	0,996	11605	2448534	2450023	2458650	2460139	0.2
Ch12b_06	Athila	GypsyCa_16	Gypsy	1487	0,999	12659	2568995	2570481	2580168	2581654	0.0
Ch12b_09	Athila	GypsyCa_16	Gypsy	1491	0,998	11606	4810963	4812453	4821080	4822569	0.0
Ch12b_10	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	5628168	5629657	5639341	5640830	0.0
Ch12b_11	Athila	GypsyCa_16	Gypsy	1490	0,993	11610	5966496	5967985	5976612	5978106	0.2
Ch12b_15	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	11395042	11396531	11406215	11407704	0.1
Ch12b_17	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	13222386	13223875	13232502	13233991	0.1
Ch12b_20	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	15635588	15637077	15645704	15647193	0.1
Ch12b_25	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	17481218	17482707	17491334	17492823	0.1
Ch12b_28	Athila	GypsyCa_16	Gypsy	1490	0,993	11614	19168666	19170155	19178782	19180280	0.0
Ch12b_31	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	21062995	21064484	21074168	21075657	0.0
Ch12b_32	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	21454969	21456458	21466142	21467631	0.1
Ch12b_37	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	23885789	23887278	23895905	23897394	0.0
Ch12b_40	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	25215487	25216976	25225603	25227092	0.0
Ch12b_41	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	25864980	25866469	25875096	25876585	0.1
Ch12b_42	Athila	GypsyCa_16	Gypsy	1490	0,991	11611	26117336	26118825	26127452	26128947	0.2
Ch12b_43	Athila	GypsyCa_16	Gypsy	1490	0,996	11605	27522647	27524136	27532763	27534252	0.2

Ch12b_44	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	28892949	28894438	28904122	28905611	0.0
Ch12b_46	Athila	GypsyCa_16	Gypsy	1490	0,995	11609	32004880	32006369	32014996	32016489	0.1
Ch12b_48	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	33578696	33580185	33588812	33590301	0.0
Ch12b_49	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	33617916	33619405	33628032	33629521	0.1
Ch12b_51	Athila	GypsyCa_16	Gypsy	1493	0,997	12665	34458129	34459621	34469305	34470794	0.0
Ch12b_52	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	35035599	35037088	35045715	35047204	0.0
Ch12b_53	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	35734401	35735890	35744517	35746006	0.0
Ch12b_54	Athila	GypsyCa_16	Gypsy	1503	0,991	12676	36759183	36760685	36770369	36771859	0.1
Ch12b_56	Athila	GypsyCa_16	Gypsy	1493	0,995	12665	38857250	38858742	38868426	38869915	0.1
Ch12b_57	Athila	GypsyCa_16	Gypsy	1503	0,989	12675	38873254	38874756	38884440	38885929	0.1
Ch12b_58	Athila	GypsyCa_16	Gypsy	1490	0,993	11609	39770709	39772198	39780825	39782318	0.2
Ch12c_07	Athila	GypsyCa_16	Gypsy	1494	0,991	12667	2189488	2190981	2200665	2202155	0.1
Ch12c_08	Athila	GypsyCa_16	Gypsy	1490	0,997	12664	2386885	2388374	2398058	2399549	0.0
Ch12c_13	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	7476414	7477903	7486530	7488019	0.1
Ch12c_16	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	7961044	7962533	7972217	7973706	0.1
Ch12c_18	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	10492830	10494319	10504003	10505492	0.1
Ch12c_20	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	14926326	14927815	14936442	14937931	0.0
Ch12c_27	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	21871865	21873354	21883038	21884527	0.1
Ch12c_28	Athila	GypsyCa_16	Gypsy	1490	0,992	12671	25186738	25188227	25197911	25199409	0.1
Ch12c_34	Athila	GypsyCa_16	Gypsy	1490	0,998	12662	34236319	34237808	34247492	34248981	0.1
Ch12d_06	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	5852640	5854129	5862756	5864245	0.1
Ch12d_08	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	11584216	11585705	11594332	11595821	0.1
Ch12d_10	Athila	GypsyCa_16	Gypsy	1490	1	11605	12688469	12689958	12698585	12700074	0.0
Ch12d_13	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	14244675	14246164	14254791	14256280	0.1
Ch12d_17	Athila	GypsyCa_16	Gypsy	1490	0,996	12665	20061458	20062947	20072631	20074123	0.0
Ch12d_18	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	20953915	20955404	20965088	20966577	0.1
Ch12d_23	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	26582930	26584419	26593046	26594535	0.1
Ch12d_27	Athila	GypsyCa_16	Gypsy	1490	0,997	12662	30366469	30367958	30377642	30379131	0.1
Ch12d_28	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	30636877	30638366	30646993	30648482	0.1
Ch12d_32	Athila	GypsyCa_16	Gypsy	1490	1	12662	33531658	33533147	33542831	33544320	0.0
Ch12d_34	Athila	GypsyCa_16	Gypsy	1490	0,993	11610	34924838	34926327	34934954	34936448	0.2
Ch12d_35	Athila	GypsyCa_16	Gypsy	1490	0,998	11605	35203343	35204832	35213459	35214948	0.1
Ch12d_36	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	35807261	35808750	35817377	35818866	0.1
Ch12e_01	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	1489423	1490912	1499539	1501028	0.0
Ch12e_03	Athila	GypsyCa_16	Gypsy	1490	0,995	12665	4392529	4394018	4403702	4405194	0.1
Ch12e_04	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	5470855	5472344	5480971	5482460	0.1
Ch12e_05	Athila	GypsyCa_16	Gypsy	1493	0,996	12665	7643575	7645067	7654751	7656240	0.1
Ch12e_07	Athila	GypsyCa_16	Gypsy	1511	0,984	12683	8127681	8129191	8138875	8140364	0.1

Ch12e_08	Athila	GypsyCa_16	Gypsy	1490	0,994	11608	10045426	10046915	10055542	10057034	0.2
Ch12e_09	Athila	GypsyCa_16	Gypsy	1504	0,989	12676	13105600	13107103	13116787	13118276	0.1
Ch12e_10	Athila	GypsyCa_16	Gypsy	1490	1	12662	13454880	13456369	13466053	13467542	0.0
Ch12e_16	Athila	GypsyCa_16	Gypsy	1490	0,989	11616	20276076	20277565	20286192	20287692	0.2
Ch12e_20	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	24032933	24034422	24044106	24045595	0.0
Ch12e_22	Athila	GypsyCa_16	Gypsy	1489	0,993	12661	25099008	25100496	25110180	25111669	0.2
Ch12e_23	Athila	GypsyCa_16	Gypsy	1490	0,997	12410	27136324	27137813	27147242	27148734	0.0
Ch12e_25	Athila	GypsyCa_16	Gypsy	1497	0,993	12669	28868710	28870206	28879890	28881379	0.1
Ch12e_27	Athila	GypsyCa_16	Gypsy	1490	0,999	12662	29123021	29124510	29134194	29135683	0.0
Ch12e_30	Athila	GypsyCa_16	Gypsy	1490	0,997	11605	30171266	30172755	30181382	30182871	0.1
Ch12e_34	Athila	GypsyCa_16	Gypsy	1497	0,994	12669	32476475	32477971	32487655	32489144	0.0
Ch12e_35	Athila	GypsyCa_16	Gypsy	1499	0,993	12671	34279295	34280793	34290477	34291966	0.1
Ch10a_66	Athila	GypsyCa_16	Gypsy	1490	0,991	11614	32566001	32567490	32576117	32577615	0.1
Ch12f_02	Athila	GypsyCa_16	Gypsy	1490	1	12670	2308184	2309673	2319357	2320854	0.1
Ch12f_03	Athila	GypsyCa_16	Gypsy	1490	0,999	11605	2702436	2703925	2712552	2714041	0.0
Ch03b_57	Athila	GypsyCa_17	Gypsy	1490	0,999	11606	32428053	32429542	32438169	32439658	0.0
Ch03b_62	Athila	GypsyCa_17	Gypsy	1490	0,996	12663	36269822	36271311	36280995	36282484	0.2
Ch03b_63	Athila	GypsyCa_17	Gypsy	1494	0,993	12667	36631665	36633158	36642842	36644331	0.2
Ch01e_38	Athila	-monotypic	Gypsy	1420	0,954	12064	28001792	28003211	28012435	28013856	1.2
Ch01f_23	Athila	-monotypic	Gypsy	1490	0,889	13663	19821654	19823143	19833852	19835317	4.2
Ch09a_15	Athila	-monotypic	Gypsy	1192	0,932	12153	4405210	4406401	4416145	4417363	1.8
Ch09a_16	Athila	-monotypic	Gypsy	1206	0,953	12845	4467651	4468856	4479285	4480496	1.8
Ch09b_19	Athila	-monotypic	Gypsy	984	0,954	12469	13836565	13837548	13848050	13849034	1.8
Ch09e_06	Athila	-monotypic	Gypsy	1510	0,912	12925	6016860	6018369	6028271	6029785	0.0
Ch02c_27	Athila	-monotypic	Gypsy	1456	0,905	10045	14269920	14271375	14278514	14279965	3.8
Ch03e_19	Athila	-monotypic	Gypsy	1204	0,93	12535	15979166	15980369	15990494	15991700	2.8
Ch04e_05	Athila	-monotypic	Gypsy	1527	0,885	9943	6230241	6231767	6238635	6240184	4.5
Ch05e_10	Athila	-monotypic	Gypsy	1512	0,929	12994	12202656	12204167	12214138	12215649	2.9
Ch05f_45	Athila	-monotypic	Gypsy	739	0,904	12654	27371817	27372555	27383697	27384470	2.0
Ch06f_46	Athila	-monotypic	Gypsy	1513	0,948	13095	28577828	28579340	28589410	28590923	2.1
Ch08d_10	Athila	-monotypic	Gypsy	1356	0,969	9832	9234915	9236270	9243390	9244747	1.2
Ch03b_33	Athila	-monotypic	Gypsy	1514	0,941	12964	17249823	17251336	17261279	17262786	2.2
Ch01h_17	Athila	-monotypic	Gypsy	1628	0,869	16514	9545660	9547287	9560578	9562174	4.4
Ch10c_34	Athila	-monotypic	Gypsy	1461	0,927	9990	35992312	35993772	36000844	36002302	3.0
Ch11a_42	Athila	-monotypic	Gypsy	1197	0,945	12984	17425215	17426411	17436989	17438199	1.5
Ch11a_51	Athila	-monotypic	Gypsy	1659	0,934	13862	22929821	22931479	22942017	22943683	2.5
Ch11d_13	Athila	-monotypic	Gypsy	1505	0,944	10120	25773341	25774845	25781959	25783461	2.3
Ch11f_28	Athila	-monotypic	Gypsy	1493	0,919	9877	14843278	14844770	14851651	14853155	3.1

Ch12a_45	Athila	-monotypic	Gypsy	1212	0,949	12331	16471375	16472586	16482493	16483706	2.1
Ch03b_30	CRM	GypsyCa_01	Gypsy	522	0,952	6621	15591978	15592499	15598079	15598598	1.5
Ch06b_44	CRM	GypsyCa_01	Gypsy	521	0,933	6460	26555586	26556106	26561526	26562046	0.1
Ch08d_64	CRM	GypsyCa_01	Gypsy	517	0,936	6606	32743781	32744297	32749871	32750387	2.6
Ch03b_03	CRM	GypsyCa_03	Gypsy	760	0,925	7518	2082631	2083390	2089388	2090148	3.3
Ch01b_12	CRM	GypsyCa_03	Gypsy	772	0,97	7563	5636194	5636965	5642987	5643757	1.1
Ch01b_42	CRM	GypsyCa_03	Gypsy	754	0,928	7497	17864557	17865310	17871325	17872054	1.7
Ch01e_19	CRM	GypsyCa_03	Gypsy	258	0,938	6950	14423915	14424172	14430608	14430865	2.5
Ch01g_07a	CRM	GypsyCa_03	Gypsy	812	0,903	7172	3208068	3208879	3214430	3215240	1.9
Ch01g_07b	CRM	GypsyCa_03	Gypsy	812	0,903	7213	3214430	3215240	3220869	3221643	1.9
Ch02d_58	CRM	GypsyCa_03	Gypsy	780	0,928	7539	24427290	24428069	24434064	24434829	1.9
Ch03b_18	CRM	GypsyCa_03	Gypsy	662	0,967	7550	9085304	9085965	9092193	9092853	1.3
Ch04b_42	CRM	GypsyCa_03	Gypsy	667	0,931	7615	29184183	29184849	29191132	29191798	2.8
Ch06a_92	CRM	GypsyCa_03	Gypsy	811	0,94	7736	32419713	32420523	32426638	32427449	2.5
Ch09e_33	CRM	GypsyCa_03	Gypsy	685	0,932	7707	19328554	19329238	19335574	19336261	2.7
Ch11c_07	CRM	GypsyCa_03	Gypsy	663	0,898	7396	24942391	24943053	24949122	24949787	4.0
Ch02a_31	Del/Tekay	GypsyCa_04	Gypsy	765	0,93	7218	20444502	20445266	20450955	20451720	3.0
Ch04d_10	Del/Tekay	GypsyCa_04	Gypsy	2118	0,89	9262	14434645	14436762	14441850	14443907	2.5
Ch10f_51	Del/Tekay	GypsyCa_04	Gypsy	2080	0,936	9230	22934329	22936408	22941447	22943559	2.0
Ch01a_01	Del/Tekay	GypsyCa_09	Gypsy	2572	0,997	10304	1163491	1166062	1171224	1173795	0.1
Ch01d_08	Del/Tekay	GypsyCa_09	Gypsy	2573	0,996	10305	5537018	5539590	5544752	5547323	0.2
Ch02e_21	Del/Tekay	GypsyCa_09	Gypsy	167	0,899	17576	6363730	6363896	6381139	6381306	4.0
Ch02e_34	Del/Tekay	GypsyCa_09	Gypsy	2568	0,985	10300	9849454	9852021	9857183	9859754	0.5
Ch02e_35	Del/Tekay	GypsyCa_09	Gypsy	2574	0,992	10306	9991172	9993745	9998907	10001478	0.3
Ch02e_48	Del/Tekay	GypsyCa_09	Gypsy	2573	0,998	10305	17703652	17706224	17711386	17713957	0.0
Ch02e_65	Del/Tekay	GypsyCa_09	Gypsy	2572	1	11726	24522039	24524610	24531194	24533765	0.0
Ch02e_72	Del/Tekay	GypsyCa_09	Gypsy	2571	0,999	10303	28054181	28056751	28061913	28064484	0.0
Ch03a_04	Del/Tekay	GypsyCa_09	Gypsy	2572	0,984	11962	1815155	1817726	1824551	1827117	0.5
Ch03a_11	Del/Tekay	GypsyCa_09	Gypsy	2574	0,997	10307	6449890	6452463	6457625	6460196	0.1
Ch04a_58	Del/Tekay	GypsyCa_09	Gypsy	2566	0,989	17191	26226462	26229027	26241082	26243653	0.3
Ch04b_16	Del/Tekay	GypsyCa_09	Gypsy	2572	0,999	12519	11083351	11085922	11093300	11095870	0.0
Ch04b_47	Del/Tekay	GypsyCa_09	Gypsy	2572	0,997	10304	31737857	31740428	31745590	31748161	0.1
Ch06a_12	Del/Tekay	GypsyCa_09	Gypsy	2572	0,977	10340	4319175	4321746	4326908	4329515	0.3
Ch06a_81	Del/Tekay	GypsyCa_09	Gypsy	2572	0,999	10304	28554149	28556720	28561882	28564453	0.0
Ch06a_90	Del/Tekay	GypsyCa_09	Gypsy	2567	0,989	13169	32346014	32348580	32356612	32359183	0.3
Ch06d_37	Del/Tekay	GypsyCa_09	Gypsy	2569	0,996	13893	34246608	34249176	34257930	34260501	0.1
Ch06d_38	Del/Tekay	GypsyCa_09	Gypsy	1389	0,998	9121	34251380	34252768	34259113	34260501	0.1
Ch06f_35	Del/Tekay	GypsyCa_09	Gypsy	2571	0,971	10317	20978885	20981455	20986617	20989202	0.8

Ch07b_01	Del/Tekay	GypsyCa_09	Gypsy	2572	0,999	10305	2527011	2529582	2534744	2537315	0.0
Ch08d_20	Del/Tekay	GypsyCa_09	Gypsy	2577	0,995	10309	13195362	13197938	13203100	13205671	0.1
Ch08d_27	Del/Tekay	GypsyCa_09	Gypsy	2557	0,975	12929	19418189	19420745	19428551	19431118	0.7
Ch09a_36	Del/Tekay	GypsyCa_09	Gypsy	2572	0,989	10304	12364703	12367274	12372436	12375007	0.4
Ch09a_61	Del/Tekay	GypsyCa_09	Gypsy	2501	0,989	10234	28593003	28595504	28600736	28603237	0.1
Ch09c_13	Del/Tekay	GypsyCa_09	Gypsy	2572	0,999	10304	14591482	14594053	14599215	14601786	0.0
Ch10b_15	Del/Tekay	GypsyCa_09	Gypsy	2571	0,992	10576	17947602	17950172	17955607	17958178	0.3
Ch10b_28	Del/Tekay	GypsyCa_09	Gypsy	2574	0,986	10304	35818252	35820825	35825987	35828556	0.5
Ch10e_05	Del/Tekay	GypsyCa_09	Gypsy	2572	0,979	12050	3776337	3778908	3785824	3788387	0.7
Ch10f_12	Del/Tekay	GypsyCa_09	Gypsy	2574	0,996	10306	7262729	7265302	7270464	7273035	1.2
Ch12a_36	Del/Tekay	GypsyCa_09	Gypsy	2571	0,994	11619	9843493	9846063	9852537	9855112	0.2
Ch03b_44	Del/Tekay	GypsyCa_13	Gypsy	2215	0,872	9853	23821958	23824172	23829603	23831810	5.5
Ch07f_19	Del/Tekay	GypsyCa_13	Gypsy	2371	0,883	9787	12018446	12020816	12025918	12028232	4.0
Ch09f_54	Del/Tekay	GypsyCa_13	Gypsy	177	0,932	8251	30912480	30912656	30920555	30920731	3.0
Ch03c_03	Del/Tekay	GypsyCa_13	Gypsy	379	0,921	9799	1849678	1852037	1857118	1859477	3.2
Ch01b_57	Del/Tekay	GypsyCa_13	Gypsy	2321	0,909	9650	28308118	28310438	28315486	28317768	3.2
Ch01c_03	Del/Tekay	GypsyCa_13	Gypsy	2540	0,862	10299	1385131	1387670	1392846	1395430	5.3
Ch01c_05	Del/Tekay	GypsyCa_13	Gypsy	1275	0,869	8724	3118104	3119378	3125520	3126828	4.7
Ch01c_21	Del/Tekay	GypsyCa_13	Gypsy	2357	0,908	9737	14326474	14328830	14333857	14336211	3.3
Ch01d_18	Del/Tekay	GypsyCa_13	Gypsy	2357	0,907	9708	16556925	16559281	16564294	16566633	0.0
Ch01h_02	Del/Tekay	GypsyCa_13	Gypsy	2467	0,877	10068	1324520	1326986	1332069	1334588	4.6
Ch01h_26	Del/Tekay	GypsyCa_13	Gypsy	2656	0,903	10861	21325871	21328526	21334006	21336732	3.0
Ch01h_31	Del/Tekay	GypsyCa_13	Gypsy	2323	0,895	9682	27952972	27955294	27960348	27962654	4.2
Ch04b_20	Del/Tekay	GypsyCa_13	Gypsy	756	0,917	8591	12111254	12112009	12119102	12119845	2.8
Ch04c_32	Del/Tekay	GypsyCa_13	Gypsy	2361	0,9	9780	32848113	32850473	32855534	32857893	3.7
Ch05c_13	Del/Tekay	GypsyCa_13	Gypsy	2290	0,902	9590	21755246	21757535	21762537	21764835	0.1
Ch05e_17	Del/Tekay	GypsyCa_13	Gypsy	2320	0,916	9643	22693162	22695481	22700467	22702804	3.2
Ch06a_100	Del/Tekay	GypsyCa_13	Gypsy	2387	0,913	9826	34640978	34643364	34648404	34650804	2.9
Ch06a_61	Del/Tekay	GypsyCa_13	Gypsy	2377	0,932	9021	21057270	21059646	21063922	21066291	2.6
Ch06a_75	Del/Tekay	GypsyCa_13	Gypsy	2237	0,895	9506	26713542	26715778	26720756	26723048	3.4
Ch06c_04	Del/Tekay	GypsyCa_13	Gypsy	2647	0,901	10266	1968722	1971368	1976386	1978988	3.3
Ch06e_13	Del/Tekay	GypsyCa_13	Gypsy	321	0,925	7138	13104812	13105132	13111629	13111950	3.1
Ch06f_34	Del/Tekay	GypsyCa_13	Gypsy	2950	0,919	11054	20650117	20653066	20658224	20661171	3.3
Ch07e_06	Del/Tekay	GypsyCa_13	Gypsy	1572	0,91	9613	8173293	8174864	8181333	8182905	3.8
Ch08a_10	Del/Tekay	GypsyCa_13	Gypsy	2356	0,898	9723	8629351	8631706	8636709	8639074	4.1
Ch08b_08	Del/Tekay	GypsyCa_13	Gypsy	2846	0,905	10724	7089590	7092435	7097455	7100314	3.7
Ch08c_28	Del/Tekay	GypsyCa_13	Gypsy	2638	0,915	10505	19076733	19079370	19084621	19087238	3.3
Ch09a_56	Del/Tekay	GypsyCa_13	Gypsy	2436	0,923	9895	27347092	27349527	27354534	27356987	2.8

Ch09b_04	Del/Tekay	GypsyCa_13	Gypsy	2694	0,914	10581	3399632	3402325	3407517	3410213	3.5
Ch09b_13	Del/Tekay	GypsyCa_13	Gypsy	2292	0,913	9624	9693521	9695812	9700866	9703145	3.2
Ch09b_43	Del/Tekay	GypsyCa_13	Gypsy	485	0,934	7874	36187480	36187964	36194870	36195354	2.7
Ch09b_44	Del/Tekay	GypsyCa_13	Gypsy	2747	0,899	10553	39413148	39415894	39420899	39423701	3.5
Ch09c_30	Del/Tekay	GypsyCa_13	Gypsy	1139	0,903	8516	30038946	30040084	30046313	30047462	0.1
Ch09d_05	Del/Tekay	GypsyCa_13	Gypsy	2283	0,879	9607	9090026	9092308	9097341	9099633	1.0
Ch09d_22	Del/Tekay	GypsyCa_13	Gypsy	2414	0,904	9414	27328376	27330789	27335375	27337790	1.8
Ch09e_35	Del/Tekay	GypsyCa_13	Gypsy	2364	0,917	9802	19599383	19601746	19606802	19609185	2.9
Ch09f_27	Del/Tekay	GypsyCa_13	Gypsy	2371	0,89	10028	15771283	15773653	15778911	15781311	3.9
Ch03e_36	Del/Tekay	GypsyCa_13	Gypsy	2534	0,894	10175	32696504	32699037	32704166	32706678	4.2
Ch12a_67	Del/Tekay	GypsyCa_13	Gypsy	2630	0,897	10415	26997975	27000604	27005750	27008390	4.2
Ch11a_59	Del/Tekay	GypsyCa_13	Gypsy	2376	0,922	9822	28698876	28701251	28706302	28708698	2.5
Ch12c_15	Del/Tekay	GypsyCa_13	Gypsy	2261	0,894	9961	7648604	7650864	7656336	7658565	3.8
Ch10a_36	Del/Tekay	GypsyCa_13	Gypsy	2303	0,866	9498	14694032	14696334	14701217	14703530	3.0
Ch10d_30	Del/Tekay	GypsyCa_13	Gypsy	2292	0,923	9644	30539655	30541946	30547010	30549299	2.6
Ch11a_48	Del/Tekay	GypsyCa_13	Gypsy	2556	0,887	10306	21447542	21450097	21455251	21457848	4.2
Ch12a_13	Del/Tekay	GypsyCa_13	Gypsy	2545	0,91	10295	1366635	1369179	1374347	1376930	3.1
Ch12a_44	Del/Tekay	GypsyCa_13	Gypsy	2724	0,905	10509	16440953	16443676	16448738	16451462	4.0
Ch12b_22	Del/Tekay	GypsyCa_13	Gypsy	710	0,883	8641	16197750	16198459	16205681	16206391	5.0
Ch12e_06	Del/Tekay	GypsyCa_13	Gypsy	876	0,922	8170	7685259	7686134	7692550	7693429	3.0
Ch05b_36	Del/Tekay	GypsyCa_13	Gypsy	2444	0,913	9816	24240022	24242465	24247389	24249837	0.1
Ch12b_34	Del/Tekay	GypsyCa_19	Gypsy	335	0,871	7593	21771489	21771823	21778749	21779082	1.8
Ch12b_35	Del/Tekay	GypsyCa_19	Gypsy	1065	0,95	8363	21771837	21772901	21779136	21780200	2.0
Ch05d_24	Del/Tekay	-monotypic	Gypsy	140	0,95	8141	28926944	28927083	28934945	28935084	2.6
Ch11a_28	Del/Tekay	-monotypic	Gypsy	2299	0,946	10107	9884625	9886923	9892445	9894732	1.9
Ch02d_51	Galadriel	GypsyCa_02	Gypsy	555	0,984	5925	21957299	21957853	21962670	21963224	0.7
Ch04f_16	Galadriel	GypsyCa_02	Gypsy	546	0,982	6040	15300221	15300766	15305716	15306261	0.7
Ch06a_54	Galadriel	GypsyCa_02	Gypsy	554	0,946	5791	18710611	18711164	18715848	18716402	2.1
Ch06b_34	Galadriel	GypsyCa_02	Gypsy	558	0,964	5882	19176928	19177485	19182252	19182810	1.3
Ch07f_16	Galadriel	GypsyCa_02	Gypsy	555	0,891	5995	8323369	8323923	8328765	8329363	1.6
Ch02a_07	Reina	GypsyCa_14	Gypsy	322	1	4994	4230611	4230932	4235284	4235605	0.0
Ch03g_52	Reina	GypsyCa_14	Gypsy	322	0,994	4996	23063846	23064167	23068520	23068841	0.2
Ch06f_38	Reina	GypsyCa_14	Gypsy	323	1	4996	23335123	23335445	23339797	23340119	0.0
Ch08d_23	Reina	GypsyCa_14	Gypsy	323	1	4996	15620708	15621030	15625382	15625704	0.0
Ch09f_73	Reina	GypsyCa_14	Gypsy	322	1	4997	40508771	40509092	40513447	40513768	0.0
Ch03a_94	Reina	GypsyCa_15	Gypsy	385	0,964	5253	38609117	38609501	38613987	38614369	1.2
Ch08c_38	Reina	GypsyCa_15	Gypsy	386	0,948	5292	27437633	27438018	27442543	27442925	1.8
Ch03a_05	Reina	-monotypic	Gypsy	426	0,939	5440	1870120	1870545	1875135	1875560	2.5

Ch03a_41	Reina	-monotypic	Gypsy	296	0,943	5444	18547823	18547823 8	18552979	18553266	1.2
Ch03g_96	Reina	-monotypic	Gypsy	314	0,93	5220	38656662	38656975	38661567	38661881	2.8
Ch04a_43	Reina	-monotypic	Gypsy	330	0.942	5179	18042361	18042690	18047212	18047540	2.2
Ch06e_21	Reina	-monotypic	Gypsy	323	0.96	5462	18734543	18734865	18739683	18740005	1.6
Ch09f_57	Reina	-monotypic	Gypsy	462	0,972	5542	32853794	32854255	32858877	32859336	1.0
Ch05a_58	Reina	-monotypic	Gypsy	426	0,93	5247	32160737	32161162	32165568	32165983	2.0
Ch05e_34	Reina	-monotypic	Gypsy	426	0,934	5288	35792694	35793119	35797556	35797981	2.7
Ch09f_24	Reina	-monotypic	Gypsy	426	0,946	5268	12458491	12458916	12463334	12463759	2.2
Ch09f_70	Reina	-monotypic	Gypsy	399	0,975	5027	38315685	38316083	38320314	38320712	1.1
Ch02e_84	Reina	-monotypic	Gypsy	310	0.905	5111	31090272	31090581	31095048	31095383	0.8
Ch03a_23	Reina	-monotypic	Gypsy	454	0,969	5433	9283390	9283843	9288367	9288822	1.0
Ch04b_28	Reina	-monotypic	Gypsy	444	0.941	5247	19287771	19288214	19292575	19293018	2.5
Ch12a_43	Reina	-monotypic	Gypsy	328	0,964	5229	15851567	15851894	15856468	15856796	1.5
Ch10f_29	Reina	-monotypic	Gypsy	384	0,94	5381	15170179	15170562	15175177	15175560	2.5
Ch08d_60	Tat	-monotypic	Gypsy	813	0.911	11953	31945656	31946468	31956730	31957609	4.7
Ch12f_40	Tat	-monotypic	Gypsy	1505	1	11815	30427056	30428560	30437360	30438871	0.0