

Clustering summary

If you use RepeatExplorer in your work please cite:

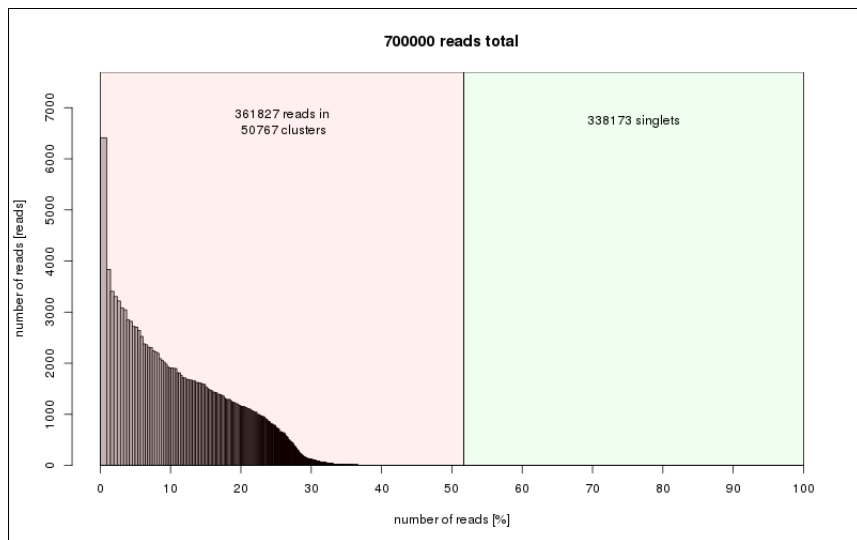
Novak, P., Neumann, P., Pech, J., Steinhaisl, J., Macas, J. (2013) - [RepeatExplorer: a Galaxy-based web server for genome-wide characterization of eukaryotic repetitive elements from next generation sequence reads](#), *Bioinformatics* 29:792-793.

or
Novak, P., Neumann, P., Macas, J. (2010) - [Graph-based clustering and characterization of repetitive sequences in next-generation sequencing data](#), *BMC Bioinformatics* 11:378.

Sequence clustering results

Number of sequences used for clustering: 7e+05

Number of similarity hits: 7516066


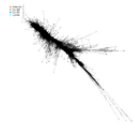



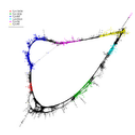
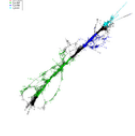










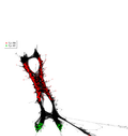



Disclaimer


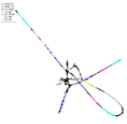
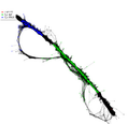





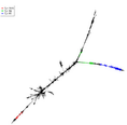
Automatic classification is experimental feature and work in progress and the results should be used with caution!

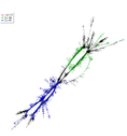





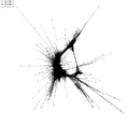
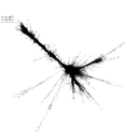


Top clusters






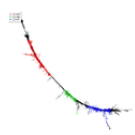



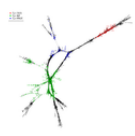

cluster	total cluster length [bp]	number of reads	Genome proportion [%]	cumulative GP [%]	Automatic classification	Super cluster	Repeat Masker	Protein domain hits	blastn hits	Layout	Portion of similarity hits to other clusters [%]	Outside reads with similarity [%]
1	CL1	961950	6413	0.916	0.92	Not available	Not available	LTR.Gypsy (277hits, 2.71%) Simple_repeat (141hits, 0.65%) Low_complexity (81hits, 0.38%) LTR.Copia (4hits, 0.0211%) DNA.MULE.MuDR (1hits, 0.0078%) DNA.hAT.Tip100 (1hits, 0.00468%) Simple_repeat (300hits, 2.03%) LTR.Gypsy (128hits, 1.78%) Low_complexity (36hits, 0.3%)	DTA-CD1 NA NA (1 hits 0.0156%) LINE-ENDO NA NA (1 hits 0.0156%) LINE-RT NA NA (1 hits 0.0156%) Ty3-RH Ty3/gypsy chromovirus (1 hits 0.0156%) Ty3-RT Ty3/gypsy Athila (1 hits 0.0156%)		1.4850	5.380
2	CL2	575250	3835	0.548	1.46	Not available	Not available	DNA.CMC.EnSpm (3hits, 0.0389%) DNA.MULE.MuDR (2hits, 0.0236%) RC.Helitron (1hits, 0.0151%) LTR.Copia (2hits, 0.015.....)	Ty1-RH Ty1/copia Tork (1 hits 0.0261%)		0.0187	0.157
3	CL3	511050	3407	0.487	1.95	Not available	Not available	LTR.Copia (1644hits, 35.1%) LTR.Gypsy (30hits, 0.253%) Simple_repeat (6hits, 0.0636%) DNA.CMC.EnSpm (2hits, 0.0311%) Low_complexity (2hits, 0.0188%) DNA.P (1hits, 0.00939%)	DTC-CD1 NA NA (2 hits 0.0587%) Ty3-INT Ty3/gypsy Athila (2 hits 0.0587%) Ty1-INT Ty1/copia Tork (1 hits 0.0294%) Ty3-GAG Ty3/gypsy Athila (1 hits 0.0294%) Ty3-INT Ty3/gypsy Ogre/Tat (1 hits 0.0294%)		3.1540	13.710
4	CL4	495600	3304	0.472	2.42	Not available	Not available	LINE.L1 (1789hits, 44.5%) Simple_repeat (18hits, 0.112%) Low_complexity (7hits, 0.068%) DNA.CMC.EnSpm (4hits, 0.0369%) LTR.Copia (2hits,	LINE-RT NA NA (674 hits 20.4%) LINE-ENDO NA NA (251 hits 7.6%) DHH-CD1 NA NA (1 hits 0.0303%)		0.0000	0.000


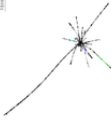






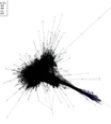

							0.0254%) Satellite (1hits, 0.0119%)												
5	CL5	482550 3217	0.460	2.88	Not available	Not available	LTR.Copia (2331hits, 56.7%) Simple_repeat (4hits, 0.0317%)	Ty1-RT Ty1/copia Angela (2 hits 0.0622%)			4.5200	20.920							
6	CL6	462450 3083	0.440	3.32	Not available	Not available	LTR.Copia (224hits, 3.43%) LTR.Gypsy (7hits, 0.0787%) Simple_repeat (9hits, 0.0722%) Low_complexity (2hits, 0.0195%)	Ty1-RT Ty1/copia AleII (2 hits 0.0649%) DTM-CD1 NA NA (1 hits 0.0324%) Ty1-INT Ty1/copia AleII (1 hits 0.0324%) Ty1-INT Ty1/copia Angela (1 hits 0.0324%) Ty1-RT Ty1/copia Maximus/SIRE (1 hits 0.0324%) Ty3-.....			3.5370	10.740							
7	CL7	456600 3044	0.435	3.76	Not available	Not available	Simple_repeat (57hits, 0.61%) LTR.Gypsy (25hits, 0.299%) Low_complexity (18hits, 0.191%) LTR.Copia (1hits, 0.0129%)	Ty3-INT Ty3/gypsy Athila (1 hits 0.0329%) Ty3-INT Ty3/gypsy Ogre/Tat (1 hits 0.0329%)	organelle/plastid (1 hits 0.0329%)		2.7140	16.330							
8	CL8	427350 2849	0.407	4.16	Not available	Not available	LTR.Copia (1410hits, 42.8%) Simple_repeat (126hits, 1.37%) DNA.hAT.Ac (8hits, 0.17%) Low_complexity (9hits, 0.155%) LTR.Gypsy (4hits, 0.0644%) Satellite (1hits, 0.00702%)	Ty1-RT Ty1/copia Bianca (424 hits 14.9%) Ty1-RH Ty1/copia Bianca (215 hits 7.55%) LINE-RT NA NA (1 hits 0.0351%) Ty1-RT Ty1/copia AleI/Retrofit (1 hits 0.0351%)	organelle/mitochondria (1 hits 0.0351%)		0.0046	0.035							
9	CL9	423000 2820	0.403	4.57	Not available	Not available	LTR.Gypsy (640hits, 15.5%) Simple_repeat (89hits, 0.681%) Low_complexity (16hits, 0.213%) LTR.Copia (1hits, 0.0229%)	DTC-CD1 NA NA (1 hits 0.0355%) Ty3-RH Ty3/gypsy chromovirus (1 hits 0.0355%) Ty3-RT Ty3/gypsy chromovirus (1 hits 0.0355%)			1.1710	9.043							
10	CL10	407850 2719	0.388	4.96	Not available	Not available	LTR.Gypsy (1999hits, 62.5%) LTR.Copia (36hits, 0.563%) Simple_repeat (2hits, 0.0184%) Low_complexity (1hits, 0.0108%) rRNA (1hits, 0.00662%)	Ty3-INT Ty3/gypsy chromovirus (436 hits 16%) Ty3-RT Ty3/gypsy chromovirus (304 hits 11.2%) Ty3-GAG Ty3/gypsy chromovirus (220 hits 8.09%) Ty3-RH Ty3/gypsy chromovirus (165 hits 6.07%) Ty3-PROT Ty3/gypsy chrom..... Ty3-INT Ty3/gypsy Athila (1228 hits 45.4%) Ty3-RH Ty3/gypsy Athila (449 hits 16.6%) Ty3-RT Ty3/gypsy Athila (167 hits 6.17%) Ty3-GAG Ty3/gypsy chromovirus (1 hits 0.037%) Ty3-INT Ty3/gypsy Ogre/Tat (1 hits 0.037%)	organelle/mitochondria (15 hits 0.552%)		0.1122	0.515							
11	CL11	405750 2705	0.386	5.34	Not available	Not available	LTR.Gypsy (2713hits, 89%) LTR.Copia. (133hits, 1.8%) Low_complexity (4hits, 0.0762%) Simple_repeat (4hits, 0.0518%) LTR (1hits, 0.0325%)	Ty3-INT Ty3/gypsy Athila (1228 hits 45.4%) Ty3-RH Ty3/gypsy Athila (449 hits 16.6%) Ty3-RT Ty3/gypsy Athila (167 hits 6.17%) Ty3-GAG Ty3/gypsy chromovirus (1 hits 0.037%) Ty3-INT Ty3/gypsy Ogre/Tat (1 hits 0.037%)	organelle/mitochondria (4 hits 0.148%) organelle/plastid (1 hits 0.037%)		0.6020	2.625							
12	CL12	396150 2641	0.377	5.72	Not available	Not available	Simple_repeat (48hits, 0.42%) Low_complexity (12hits, 0.147%) LTR.Gypsy (1hits, 0.0212%) LTR.Copia. (2hits, 0.0202%) DNA.CMC.EnSpm (2hits, 0.0187%) DNA.MULE.MuDR (1hits, 0.0159%)				0.3460	1.250							
13	CL13	378600 2524	0.361	6.08	Not available	Not available	LTR.Gypsy (107hits, 2.07%) Low_complexity (64hits, 1.12%) Simple_repeat (65hits, 0.875%)	Ty3-RT Ty3/gypsy Athila (2 hits 0.0792%) Ty3-GAG Ty3/gypsy Athila (1 hits 0.0396%) Ty3-INT Ty3/gypsy	organelle/mitochondria (1 hits 0.0396%)		2.8120	22.820							











								LTR.Copia (3hits, 0.0338%)	Athila (1 hits 0.0396%)				
14	CL14	356700 2378	0.340	6.42	Not available	Not available	LTR.Copia (882hits, 27%) Simple_repeat (41hits, 0.513%) LTR.Gypsy (2hits, 0.0252%) DNA.CMC.EnSpm (1hits, 0.0154%)	Ty1-GAG Ty1/copia Angela (380 hits 16%) DHH-CD2 NA NA (1 hits 0.0421%) Ty1-INT Ty1/copia AleI/Retrofit (1 hits 0.0421%)		1.1670	3.911		
15	CL15	353850 2359	0.337	6.76	Not available	Not available	LTR.Gypsy (497hits, 14.1%) Simple_repeat (80hits, 0.832%) Low_complexity (50hits, 0.707%) LTR.Copia (15hits, 0.239%) DNA.CMC.EnSpm (1hits, 0.0147%)	DTM-CD1 NA NA (2 hits 0.0848%) Ty1-INT Ty1/copia Angela (2 hits 0.0848%) Ty1-RT Ty1/copia Angela (1 hits 0.0424%) Ty1-RT Ty1/copia Tork (1 hits 0.0424%) Ty3-RH Ty3/gypsy chromovirus (1 hits 0.0424%)		0.0663	0.466		
16	CL16	346650 2311	0.330	7.09	Not available	Not available	LTR.Copia (611hits, 17.1%) Simple_repeat (47hits, 0.637%) LTR.Gypsy (16hits, 0.243%)	Ty3-INT Ty3/gypsy Ogre/Tat (7 hits 0.303%) Ty1-RH Ty1/copia Angela (1 hits 0.0433%)		6.9220	20.770		
17	CL17	345750 2305	0.329	7.42	Not available	Not available	LTR.Copia (1625hits, 61.4%) Simple_repeat (49hits, 0.649%) Low_complexity (10hits, 0.141%) LTR.Gypsy (1hits, 0.0142%)	Ty1-INT Ty1/copia Angela (550 hits 23.9%) Ty1-GAG Ty1/copia Angela (336 hits 14.6%) Ty1-PROT Ty1/copia Angela (224 hits 9.72%)		2.0640	8.416		
18	CL18	336300 2242	0.320	7.74	Not available	Not available	LTR.Copia (2200hits, 92%) LTR.Gypsy (2hits, 0.0274%)	Ty1-RT Ty1/copia Angela (1879 hits 83.8%) Ty1-RT Ty1/copia AleI/Retrofit (1 hits 0.0446%) Ty1-RT Ty1/copia AleII (1 hits 0.0446%)		4.4030	12.310		
19	CL19	332850 2219	0.317	8.05	Not available	Not available	rRNA (961hits, 38.3%)	45S_rDNA/18S_rDNA (937 hits 42.2%) organelle/mitochondria (13 hits 0.586%)		2.8550	8.157		
20	CL20	329100 2194	0.313	8.37	Not available	Not available	LTR.Copia (2116hits, 90.6%) LTR.Gypsy (2hits, 0.0249%) LTR (1hits, 0.0188%)	Ty1-RH Ty1/copia Angela (1033 hits 47.1%) Ty1-RT Ty1/copia Angela (208 hits 9.48%)		6.2240	17.180		
21	CL21	313350 2089	0.298	8.67	Not available	Not available	Simple_repeat (104hits, 1.46%) LTR.Copia (95hits, 0.893%) LTR.Gypsy (3hits, 0.0654%) rRNA (2hits, 0.0453%) Low_complexity (3hits, 0.0329%) DNA.MULE.MuDR (1hits, 0.023%) DNA.MULE.MuDR (1hits, 0.014%)	DTM-CD1 NA NA (1 hits 0.0479%) Ty1-GAG Ty1/copia Bianca (1 hits 0.0479%) Ty1-INT Ty1/copia Angela (1 hits 0.0479%) Ty3-GAG Ty3/gypsy Athila (1 hits 0.0479%)	45S_rDNA/18S_rDNA (2 hits 0.0957%)		0.5733	5.026	
22	CL22	308850 2059	0.294	8.96	Not available	Not available	LTR.Gypsy (1575hits, 69.8%) Low_complexity (53hits, 1.07%) Simple_repeat (50hits, 0.923%) DNA.CMC.EnSpm (1hits, 0.0133%)	Ty3-RT Ty3/gypsy Athila (524 hits 25.4%) Ty3-PROT Ty3/gypsy Athila (320 hits 15.5%) Ty3-PROT Ty3/gypsy Ogre/Tat (7 hits 0.34%) LINE-RT NA NA (1 hits 0.0486%)	organelle/plastid (4 hits 0.194%)		0.7264	3.788	
23	CL23	303000 2020	0.289	9.25	Not available	Not available	LTR.Gypsy (643hits, 18%) Low_complexity (30hits, 0.5%) Simple_repeat (25hits, 0.383%) DNA.PIF.Harbinger (5hits, 0.0604%)	Ty3-GAG Ty3/gypsy Athila (454 hits 22.5%)	organelle/mitochondria (1 hits 0.0495%)		0.5129	2.624	









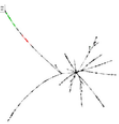
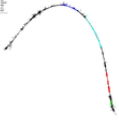

							LINE.L1 (1hits, 0.0182%) DNA.CMC.EnSpm (1hits, 0.0155%)												
24	CL24	297150	1981	0.283	9.53	Not available	Not available	LTR.Gypsy (259hits, 8.37%) LTR.Copia (13hits, 0.536%) Simple_repeat (31hits, 0.414%) Low_complexity (22hits, 0.31%) DNA.MULE.MuDR (1hits, 0.0158%) rRNA (1hits, 0.0138%)	Ty1-RH Ty1/copia Ivana/Oryco (9 hits 0.454%) DTM-CD1 NA NA (1 hits 0.0505%) Ty1-RT Ty1/copia Angela (1 hits 0.0505%) Ty1-RT Ty1/copia Ivana/Oryco (1 hits 0.0505%)	organelle/mitochondria (2 hits 0.101%)		0.3186	2.625						
25	CL25	288600	1924	0.275	9.81	Not available	Not available	LTR.Copia (1576hits, 70.4%) Simple_repeat (9hits, 0.119%) LTR.Gypsy (4hits, 0.0894%) LTR.Caulimovirus (4hits, 0.087%) LINE.L1 (2hits, 0.044%) LTR (1hits, 0.0326%) DNA.PIF.Harbinger (1hits, 0.0118%)	Ty1-INT Ty1/copia Tork (258 hits 13.4%) Ty1-GAG Ty1/copia Tork (206 hits 10.7%) Ty1-RT Ty1/copia Tork (158 hits 8.21%) Ty1-PROT Ty1/copia Tork (107 hits 5.56%) Ty1-RH Ty1/copia Tork (68 hits 3.53%) DTM-CD1.....	organelle/mitochondria (13 hits 0.676%)		0.2428	0.676						
26	CL26	286350	1909	0.273	10.10	Not available	Not available	LTR.Copia (1739hits, 85.5%)	Ty1-INT Ty1/copia Angela (934 hits 48.9%) Ty1-PROT Ty1/copia Angela (325 hits 17%) LINE-RT NA NA (1 hits 0.0524%)			3.2140	12.410						
27	CL27	285600	1904	0.272	10.40	Not available	Not available	Simple_repeat (109hits, 1.33%) Low_complexity (30hits, 0.483%) LTR.Copia (1hits, 0.0119%)		organelle/plastid (1975 hits 104%) organelle/mitochondria (153 hits 8.04%)		0.8263	3.624						
28	CL28	285000	1900	0.271	10.60	Not available	Not available	rRNA (1889hits, 96.9%) Simple_repeat (1hits, 0.0151%)		45S_rDNA/18S_rDNA (1881 hits 99%) 45S_rDNA/25S_rDNA (1 hits 0.0526%)		2.2690	4.579						
29	CL29	284100	1894	0.271	10.90	Not available	Not available	Simple_repeat (101hits, 1.29%) Low_complexity (27hits, 0.479%) LTR.Copia (11hits, 0.367%)	Ty1-RH Ty1/copia AleI/Retrofit (10 hits 0.528%)	organelle/plastid (1490 hits 78.7%) organelle/mitochondria (354 hits 18.7%)		0.5818	2.218						
30	CL30	271950	1813	0.259	11.20	Not available	Not available	DNA.CMC.EnSpm (90hits, 1.7%) Simple_repeat (3hits, 0.068%)		organelle/plastid (3680 hits 203%)		1.4290	5.681						
31	CL31	271500	1810	0.259	11.40	Not available	Not available	LTR.Gypsy (89hits, 1.19%) Simple_repeat (31hits, 0.542%) Low_complexity (8hits, 0.149%)		organelle/plastid (3368 hits 186%) organelle/mitochondria (1 hits 0.0552%)		0.8964	4.420						
32	CL32	263850	1759	0.251	11.70	Not available	Not available	LTR.Copia (1029hits, 50.4%) Simple_repeat (31hits, 0.456%) Low_complexity (22hits, 0.352%) LTR.Gypsy (7hits, 0.121%)	Ty1-RT Ty1/copia TAR (157 hits 8.93%) Ty1-RH Ty1/copia TAR (88 hits 5%) Ty1-GAG Ty1/copia TAR (44 hits 2.5%) Ty1-RT Ty1/copia AleII (7 hits 0.398%) Ty1-RT Ty1/copia AleI/Retrofit (5 hits 0.284%)			0.0408	0.341						




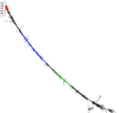





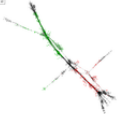
33	CL33	258000 1720	0.246	11.90	Not available	Not available	LTR.Copia (1549hits, 83.6%) Simple_repeat (32hits, 0.454%) LINE.L1 (3hits, 0.13%)	Ty1-RH Ty1..... Ty1-RT Ty1/copia AleII (688 hits 40%) Ty1-RH Ty1/copia AleII (404 hits 23.5%) Ty1-RT Ty1/copia Ivana/Oryco (21 hits 1.22%) LINE-RT NA NA (4 hits 0.233%) Ty1-RT Ty1/copia Tork (4 hits 0.233%) Ty1-RT Ty1/cop.....	organelle/mitochondria (97 hits 5.64%)		0.1617	0.930
34	CL34	257100 1714	0.245	12.20	Not available	Not available	Simple_repeat (189hits, 2.73%) LTR.Copia (22hits, 0.499%) DNA.CMC.EnSpm (39hits, 0.497%)	DTM-CD1 NA NA (3 hits 0.175%) Ty1-RT Ty1/copia Ivana/Oryco (1 hits 0.0583%)	organelle/plastid (1608 hits 93.8%) organelle/mitochondria (80 hits 4.67%)		0.3056	1.109
35	CL35	253050 1687	0.241	12.40	Not available	Not available	Simple_repeat (68hits, 0.833%) Low_complexity (13hits, 0.246%) LTR.Gypsy (1hits, 0.0126%)		organelle/plastid (1585 hits 94%) organelle/mitochondria (135 hits 8%)		0.2489	1.897
36	CL36	252300 1682	0.240	12.60	Not available	Not available	Simple_repeat (126hits, 1.73%) LTR.Copia (1hits, 0.019%) Low_complexity (1hits, 0.0123%)		organelle/plastid (1568 hits 93.2%) organelle/mitochondria (132 hits 7.85%)		0.3549	1.962
37	CL37	250800 1672	0.239	12.90	Not available	Not available	LTR.Gypsy (492hits, 20.6%) Simple_repeat (69hits, 0.953%) Low_complexity (28hits, 0.638%) LTR.Copia. (7hits, 0.141%) LTR (1hits, 0.0459%)	DTM-CD1 NA NA (1 hits 0.0598%) LINE-ENDO NA NA (1 hits 0.0598%)			1.0030	7.177
38	CL38	250200 1668	0.238	13.10	Not available	Not available	Simple_repeat (89hits, 1.32%) Low_complexity (1hits, 0.0136%)		organelle/plastid (3286 hits 197%) organelle/mitochondria (36 hits 2.16%)		1.8510	5.156
39	CL39	248250 1655	0.236	13.30	Not available	Not available	LTR.Gypsy (122hits, 4.06%) Simple_repeat (76hits, 1.57%) Low_complexity (55hits, 1.5%) LTR.Copia (11hits, 0.251%)	Ty1-INT Ty1/copia Ivana/Oryco (1 hits 0.0604%) Ty1-RT Ty1/copia Angela (1 hits 0.0604%) Ty3-RH Ty3/gypsy Athila (1 hits 0.0604%)			2.9970	14.800
40	CL40	247500 1650	0.236	13.60	Not available	Not available	LTR.Gypsy (318hits, 12.6%) Simple_repeat (42hits, 0.768%) Low_complexity (15hits, 0.339%) LTR.Copia (8hits, 0.191%)	Ty3-RT Ty3/gypsy Athila (2 hits 0.121%) Ty1-INT Ty1/copia AleII (1 hits 0.0606%)			0.4266	5.455
41	CL41	243450 1623	0.232	13.80	Not available	Not available	Simple_repeat (89hits, 1.04%)		organelle/plastid (3235 hits 199%) organelle/mitochondria (59 hits 3.64%)		1.1920	4.559
42	CL42	243000 1620	0.231	14.00	Not available	Not available	rRNA (146hits, 4.84%) LTR.Gypsy (97hits, 1.93%)	Ty3-RH Ty3/gypsy Athila (4 hits 0.247%) Ty1-RT Ty1/copia Angela (3 hits 0.185%)	organelle/plastid (3098 hits 191%) organelle/mitochondria (82 hits 5.06%)		1.3820	3.333




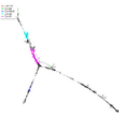
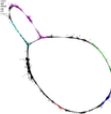



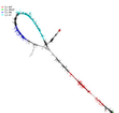
43	CL43	242700 1618	0.231	14.30	Not available	Not available	LTR.Copia (8hits, 0.183%) Simple_repeat (7hits, 0.119%)	Ty3-INT Ty3/gypsy Athila (2 hits 0.124%) Ty3-INT Ty3/gypsy chromovirus (2 hits 0.124%)		1.2150	7.169	
44	CL44	240600 1604	0.229	14.50	Not available	Not available	rRNA (1605hits, 98.5%) Simple_repeat (1hits, 0.0121%)	45S_rDNA/25S_rDNA (1601 hits 99.8%)		4.2430	11.160	
45	CL45	238350 1589	0.227	14.70	Not available	Not available	Simple_repeat (35hits, 0.684%) LTR.Gypsy (7hits, 0.369%) Low_complexity (2hits, 0.0537%)			0.9682	10.510	
46	CL46	237750 1585	0.226	15.00	Not available	Not available	Simple_repeat (83hits, 1.34%) Low_complexity (1hits, 0.0177%)	organelle/plastid (1571 hits 99.1%) organelle/mitochondria (1 hits 0.0631%)		0.9126	2.587	
47	CL47	230400 1536	0.219	15.20	Not available	Not available	rRNA (1346hits, 81.8%) Simple_repeat (71hits, 1.29%) Low_complexity (39hits, 0.557%)	45S_rDNA/25S_rDNA (1294 hits 84.2%)		2.7320	6.380	
48	CL48	225750 1505	0.215	15.40	Not available	Not available	LTR.Gypsy (1401hits, 84.6%) LTR.Copia. (11hits, 0.275%) Low_complexity (8hits, 0.205%) Simple_repeat (7hits, 0.13%)	Ty3-INT Ty3/gypsy Athila (471 hits 31.3%) Ty3-RT Ty3/gypsy Athila (329 hits 21.9%) Ty3-RH Ty3/gypsy Athila (174 hits 11.6%)	organelle/mitochondria (2 hits 0.133%)		0.0939	0.532
49	CL49	223050 1487	0.212	15.60	Not available	Not available	LTR.Gypsy (231hits, 9.46%) Simple_repeat (105hits, 1.91%) Low_complexity (45hits, 1.04%)	LINE-ENDO NA NA (1 hits 0.0672%) Ty3-INT Ty3/gypsy Athila (1 hits 0.0672%)		0.7380	7.196	
50	CL50	220350 1469	0.210	15.80	Not available	Not available	Low_complexity (22hits, 0.379%) Simple_repeat (20hits, 0.344%)	organelle/plastid (1599 hits 109%) organelle/mitochondria (1 hits 0.0681%)		0.5189	2.042	
51	CL51	218550 1457	0.208	16.00	Not available	Not available	Simple_repeat (195hits, 4.87%) LTR.Gypsy (23hits, 0.933%) LINE.L1 (20hits, 0.906%) Low_complexity (12hits, 0.31%)		organelle/plastid (1353 hits 92.9%) organelle/mitochondria (143 hits 9.81%)		0.6990	2.128
52	CL52	215100 1434	0.205	16.20	Not available	Not available	LTR.Copia (1128hits, 71.9%) Simple_repeat (19hits, 0.328%) LTR.Gypsy (14hits, 0.182%) Low_complexity (7hits, 0.127%)	Ty1-INT Ty1/copia AleII (526 hits 36.7%) Ty1-GAG Ty1/copia AleII (119 hits 8.3%) Ty1-PROT Ty1/copia AleII (100 hits 6.97%) Ty1-PROT Ty1/copia Maximus/SIRE (9 hits 0.628%) Ty1-INT Ty1/copia AleI/Retrofit (1 hits 0.072%)			0.0943	0.558
							LTR.Gypsy (623hits, 34.9%) Simple_repeat (17hits, 0.277%)	Ty3-GAG Ty3/gypsy Athila (209 hits 14.6%)				




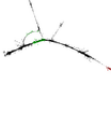



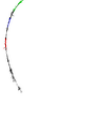


53	CL53	214350 1429	0.204	16.40	Not available	Not available	Low_complexity (7hits, 0.167%) LTR.Copia (3hits, 0.0569%) LTR.Copia (96hits, 6.01%) LTR.Gypsy (35hits, 1.51%) rRNA (12hits, 0.328%) Simple_repeat (16hits, 0.282%) Low_complexity (1hits, 0.0145%)	Ty3-RT Ty1/copia Athila (149 hits 10.4%) DTA-CD1 NA NA (1 hits 0.07%) Ty1-RT Ty1/copia Tork (44 hits 3.09%) Ty1-RH Ty1/copia Tork (19 hits 1.33%) Ty3-INT Ty3/gypsy chromovirus (16 hits 1.12%) Ty3-RT Ty3/gypsy Ogre/Tat (5 hits 0.351%) Ty1-RT Ty1/copia Angela (1 hits 0.0702%)	organelle/mitochondria (996 hits 69.9%) organelle/plastid (8 hits 0.561%)		0.1036	0.490
54	CL54	213750 1425	0.204	16.60	Not available	Not available	Simple_repeat (21hits, 0.682%) LTR.Copia (8hits, 0.157%)	organelle/plastid (1341 hits 96.3%) organelle/mitochondria (22 hits 1.58%)		0.0770	0.421	
55	CL55	208950 1393	0.199	16.80	Not available	Not available	Simple_repeat (21hits, 0.682%) LTR.Copia (8hits, 0.157%)	organelle/plastid (1341 hits 96.3%) organelle/mitochondria (22 hits 1.58%)		0.5524	2.584	
56	CL56	208650 1391	0.199	17.00	Not available	Not available	LTR.Gypsy (212hits, 8.6%) LTR.Copia (73hits, 1.83%) Simple_repeat (33hits, 0.928%) Low_complexity (26hits, 0.785%) LTR (13hits, 0.61%) DNA.MULE.MuDR (13hits, 0.215%) LINE.L1 (1hits, 0.0273%)	Ty3-GAG Ty3/gypsy Athila (86 hits 6.18%)	organelle/plastid (2770 hits 200%) organelle/mitochondria (2 hits 0.145%)		0.1283	1.078
57	CL57	207450 1383	0.198	17.20	Not available	Not available	LTR.Copia (247hits, 13.6%) rRNA (199hits, 8.49%) Simple_repeat (3hits, 0.067%)	organelle/plastid (2770 hits 200%) organelle/mitochondria (2 hits 0.145%)		1.5600	4.772	
58	CL58	205500 1370	0.196	17.40	Not available	Not available	Simple_repeat (155hits, 2.78%) LTR.Copia (73hits, 1.8%) Low_complexity (4hits, 0.0618%)				2.1300	7.372
59	CL59	203550 1357	0.194	17.60	Not available	Not available	LTR.Copia (100hits, 4.87%) Simple_repeat (31hits, 0.93%) Low_complexity (6hits, 0.167%) LTR.Gypsy (1hits, 0.0197%)	Ty1-GAG Ty1/copia Ivana/Oryco (1 hits 0.0737%) Ty1-RT Ty1/copia AleII (1 hits 0.0737%)	organelle/plastid (1366 hits 101%) organelle/mitochondria (17 hits 1.25%)		0.5066	2.137
60	CL60	197550 1317	0.188	17.80	Not available	Not available	Simple_repeat (156hits, 4.49%) Low_complexity (51hits, 1.4%)		organelle/plastid (1037 hits 78.7%) organelle/mitochondria (49 hits 3.72%)		0.5939	1.822
61	CL61	194100 1294	0.185	18.00	Not available	Not available	LTR.Copia (334hits, 16.1%) Simple_repeat (258hits, 8.99%) LTR.Gypsy (8hits, 0.361%)	Ty1-RH Ty1/copia Angela (29 hits 2.24%) Ty1-RT Ty1/copia AleII (2 hits 0.155%) DTM-CD1 NA NA (1 hits 0.0773%) Ty1-INT Ty1/copia Angela (1 hits 0.0773%) Ty1-INT Ty1/copia Tork (1 hits 0.0773%) Ty1-RT Ty1/co.....	organelle/plastid (2723 hits 211%) organelle/mitochondria (47 hits 3.64%)		11.9200	37.560
62	CL62	193800 1292	0.185	18.20	Not available	Not available	Simple_repeat (116hits, 2.72%)	Ty1-RT Ty1/copia AleII (1 hits 0.0774%)	organelle/plastid (2723 hits 211%) organelle/mitochondria (47 hits 3.64%)		2.5190	6.579

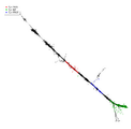
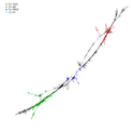



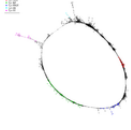


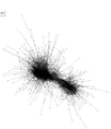

63	CL63	193350 1289	0.184	18.40	Not available	Not available	rRNA (1288hits , 98.5%)	45S_rDNA/25S_rDNA (1261 hits 97.8%)		4.2860	11.790	
64	CL64	193200 1288	0.184	18.50	Not available	Not available	Simple_repeat (123hits, 2.39%) Low_complexity (44hits, 0.822%)	organelle/plastid (1097 hits 85.2%) organelle/mitochondria (115 hits 8.93%)		0.7449	2.484	
65	CL65	188850 1259	0.180	18.70	Not available	Not available	DNA.MULE.MuDR (73hits , 3.19%) LTR.Copia (14hits, 0.686%) Low_complexity (17hits, 0.342%) Simple_repeat (2hits, 0.0381%)	organelle/plastid (1215 hits 96.5%) organelle/mitochondria (11 hits 0.874%)		1.0380	3.018	
66	CL66	185850 1239	0.177	18.90	Not available	Not available	LTR.Copia (47hits, 2.14%) Simple_repeat (59hits, 1.22%) Low_complexity (2hits, 0.127%)	organelle/plastid (1148 hits 92.7%) organelle/mitochondria (53 hits 4.28%)		0.6555	3.632	
67	CL67	185100 1234	0.176	19.10	Not available	Not available	Simple_repeat (27hits, 0.496%)	organelle/plastid (1417 hits 115%)		1.1850	3.566	
68	CL68	183600 1224	0.175	19.30	Not available	Not available	LINE-RT NA NA (2 hits 0.163%)	organelle/plastid (2458 hits 201%) organelle/mitochondria (1 hits 0.0817%)		2.0660	7.516	
69	CL69	181050 1207	0.172	19.40	Not available	Not available		organelle/plastid (2412 hits 200%)		2.9340	7.374	
70	CL70	180450 1203	0.172	19.60	Not available	Not available		organelle/plastid (1204 hits 100%)		0.7950	2.743	
71	CL71	177600 1184	0.169	19.80	Not available	Not available	LTR.Gypsy (223hits , 12.2%) Simple_repeat (36hits, 1.03%) Low_complexity (22hits, 0.681%) LTR.Copia (2hits, 0.0586%)	Ty1-RT Ty1/copia Angela (1 hits 0.0845%) Ty3-INT Ty3/gypsy Athila (1 hits 0.0845%)		0.4563	3.378	
72	CL72	175650 1171	0.167	19.90	Not available	Not available	LTR.Gypsy (582hits , 44%) Low_complexity (53hits, 2.18%) Simple_repeat (60hits, 2.05%) LTR.Copia (3hits, 0.13%)	Ty3-INT Ty3/gypsy chromovirus (139 hits 11.9%) Ty3-RT Ty3/gypsy chromovirus (123 hits 10.5%) Ty3-GAG Ty3/gypsy chromovirus (117 hits 9.99%) Ty3-RH Ty3/gypsy chromovirus (45 hits 3.84%) Ty3-PROT Ty3/gypsy chro.....	organelle/mitochondria (2 hits 0.171%)		0.0176	0.085

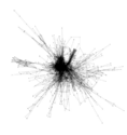








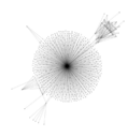
73	CL73	174300 1162	0.166	20.10	Not available	Not available	RC.Helitron (107hits, 6.98%)	organelle/plastid (1187 hits 102%)		1.0260	3.442
74	CL74	172950 1153	0.165	20.30	Not available	Not available	Low_complexity (10hits, 0.317%) Simple_repeat (10hits, 0.304%)	organelle/plastid (1207 hits 105%)		0.6096	2.082
75	CL75	172800 1152	0.165	20.40	Not available	Not available	Simple_repeat (100hits, 2.88%) Low_complexity (64hits, 2.24%) LTR.Gypsy (3hits, 0.111%)	organelle/plastid (2298 hits 200%) organelle/mitochondria (3 hits 0.261%)		4.0000	16.320
76	CL76	172650 1151	0.164	20.60	Not available	Not available	Simple_repeat (46hits, 1.1%) Low_complexity (1hits, 0.0423%) tRNA (1hits, 0.0376%)	organelle/plastid (975 hits 86%) organelle/mitochondria (168 hits 14.8%)		1.3610	5.560
77	CL77	170100 1134	0.162	20.80	Not available	Not available	LTR.Copia (5hits, 0.106%)	organelle/plastid (2269 hits 201%)		0.7505	3.175
78	CL78	169200 1128	0.161	20.90	Not available	Not available	LTR.Copia (319hits, 18.3%)	organelle/plastid (1039 hits 93.8%) organelle/mitochondria (17 hits 1.53%)		1.7400	4.965
79	CL79	166200 1108	0.158	21.10	Not available	Not available	DNA.hAT.Ac (47hits, 3.55%) Low_complexity (21hits, 0.481%) Simple_repeat (12hits, 0.288%)	organelle/plastid (2211 hits 200%) organelle/mitochondria (1 hits 0.0903%)		1.1150	3.610
80	CL80	166200 1108	0.158	21.20	Not available	Not available	Simple_repeat (2hits, 0.0403%)	organelle/plastid (114 hits 101%)		2.6390	7.852
81	CL81	164850 1099	0.157	21.40	Not available	Not available	LTR.Copia (109hits, 7.69%) DNA.CMC.EnSpm (21hits, 0.835%) LTR.Gypsy (4hits, 0.159%) Simple_repeat (2hits, 0.0388%)	Ty1-RT Ty1/copia unclass(AleI/Retrofit) (18 hits 1.64%) Ty1-RH Ty1/copia unclass(AleI/Retrofit) (13 hits 1.18%) Ty1-RT Ty1/copia AleII (13 hits 1.18%) Ty1-RH Ty1/copia Ivana/Oryco (12 hits 1.09%) Ty1-RT Ty1/c.....		0.0209	0.091
82	CL82	162150 1081	0.154	21.50	Not available	Not available	LTR.Copia (677hits, 58.5%) Simple_repeat (9hits, 0.194%) Low_complexity (4hits, 0.17%) LTR.Gypsy (1hits, 0.0234%)	Ty1-RT Ty1/copia Angela (109 hits 10.1%) Ty1-INT Ty1/copia Angela (102 hits 9.44%) Ty1-RH Ty1/copia Angela (77 hits 7.12%) Ty1-PROT Ty1/copia Angela (39 hits 3.61%) Ty1-RT Ty1/copia Tork (11 hits 1.02%) Ty.....		0.0326	0.278
83	CL83	160500 1070	0.153	21.70	Not available	Not available	LTR.Copia (243hits, 18.1%) Simple_repeat (111hits, 3.2%) Low_complexity (26hits, 0.629%) tRNA (1hits, 0.0349%)	organelle/plastid (1140 hits 107%)		0.4642	1.776

84	CL84	158850 1059	0.151	21.90	Not available	Not available	LTR.Copia (3hits, 0.124%)	organelle/plastid (2363 hits 223%)		2.1890	7.932
85	CL85	156750 1045	0.149	22.00	Not available	Not available	Simple_repeat (43hits, 1%) Low_complexity (15hits, 0.445%)	organelle/plastid (1048 hits 100%) organelle/mitochondria (19 hits 1.82%)		0.6549	2.679
86	CL86	156150 1041	0.149	22.10	Not available	Not available	Simple_repeat (31hits, 1.09%)	organelle/plastid (1016 hits 97.6%)		0.6719	1.921
87	CL87	156000 1040	0.149	22.30	Not available	Not available	LTR.Copia (793hits, 70.5%) Simple_repeat (18hits, 0.432%) Low_complexity (1hits, 0.0231%) Ty1-RT Ty1/copia Angela (251 hits 24.1%) Ty1-RH Ty1/copia Angela (108 hits 10.4%) Ty1-INT Ty1/copia Angela (70 hits 6.73%) Ty3-INT Ty3/gypsy chromovirus (9 hits 0.865%) Ty1-RT Ty1/copia Tork (6 hits 0.577%)	organelle/plastid (1012 hits 101%)		0.2604	1.346
88	CL88	149850 999	0.143	22.40	Not available	Not available	Simple_repeat (126hits, 3.54%) Low_complexity (20hits, 0.543%)	organelle/plastid (1012 hits 101%)		0.8456	2.703
89	CL89	149100 994	0.142	22.60	Not available	Not available	rRNA (720hits, 67.1%) Simple_repeat (3hits, 0.0711%)	DTM-CD1 NA NA (48 hits 4.83%) 45S_rDNA/25S_rDNA (632 hits 63.6%) 45S_rDNA/5.8S_rDNA (131 hits 13.2%)		3.8020	7.847
90	CL90	148950 993	0.142	22.70	Not available	Not available	LTR.Gypsy (328hits, 19.3%) Simple_repeat (137hits, 4.51%) Low_complexity (71hits, 2.76%) LTR.Copia (1hits, 0.0369%)	organelle/plastid (895 hits 91.8%) organelle/mitochondria (14 hits 1.44%)		0.1556	2.316
91	CL91	146250 975	0.139	22.90	Not available	Not available	Simple_repeat (72hits, 1.96%) RC.Helitron (41hits, 1.8%) Low_complexity (1hits, 0.0403%) LTR.Copia (1hits, 0.0274%)	organelle/plastid (895 hits 91.8%) organelle/mitochondria (14 hits 1.44%)		0.6367	1.949
92	CL92	145500 970	0.139	23.00	Not available	Not available	rRNA (153hits, 9.44%)	Ty1-INT Ty1/copia AleI/Retrofit (1 hits 0.103%) organelle/plastid (1936 hits 200%) organelle/mitochondria (5 hits 0.515%)		2.2630	6.598
93	CL93	144300 962	0.137	23.10	Not available	Not available	LTR.Copia (874hits, 84.3%) Simple_repeat (11hits, 0.272%) Low_complexity (1hits, 0.0347%) LTR.Gypsy (1hits, 0.0173%) Ty1-RT Ty1/copia AleII (350 hits 36.4%) Ty1-RH Ty1/copia AleII (204 hits 21.2%) Ty1-RT Ty1/copia Ivana/Oryco (7 hits 0.728%) Ty1-RT Ty1/copia AleI/Retrofit (2 hits 0.208%) Tv1-RH Tv1/copia	organelle/mitochondria (21 hits 2.18%)		0.2842	0.936








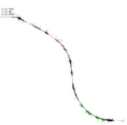

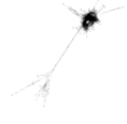

94	CL94	142800 952	0.136	23.30	Not available	Not available	Low_complexity (38hits, 1.09%) Simple_repeat (32hits, 0.917%)	organelle/plastid (1000 hits 105%)		0.7796	4.097	
95	CL95	142500 950	0.136	23.40	Not available	Not available	Simple_repeat (41hits, 1.61%)			1.2260	11.260	
96	CL96	138300 922	0.132	23.50	Not available	Not available		organelle/plastid (916 hits 99.3%)		1.2670	3.796	
97	CL97	136050 907	0.130	23.70	Not available	Not available	LTR.Gypsy (487hits, 48.6%) Simple_repeat (33hits, 0.915%) Low_complexity (4hits, 0.143%) LTR.Copia (2hits, 0.0897%) LTR (1hits, 0.0353%) LTR.Cassandra (1hits, 0.0294%)	Ty3-RT Ty3/gypsy chromovirus (176 hits 19.4%) Ty3-RH Ty3/gypsy chromovirus (105 hits 11.6%) Ty3-PROT Ty3/gypsy chromovirus (18 hits 1.98%) Ty3-INT Ty3/gypsy chromovirus (12 hits 1.32%) LINE-RT NA NA (1 hits 0.11%)		0.0255	0.110	
98	CL98	134700 898	0.128	23.80	Not available	Not available	LTR.Copia (637hits, 63.1%) LTR.Gypsy (19hits, 1.49%) DNA.TeMar.Tc1 (2hits, 0.172%) LTR.Caulimovirus (1hits, 0.0468%) Simple_repeat (2hits, 0.0319%)	Ty1-RT Ty1/copia unclass(AleI/Retrofit) (105 hits 11.7%) Ty1-INT Ty1/copia unclass(AleI/Retrofit) (100 hits 11.1%) Ty1-RH Ty1/copia unclass(AleI/Retrofit) (62 hits 6.9%) Ty1-PROT Ty1/copia unclass(AleI/Retrofit).....	organelle/mitochondria (26 hits 2.9%)		0.0000	0.000
99	CL99	130350 869	0.124	23.90	Not available	Not available	Simple_repeat (52hits, 2.14%) Low_complexity (5hits, 0.183%)	organelle/plastid (874 hits 101%)		1.4970	4.833	
100	CL100	129150 861	0.123	24.00	Not available	Not available	Simple_repeat (87hits, 5.03%) Low_complexity (16hits, 0.746%)	organelle/plastid (704 hits 81.8%)		0.5619	3.368	
101	CL101	128700 858	0.123	24.20	Not available	Not available	Simple_repeat (46hits, 1.46%) Low_complexity (30hits, 0.932%)	organelle/plastid (717 hits 83.6%) organelle/mitochondria (175 hits 20.4%)		0.5202	3.030	
102	CL102	123900 826	0.118	24.30	Not available	Not available	LTR.Copia (725hits, 80.3%) Simple_repeat (1hits, 0.0274%)	Ty1-RT Ty1/copia Tork (178 hits 21.5%) Ty1-INT Ty1/copia Tork (162 hits 19.6%) Ty1-RH Ty1/copia Tork (95 hits 11.5%) Ty1-PROT Ty1/copia Tork (41 hits 4.96%) Ty1-RT Ty1/copia AleII (8 hits 0.969%) Ty1-PROT		0.0965	0.605	


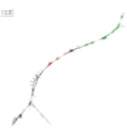







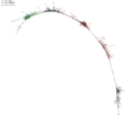
103	CL103	122250 815	0.116	24.40	Not available	Not available	Simple_repeat (90hits, 1.83%) LTR.Copia (1hits, 0.0278%)	organelle/plastid (1732 hits 213%)		2.5740	8.834	
104	CL104	121650 811	0.116	24.50	Not available	Not available	Simple_repeat (22hits, 0.734%) Low_complexity (5hits, 0.225%)	organelle/plastid (771 hits 95.1%) organelle/mitochondria (39 hits 4.81%)		1.1430	4.192	
105	CL105	120600 804	0.115	24.60	Not available	Not available	LTR.Gypsy (480hits, 49.9%) LTR.Copia. (19hits, 0.915%)	Ty3-PROT Ty3/gypsy Athila (118 hits 14.7%) Ty3-RT Ty3/gypsy Athila (40 hits 4.98%) Ty3-INT Ty3/gypsy Athila (37 hits 4.6%)		0.2294	1.493	
106	CL106	118500 790	0.113	24.70	Not available	Not available	Simple_repeat (10hits, 0.603%)	organelle/plastid (786 hits 99.5%) organelle/mitochondria (42 hits 5.32%)		0.6284	2.532	
107	CL107	117450 783	0.112	24.90	Not available	Not available	Simple_repeat (62hits, 2.25%) Low_complexity (1hits, 0.046%)	LINE-RT NA NA (26 hits 3.32%)	organelle/plastid (803 hits 103%)		1.1770	5.364
108	CL108	117450 783	0.112	25.00	Not available	Not available	LTR.Copia (689hits, 83.2%) Simple_repeat (7hits, 0.279%)	Ty1-RT Ty1/copia Angela (125 hits 16%) Ty1-INT Ty1/copia Angela (74 hits 9.45%) Ty1-RH Ty1/copia Angela (64 hits 8.17%) Ty1-GAG Ty1/copia Angela (45 hits 5.75%) Ty1-PROT Ty1/copia Angela (30 hits 3.83%) Ty.....		0.0216	0.128	
109	CL109	111300 742	0.106	25.10	Not available	Not available	Simple_repeat (1hits, 0.0422%)	organelle/plastid (741 hits 99.9%)		1.2700	4.178	
110	CL110	109650 731	0.104	25.20	Not available	Not available	Simple_repeat (46hits, 3.05%)	organelle/plastid (668 hits 91.4%)		0.6818	2.326	
111	CL111	109050 727	0.104	25.30	Not available	Not available	Simple_repeat (85hits, 3.29%) Low_complexity (3hits, 0.157%)	organelle/plastid (709 hits 97.5%)		0.9741	5.227	
112	CL112	107700 718	0.103	25.40	Not available	Not available	LTR.Copia (588hits, 76.4%) Simple_repeat (31hits, 4.0%)	Ty1-INT Ty1/copia Angela (131 hits 18.2%) Ty1-GAG Ty1/copia Angela (92 hits 12.8%) Ty1-PROT Ty1/copia Angela (33 hits 4.6%)		0.4244	1.532	

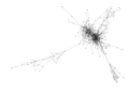
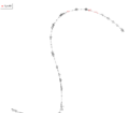

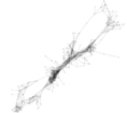

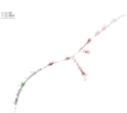






						available 1.35%) Low_complexity (4hits, 0.214%)		Ty1-PROT Ty1/copia TAR (30 hits 4.18%) Ty1-INT Ty1/copia AleII (5 hits 0.696%) Ty1.....					
113	CL113	106500	710	0.101	25.50	Not available	Not available	LTR.Copia (548hits, 68.8%) Low_complexity (1hits, 0.0479%)	Ty1-INT Ty1/copia AleII (216 hits 30.4%) Ty1-GAG Ty1/copia AleII (108 hits 15.2%) Ty1-PROT Ty1/copia AleII (55 hits 7.75%) Ty1-PROT Ty1/copia Ivana/Oryco (1 hits 0.141%) Ty1-PROT Ty1/copia Maximus/SIRE (1 hit.....)	organelle/plastid (1 hits 0.141%)		0.1642	0.563
114	CL114	99300	662	0.095	25.60	Not available	Not available	Simple_repeat (66hits, 2.79%) Low_complexity (5hits, 0.254%)		organelle/plastid (590 hits 89.1%) organelle/mitochondria (65 hits 9.82%)		0.5980	4.532
115	CL115	98850	659	0.094	25.70	Not available	Not available	LTR.Gypsy (203hits, 13.3%) RC.Helitron (1hits, 0.0607%) Simple_repeat (1hits, 0.0486%)				1.9700	12.140
116	CL116	98850	659	0.094	25.80	Not available	Not available	Simple_repeat (49hits, 1.87%) LTR.Copia (12hits, 0.909%) DNA.hAT.Tag1 (2hits, 0.18%) LTR.Gypsy (1hits, 0.0931%) Low_complexity (1hits, 0.0395%)				0.0000	0.000
117	CL117	97500	650	0.093	25.90	Not available	Not available	LTR.Copia (373hits, 49%) LTR.Gypsy (101hits, 11.3%) Simple_repeat (43hits, 1.37%) LTR.Caulimovirus (3hits, 0.211%) DNA.TeMar.Tc1 (1hits, 0.103%) Low_complexity (1hits, 0.0656%)	Ty1-INT Ty1/copia unclass(AleI/Retrofit) (99 hits 15.2%) Ty1-PROT Ty1/copia unclass(AleI/Retrofit) (26 hits 4%) Ty1-RT Ty1/copia Ivana/Oryco (19 hits 2.92%) Ty1-GAG Ty1/copia AleI/Retrofit (17 hits 2.62%) Ty1.....	organelle/mitochondria (1 hits 0.154%)		0.0000	0.000
118	CL118	97200	648	0.093	26.00	Not available	Not available	RC.Helitron (29hits, 2.81%)	DTC-CD1 NA NA (1 hits 0.154%)	organelle/plastid (626 hits 96.6%) organelle/mitochondria (9 hits 1.39%)		1.4300	5.401
119	CL119	96000	640	0.091	26.10	Not available	Not available	DNA.MULE.MuDR (115hits, 14.7%) Low_complexity (2hits, 0.0938%) Simple_repeat (1hits, 0.0323%)	DTM-CD1 NA NA (196 hits 30.6%) DTC-CD1 NA NA (2 hits 0.312%)			0.0000	0.000
120	CL120	95700	638	0.091	26.10	Not available	Not available	DNA.PIF.Harbinger (20hits, 1.89%) Simple_repeat (28hits, 1.18%) Low_complexity (25hits, 1.14%) LTR.Copia (2hits, 0.132%)	Ty1-INT Ty1/copia AleII (1 hits 0.157%)			0.0000	0.000
121	CL121	94650	631	0.090	26.20	Not available	Not available	LTR.Copia (14hits, 1.06%) LTR.Gypsy (11hits, 0.827%) Simple_repeat (18hits, 0.558%) Low_complexity (4hits, 0.278%)	Ty1-RH Ty1/copia AleII (3 hits 0.475%)	organelle/mitochondria (492 hits 78%)		0.0000	0.000

122	CL122	93750	625	0.089	26.30	Not available	Not available	LTR.Gypsy (147hits, 8.45%) Simple_repeat (29hits, 1.42%) Low_complexity (9hits, 0.458%) LTR.Copia (2hits, 0.109%) rRNA (1hits, 0.0309%)			2.4430	7.520
123	CL123	88500	590	0.084	26.40	Not available	Not available	LTR.Gypsy (15hits, 1.03%) Simple_repeat (14hits, 0.493%) Low_complexity (2hits, 0.0701%) LTR.Copia (1hits, 0.0475%)	Ty1-RT Ty1/copia Angela (1 hits 0.169%)		2.0750	6.949
124	CL124	86850	579	0.083	26.50	Not available	Not available	LTR.Copia (4hits, 0.216%) Simple_repeat (2hits, 0.061%) LTR.Gypsy (1hits, 0.0391%)	Ty1-INT Ty1/copia AleII (1 hits 0.173%)		2.1820	5.181
125	CL125	84150	561	0.080	26.60	Not available	Not available	LTR.Copia (362hits, 54.1%) Simple_repeat (2hits, 0.0428%) DNA.hAT.Tag1 (1hits, 0.0368%)	Ty1-INT Ty1/copia Angela (121 hits 21.6%) Ty1-RT Ty1/copia Angela (40 hits 7.13%) Ty1-INT Ty1/copia AleII (10 hits 1.78%) Ty1-INT Ty1/copia Ivana/Oryco (2 hits 0.357%) Ty1-RT Ty1/copia Ivana/Oryco (1 hits 0.178%)		2.0040	6.952
126	CL126	83850	559	0.080	26.60	Not available	Not available	Simple_repeat (49hits, 1.7%) Low_complexity (7hits, 0.329%) LTR.Copia (1hits, 0.0489%)			0.0000	0.000
127	CL127	82350	549	0.078	26.70	Not available	Not available	LTR.Gypsy (21hits, 2.75%) Simple_repeat (5hits, 0.225%) Low_complexity (2hits, 0.0959%)	Ty3-INT Ty3/gypsy chromovirus (34 hits 6.19%)		0.0000	0.000
128	CL128	76650	511	0.073	26.80	Not available	Not available	Simple_repeat (39hits, 1.66%) LTR (3hits, 0.364%) Low_complexity (4hits, 0.307%) LTR.Copia (4hits, 0.223%) LTR.Gypsy (2hits, 0.181%)			0.0000	0.000
129	CL129	75450	503	0.072	26.90	Not available	Not available	Simple_repeat (41hits, 2.74%) Low_complexity (24hits, 1.6%) LTR.Gypsy (11hits, 1.08%) LTR.Copia (1hits, 0.0782%) DNA.MULE.MuDR (1hits, 0.0557%)	DTM-CD1 NA NA (1 hits 0.199%)		1.1360	2.982
130	CL130	74250	495	0.071	26.90	Not available	Not available	Simple_repeat (500hits, 92.2%) Low_complexity (9hits, 0.514%) LINE.L1 (1hits, 0.191%)	organelle/plastid (10 hits 2.02%)		0.0000	0.000
131	CL131	73650	491	0.070	27.00	Not available	Not available	LTR.Gypsy (156hits, 22.9%) LTR.Copia (4hits, 0.266%)	Ty3-GAG Ty3/gypsy Athila (159 hits 32.4%) Ty1-GAG Ty1/copia AleII (1 hits 0.204%)		1.4090	4.277


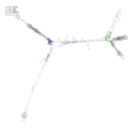



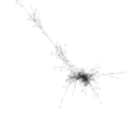



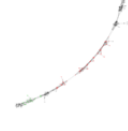

132	CL132	71250	475	0.068	27.10	Not available	Not available	Simple_repeat (80hits, 5.59%) Low_complexity (44hits, 4.16%) LTR.Gypsy (1hits, 0.0407%)				0.6136	3.368
133	CL133	70200	468	0.067	27.10	Not available	Not available	LTR.Gypsy (101hits, 19.8%) rRNA (35hits, 3.97%) LTR.Copia (13hits, 2.36%) DNA.TcMar.Stowaway (14hits, 1.34%) DNA.CMC.EnSpm (12hits, 0.775%) Low_complexity (3hits, 0.175%)	Ty3-INT Ty3/gypsy chromovirus (61 hits 13%) Ty3-CHDII Ty3/gypsy chromovirus (12 hits 2.56%)	organelle/mitochondria (457 hits 97.6%)		0.0437	0.214
134	CL134	69150	461	0.066	27.20	Not available	Not available	LTR.Gypsy (19hits, 2.73%)	Ty3-GAG Ty3/gypsy Ogre/Tat (15 hits 3.25%)	organelle/mitochondria (149 hits 32.3%)		0.0000	0.000
135	CL135	68550	457	0.065	27.30	Not available	Not available	LTR.Copia (386hits, 66.3%) LTR (43hits, 3.51%) LTR.Gypsy (4hits, 0.443%) LTR.Cassandra (5hits, 0.324%) Simple_repeat (2hits, 0.0992%)	Ty1-RH Ty1/copia Tork (49 hits 10.7%) Ty1-RT Ty1/copia Tork (23 hits 5.03%) Ty1-GAG Ty1/copia Tork (16 hits 3.5%) Ty1-PROT Ty1/copia AleI/Retrofit (1 hits 0.219%)	organelle/mitochondria (16 hits 3.5%)		0.0000	0.000
136	CL136	67350	449	0.064	27.30	Not available	Not available	Simple_repeat (4hits, 0.226%) RC.Helitron (2hits, 0.137%)		organelle/mitochondria (353 hits 78.6%)		0.2198	1.336
137	CL137	65850	439	0.063	27.40	Not available	Not available	DNA.MULE.MuDR (164hits, 29.8%) Simple_repeat (4hits, 0.199%) Low_complexity (1hits, 0.0683%)	DTM-CD1 NA NA (218 hits 49.7%)			0.0000	0.000
138	CL138	64950	433	0.062	27.50	Not available	Not available	LINE.L1 (200hits, 39.2%) Simple_repeat (5hits, 0.209%) LTR.Gypsy (1hits, 0.125%) Low_complexity (1hits, 0.0693%)	LINE-RT NA NA (107 hits 24.7%)			0.0000	0.000
139	CL139	62250	415	0.059	27.50	Not available	Not available	Simple_repeat (54hits, 5.35%) Low_complexity (19hits, 2.23%)				0.3570	3.373
140	CL140	60300	402	0.057	27.60	Not available	Not available	LTR.Copia (216hits, 50.8%)	Ty1-RT Ty1/copia Tork (114 hits 28.4%) Ty1-INT Ty1/copia Tork (34 hits 8.46%) Ty1-RH Ty1/copia Tork (28 hits 6.97%)	organelle/mitochondria (51 hits 12.7%)		0.0000	0.000
141	CL141	57150	381	0.054	27.60	Not available	Not available	LTR.Copia (6hits, 0.49%) Simple_repeat (1hits, 0.098%)		organelle/mitochondria (153 hits 40.2%) organelle/plastid (64 hits 16.8%)		0.0000	0.000
142	CL142	56100	374	0.053	27.70	Not available	Not available	Simple_repeat (12hits, 0.524%)		organelle/mitochondria (416 hits 111%)		0.0000	0.000









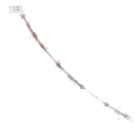
143	CL143	56100	374	0.053	27.70	Not available	Not available	LTR.Copia (9hits, 0.544%)	organelle/mitochondria (160 hits 42.8%)		0.0425	0.267	
144	CL144	55350	369	0.053	27.80	Not available	Not available	Simple_repeat (9hits, 0.58%) Low_complexity (1hits, 0.0488%)			0.0000	0.000	
145	CL145	52800	352	0.050	27.80	Not available	Not available	Low_complexity (1hits, 0.0625%)	Ty3-GAG Ty3/gypsy OGRE/Tat (3 hits 0.852%) DTA-CD1 NA NA (1 hits 0.284%)	organelle/mitochondria (266 hits 75.6%)		0.0000	0.000
146	CL146	51150	341	0.049	27.90	Not available	Not available	LTR.Gypsy (59hits, 13.1%) Simple_repeat (9hits, 0.739%) Low_complexity (5hits, 0.514%)			0.0000	0.000	
147	CL147	50100	334	0.048	27.90	Not available	Not available	DNA.MULE.MuDR (11hits, 1.36%) Simple_repeat (13hits, 1.12%) Low_complexity (6hits, 0.469%)			0.0000	0.000	
148	CL148	49800	332	0.047	28.00	Not available	Not available	Simple_repeat (12hits, 0.773%)	Ty3-RH Ty3/gypsy chromovirus (39 hits 11.7%) Ty3-RT Ty3/gypsy chromovirus (37 hits 11.1%) Ty3-INT Ty3/gypsy chromovirus (35 hits 10.5%)	organelle/mitochondria (15 hits 4.52%)		0.0961	0.602
149	CL149	47250	315	0.045	28.00	Not available	Not available	Simple_repeat (9hits, 0.586%) Low_complexity (4hits, 0.337%) DNA.MULE.MuDR (1hits, 0.135%)			0.0000	0.000	
150	CL150	45150	301	0.043	28.10	Not available	Not available	Simple_repeat (7hits, 0.525%) Low_complexity (1hits, 0.0753%)	Ty1-INT Ty1/copia TAR (63 hits 20.9%) Ty1-GAG Ty1/copia TAR (19 hits 6.31%) Ty1-INT Ty1/copia Angela (4 hits 1.33%) Ty1-PROT Ty1/copia AleII (4 hits 1.33%) Ty1-PROT Ty1/copia TAR (3 hits 0.997%) Ty1-INT Ty.....			0.0000	0.000
151	CL151	45000	300	0.043	28.10	Not available	Not available	Simple_repeat (25hits, 3.71%) Low_complexity (10hits, 1.07%)		organelle/plastid (301 hits 100%)		1.6360	11.000
152	CL152	44400	296	0.042	28.20	Not available	Not available	Low_complexity (3hits, 0.338%) Simple_repeat (3hits, 0.282%)				0.0000	0.000
153	CL153	43350	289	0.041	28.20	Not available	Not available	Satellite (82hits, 15.8%) Simple_repeat (1hits, 0.0554%)		5S_rDNA/5S_rDNA (83 hits 28.7%)		0.0000	0.000

154	CL154	43200	288	0.041	28.20	Not available	Not available	Simple_repeat (81hits, 18.2%) Low_complexity (6hits, 0.699%)	organelle/plastid (10 hits 3.47%)		0.2681	0.347
155	CL155	41700	278	0.040	28.30	Not available	Not available	LTR.Copia (222hits, 75%) Low_complexity (5hits, 0.513%) Simple_repeat (2hits, 0.223%)	Ty1-RT Ty1/copia TAR (67 hits 24.1%) Ty1-RH Ty1/copia TAR (31 hits 11.2%) Ty1-RT Ty1/copia Ivana/Oryco (3 hits 1.08%) Ty1-RT Ty1/copia AleI/Retrofit (2 hits 0.719%) Ty1-RT Ty1/copia AleII (2 hits 0.719%)		0.2035	0.719
156	CL156	39000	260	0.037	28.30	Not available	Not available	DNA.hAT.Ac (106hits, 33.7%) DNA.PIF.Harbinger (1hits, 0.221%) Simple_repeat (2hits, 0.105%)	DTA-CD1 NA NA (88 hits 33.8%) organelle/mitochondria (1 hits 0.385%)		0.0000	0.000
157	CL157	37650	251	0.036	28.40	Not available	Not available		organelle/mitochondria (293 hits 117%)		0.0596	0.398
158	CL158	37050	247	0.035	28.40	Not available	Not available	LTR.Gypsy (217hits, 81.6%) Simple_repeat (4hits, 0.494%) Low_complexity (1hits, 0.154%)	Ty3-INT Ty3/gypsy chromovirus (145 hits 58.7%) Ty3-CHDII Ty3/gypsy chromovirus (19 hits 7.69%) Ty3-RH Ty3/gypsy chromovirus (2 hits 0.81%)		0.0000	0.000
159	CL159	36600	244	0.035	28.40	Not available	Not available	LTR.Copia (86hits, 27.9%) DNA.CMC.EnSpm (9hits, 0.959%)	Ty1-GAG Ty1/copia AleII (33 hits 13.5%) Ty1-RH Ty1/copia AleII (27 hits 11.1%) organelle/mitochondria (176 hits 72.1%)		0.0000	0.000
160	CL160	34500	230	0.033	28.50	Not available	Not available	LTR.Gypsy (19hits, 6.25%)	Ty3-GAG Ty3/gypsy chromovirus (16 hits 6.96%) Ty3-PROT Ty3/gypsy Ogr/Tat (5 hits 2.17%) organelle/mitochondria (78 hits 33.9%)		0.0000	0.000
161	CL161	34050	227	0.032	28.50	Not available	Not available	LTR.Gypsy (38hits, 12.4%) Low_complexity (1hits, 0.106%)			1.0930	1.762
162	CL162	34050	227	0.032	28.50	Not available	Not available	Simple_repeat (3hits, 0.256%)	organelle/mitochondria (81 hits 35.7%)		0.1168	0.441
163	CL163	33750	225	0.032	28.60	Not available	Not available	LTR.Copia (220hits, 91.2%) DNA.hAT.Tip100 (1hits, 0.21%)	Ty1-INT Ty1/copia TAR (91 hits 40.4%) Ty1-PROT Ty1/copia TAR (31 hits 13.8%) Ty1-PROT Ty1/copia AleII (4 hits 1.78%) Ty1-PROT Ty1/copia Tork (2 hits 0.889%) Ty1-INT Ty1/copia Angela (1 hits 0.444%) Simple_repeat (12hits, 2.71%)		0.3018	1.333







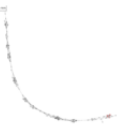

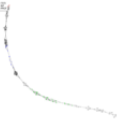

164	CL164	33450	223	0.032	28.60	Not available	Not available	Low_complexity (3hits, 0.601%) DNA.MULE.MuDR (1hits, 0.389%) LTR (1hits, 0.152%) LTR.Copia (1hits, 0.123%)	Ty3-GAG Ty3/gypsy chromovirus (1 hits 0.448%)		0.0000	0.000
165	CL165	32700	218	0.031	28.60	Not available	Not available	LTR.Gypsy (12hits, 4.66%) Simple_repeat (1hits, 0.116%)	Ty3-RT Ty3/gypsy organelle/mitochondria (31 hits 14.2%) Ogre/Tat (9 hits 4.13%)		0.0000	0.000
166	CL166	32550	217	0.031	28.70	Not available	Not available	LTR.Gypsy (35hits, 8.17%) LTR.Copia. (13hits, 2.25%) LTR (1hits, 0.298%) Low_complexity (1hits, 0.144%)			0.9852	2.304
167	CL167	31500	210	0.030	28.70	Not available	Not available	LTR.Gypsy (45hits, 16.5%) Simple_repeat (5hits, 0.578%) Low_complexity (1hits, 0.124%)			0.0000	0.000
168	CL168	31050	207	0.030	28.70	Not available	Not available	Simple_repeat (9hits, 1.83%) Low_complexity (1hits, 0.129%)			0.0000	0.000
169	CL169	30900	206	0.029	28.70	Not available	Not available	LTR.Copia (178hits, 78.1%) Simple_repeat (4hits, 0.505%)	Ty1-INT Ty1/copia Bianca (103 hits 50%) Ty1-PROT Ty1/copia Bianca (23 hits 11.2%)		0.0000	0.000
170	CL170	29700	198	0.028	28.80	Not available	Not available	Simple_repeat (4hits, 0.455%)	organelle/mitochondria (218 hits 110%)		0.0000	0.000
171	CL171	29250	195	0.028	28.80	Not available	Not available	LINE.L1 (68hits, 27.9%) Low_complexity (1hits, 0.154%) Simple_repeat (2hits, 0.13%)			0.0000	0.000
172	CL172	29100	194	0.028	28.80	Not available	Not available	Simple_repeat (1hits, 0.0928%)	organelle/mitochondria (217 hits 112%)		0.0000	0.000
173	CL173	28650	191	0.027	28.90	Not available	Not available	LTR.Copia (193hits, 95.8%)	Ty1-RT Ty1/copia Ivana/Oryco (93 hits 48.7%) Ty1-RH Ty1/copia Ivana/Oryco (62 hits 32.5%)		0.0000	0.000
174	CL174	28200	188	0.027	28.90	Not available	Not available	LTR.Copia (3hits, 0.649%)	organelle/mitochondria (115 hits 61.2%)		0.0000	0.000
175	CL175	27900	186	0.027	28.90	Not available	Not available	Simple_repeat (4hits, 0.717%) Low_complexity (2hits, 0.28%)	organelle/mitochondria (104 hits 55.9%)		0.0000	0.000

LTR.Copia (47hits,

176	CL176	26850	179	0.026	28.90	Not available	Not available	LTR.Copia (9 hits, 20.9%) LTR.Gypsy (2 hits, 0.484%) Low_complexity (1 hits, 0.153%) Simple_repeat (1 hits, 0.13%)	Ty1-INT Ty1/copia AleII (1 hits 0.559%)		0.1015	0.559	
177	CL177	26700	178	0.025	29.00	Not available	Not available	LTR.Copia (138 hits, 72.6%)	Ty1-INT Ty1/copia Tork (56 hits 31.5%) Ty1-PROT Ty1/copia Tork (49 hits 27.5%) Ty1-GAG Ty1/copia Tork (5 hits 2.81%)	organelle/mitochondria (17 hits 9.55%)		0.0000	0.000
178	CL178	26400	176	0.025	29.00	Not available	Not available	Simple_repeat (4 hits, 0.78%)				0.0000	0.000
179	CL179	25800	172	0.025	29.00	Not available	Not available	LTR.Copia (15 hits, 5.4%)		organelle/mitochondria (6 hits 3.49%)		0.0000	0.000
180	CL180	25500	170	0.024	29.00	Not available	Not available					4.7420	14.710
181	CL181	25350	169	0.024	29.10	Not available	Not available	Simple_repeat (41 hits, 10.7%) DNA.hAT.Ac (36 hits, 10.4%) Low_complexity (23 hits, 5.7%) LTR.Copia (11 hits, 3.55%)				0.0000	0.000
182	CL182	25050	167	0.024	29.10	Not available	Not available	Low_complexity (6 hits, 0.766%) Simple_repeat (1 hits, 0.0758%)		organelle/mitochondria (100 hits 59.9%)		0.0000	0.000
183	CL183	24900	166	0.024	29.10	Not available	Not available	Simple_repeat (1 hits, 0.145%)		organelle/mitochondria (179 hits 108%)		0.0000	0.000
184	CL184	24750	165	0.024	29.10	Not available	Not available	LTR.Copia (146 hits, 71.8%)	Ty1-GAG Ty1/copia Tork (28 hits 17%) Ty1-RH Ty1/copia AleII (1 hits 0.606%)			0.0000	0.000
185	CL185	24150	161	0.023	29.20	Not available	Not available	LTR.Copia (123 hits, 64.4%) Simple_repeat (3 hits, 0.211%)	Ty1-INT Ty1/copia Ivana/Oryco (64 hits 39.8%) Ty1-PROT Ty1/copia Ivana/Oryco (21 hits 13%)			0.0000	0.000
186	CL186	24000	160	0.023	29.20	Not available	Not available	DNA.CMC.EnSpm (74 hits, 39.9%) Simple_repeat (7 hits, 1.25%)				0.0000	0.000

187	CL187	23550	157	0.022	29.20	Not available	Not available	LTR.Copia (48hits , 25.3%)	Ty1-GAG Ty1/copia AleII (65 hits 41.4%)		0.0000	0.000	
188	CL188	23250	155	0.022	29.20	Not available	Not available			organelle/mitochondria (173 hits 112%)		0.0000	0.000
189	CL189	23100	154	0.022	29.20	Not available	Not available	LTR.Copia (19hits , 9.65%)	Ty1-RT Ty1/copia AleII (12 hits 7.79%) Ty3-GAG Ty3/gypsy Ogre/Tat (11 hits 7.14%) Ty1-RT Ty1/copia Ivana/Oryco (4 hits 2.6%) Ty1-RT Ty1/copia TAR (2 hits 1.3%) Ty1-RT Ty1/copia AleI/Retrofit (1 hits 0.649%)	organelle/mitochondria (57 hits 37%)		0.0000	0.000
190	CL190	22500	150	0.021	29.30	Not available	Not available	LTR.Gypsy (79hits , 48.5%)	Ty3-RH Ty3/gypsy Ogre/Tat (24 hits 16%) Ty3-INT Ty3/gypsy Ogre/Tat (14 hits 9.33%) Ty3-RH Ty3/gypsy Athila (5 hits 3.33%) Ty3-RH Ty3/gypsy chromovirus (3 hits 2%)	organelle/mitochondria (44 hits 29.3%)		0.0000	0.000
191	CL191	22200	148	0.021	29.30	Not available	Not available			organelle/mitochondria (67 hits 45.3%)		0.0000	0.000
192	CL192	21900	146	0.021	29.30	Not available	Not available			organelle/mitochondria (90 hits 61.6%)		0.0000	0.000
193	CL193	21900	146	0.021	29.30	Not available	Not available			organelle/mitochondria (58 hits 39.7%)		0.0000	0.000
194	CL194	21900	146	0.021	29.30	Not available	Not available	Simple_repeat (9hits, 2.15%) LTR.Copia (1hits, 0.247%) Low_complexity (1hits, 0.242%)				0.1821	0.685
195	CL195	21600	144	0.021	29.40	Not available	Not available	LTR.Gypsy (142hits , 92.9%)	Ty3-INT Ty3/gypsy Athila (74 hits 51.4%) Ty3-RH Ty3/gypsy Athila (27 hits 18.8%)			0.0000	0.000


196	CL196	21600	144	0.021	29.40	Not available	Not available		organelle/mitochondria (154 hits 107%)		0.1873	0.694	
197	CL197	21450	143	0.020	29.40	Not available	Not available		organelle/mitochondria (55 hits 38.5%)		0.0000	0.000	
198	CL198	20700	138	0.020	29.40	Not available	Not available	Simple_repeat (10hits, 1.06%)	organelle/mitochondria (138 hits 100%)		0.0000	0.000	
199	CL199	20550	137	0.020	29.40	Not available	Not available	Simple_repeat (2hits, 0.569%)			0.5093	2.190	
200	CL200	20400	136	0.019	29.50	Not available	Not available	LINE.L1 (11hits, 4.24%)	LINE-ENDO NA NA (26 organelle/mitochondria hits 19.1%)		0.0000	0.000	
201	CL201	20250	135	0.019	29.50	Not available	Not available		organelle/mitochondria (93 hits 68.9%)		0.0000	0.000	
202	CL202	20100	134	0.019	29.50	Not available	Not available	LTR.Gypsy (44hits, 26.2%) Simple_repeat (7hits, 1.18%)	Ty3-RT Ty3/gypsy Ogre/Tat (28 hits 20.9%) Ty3-PROT Ty3/gypsy Ogre/Tat (10 hits 7.46%)	organelle/mitochondria (10 hits 7.46%)		0.0000	0.000
203	CL203	19950	133	0.019	29.50	Not available	Not available	LINE.L1 (36hits, 21%) Simple_repeat (2hits, 0.401%) Low_complexity (1hits, 0.165%)			0.0000	0.000	
204	CL204	19950	133	0.019	29.50	Not available	Not available		organelle/mitochondria (50 hits 37.6%)		0.0000	0.000	
205	CL205	19800	132	0.019	29.60	Not available	Not available		organelle/mitochondria (70 hits 53%)		0.0000	0.000	
206	CL206	19800	132	0.019	29.60	Not available	Not available	LTR.Copia (49hits, 30.8%) Simple_repeat (16hits, 2.95%)	DHH-CD1 NA NA (1 hits 0.758%)		0.1269	0.758	

207	CL207	19800	132	0.019	29.60	Not available	Not available	LTR.Copia (12hits, 4.28%)	organelle/mitochondria (82 hits 62.1%)		0.0000	0.000	
208	CL208	19800	132	0.019	29.60	Not available	Not available		organelle/mitochondria (105 hits 79.5%)		0.0000	0.000	
209	CL209	19800	132	0.019	29.60	Not available	Not available	Simple_repeat (14hits, 1.53%)	organelle/mitochondria (94 hits 71.2%)		0.0000	0.000	
210	CL210	19800	132	0.019	29.70	Not available	Not available	LTR.Copia (78hits, 44.5%) Low_complexity (4hits, 1.31%) Simple_repeat (4hits, 1.15%)	Ty1-GAG Ty1/copia Angela (51 hits 38.6%)		2.2040	9.848	
211	CL211	19650	131	0.019	29.70	Not available	Not available	LTR.Gypsy (1hits, 0.193%)	organelle/mitochondria (83 hits 63.4%)		0.0000	0.000	
212	CL212	19500	130	0.019	29.70	Not available	Not available		organelle/mitochondria (135 hits 104%)		0.0000	0.000	
213	CL213	19500	130	0.019	29.70	Not available	Not available	LTR.Copia (18hits, 11.5%) Simple_repeat (7hits, 1.46%)	Ty1-GAG Ty1/copia Angela (8 hits 6.15%)	organelle/mitochondria (107 hits 82.3%)		0.0000	0.000
214	CL214	19500	130	0.019	29.70	Not available	Not available		organelle/mitochondria (95 hits 73.1%) organelle/plastid (6 hits 4.62%)		0.3030	1.538	
215	CL215	19200	128	0.018	29.70	Not available	Not available	LTR.Copia (58hits, 33.7%)	Ty1-INT Ty1/copia AleII (30 hits 23.4%) Ty1-PROT Ty1/copia AleII (8 hits 6.25%) Ty1-PROT Ty1/copia Ivana/Oryco (4 hits 3.12%) Ty1-GAG Ty1/copia AleII (2 hits 1.56%) Ty1-INT Ty1/copia AleI/Retrofit (2 hits 1.56%)		0.0000	0.000	
216	CL216	19200	128	0.018	29.80	Not available	Not available	Simple_repeat (9hits, 1.81%)	organelle/mitochondria (127 hits 99.2%)		0.0000	0.000	


217	CL217	19050	127	0.018	29.80	Not available	Not available	LTR.Copia (70hits, 46%)	<p>Ty1-RH Ty1/copia AleII (22 hits 17.3%)</p> <p>Ty1-RT Ty1/copia AleII (10 hits 7.87%)</p> <p>Ty1-RT Ty1/copia unclass(Ale) (6 hits 4.72%)</p> <p>Ty1-RH Ty1/copia AleI/Retrofit (5 hits 3.94%)</p> <p>Ty1-RT Ty1/copia Ivana/Oryco (1 hits 0.787%)</p>	organelle/mitochondria (5 hits 3.94%)		0.0000	0.000
218	CL218	19050	127	0.018	29.80	Not available	Not available	LTR.Gypsy (88hits, 61.1%)	<p>Ty3-PROT Ty3/gypsy Athila (38 hits 29.9%)</p> <p>Ty3-PROT Ty3/gypsy Ogre/Tat (1 hits 0.787%)</p>			0.0000	0.000
219	CL219	18900	126	0.018	29.80	Not available	Not available	Simple_repeat (10hits, 0.857%)		organelle/mitochondria (92 hits 73%)		0.0000	0.000
220	CL220	18900	126	0.018	29.80	Not available	Not available	LTR.Copia (10hits, 3.12%)	<p>Ty1-INT Ty1/copia AleII (7 hits 5.56%)</p> <p>Ty1-INT Ty1/copia AleI/Retrofit (1 hits 0.794%)</p>	organelle/mitochondria (91 hits 72.2%)		0.0000	0.000
221	CL221	18750	125	0.018	29.90	Not available	Not available	Simple_repeat (2hits, 0.272%)				0.0778	0.800
222	CL222	18750	125	0.018	29.90	Not available	Not available			organelle/mitochondria (126 hits 101%)		0.0000	0.000
223	CL223	18750	125	0.018	29.90	Not available	Not available			organelle/mitochondria (99 hits 79.2%)		0.0000	0.000
224	CL224	18750	125	0.018	29.90	Not available	Not available	LTR.Copia (100hits, 75.6%)	<p>Ty1-RT Ty1/copia AleII (32 hits 25.6%)</p> <p>Ty1-RH Ty1/copia AleII (13 hits 10.4%)</p> <p>Ty1-RH Ty1/copia AleI/Retrofit (10 hits 8%)</p> <p>Ty1-RT Ty1/copia unclass(Ale) (10 hits 8%)</p> <p>Ty1-RH Ty1/copia unclass(Ale) (1 hits 0.8%).....</p>	organelle/mitochondria (8 hits 6.4%)		0.0000	0.000
225	CL225	18450	123	0.018	29.90	Not available	Not available	Simple_repeat (2hits, 0.672%) Low_complexity (1hits, 0.255%)				0.0000	0.000

226	CL226	18450	123	0.018	29.90	Not available	Not available		organelle/mitochondria (49 hits 39.8%)	0.0000	0.000		
227	CL227	18450	123	0.018	30.00	Not available	Not available		organelle/mitochondria (123 hits 100%)	0.0000	0.000		
228	CL228	18300	122	0.017	30.00	Not available	Not available	LTR.Gypsy (46hits, 27.9%) Simple_repeat (2hits, 0.623%) Low_complexity (1hits, 0.251%)		0.7561	2.459		
229	CL229	18000	120	0.017	30.00	Not available	Not available	LTR.Copia (104hits, 81.2%) Low_complexity (1hits, 0.2%)	Ty1-INT Ty1/copia Angela (39 hits 32.5%) Ty1-RT Ty1/copia Angela (19 hits 15.8%) Ty1-INT Ty1/copia TAR (2 hits 1.67%) Ty1-PROT Ty1/copia Angela (2 hits 1.67%) Ty1-INT Ty1/copia AleII (1 hits 0.833%) Ty1-PR.....	0.2208	0.833		
230	CL230	17700	118	0.017	30.00	Not available	Not available	Simple_repeat (2hits, 0.633%)		0.0000	0.000		
231	CL231	17550	117	0.017	30.00	Not available	Not available	Simple_repeat (13hits, 2.74%) LTR.Copia (3hits, 0.786%)	organelle/mitochondria (93 hits 79.5%)	0.0000	0.000		
232	CL232	17550	117	0.017	30.00	Not available	Not available	LINE.L1 (20hits, 12.5%)		0.0000	0.000		
233	CL233	17550	117	0.017	30.10	Not available	Not available		organelle/mitochondria (20 hits 17.1%)	0.0000	0.000		
234	CL234	17550	117	0.017	30.10	Not available	Not available	Simple_repeat (20hits, 5.36%) Low_complexity (5hits, 2.13%)		0.0000	0.000		
235	CL235	17400	116	0.017	30.10	Not available	Not available	LTR.Gypsy (6hits, 4.28%)	Ty3-INT Ty3/gypsy Ogre/Tat (14 hits 12.1%)	organelle/mitochondria (70 hits 60.3%)	0.0000	0.000	
236	CL236	17400	116	0.017	30.10	Not available	Not available	Simple_repeat (7hits, 1.06%) LTR.Copia (1hits, 0.397%) Low_complexity		0.2635	1.724		

(1hits, 0.264%)

237	CL237	17250	115	0.016	30.10	Not available	Not available	LINE.L1 (17hits, 10.8%)	DHH-CD2 NA NA (1 hits 0.87%)		0.0000	0.000
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238	CL238	17250	115	0.016	30.10	Not available	Not available		organelle/mitochondria (78 hits 67.8%)		0.0000	0.000
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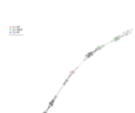
239	CL239	17100	114	0.016	30.20	Not available	Not available	LTR.Copia (16hits, 6.67%) LINE.L1 (12hits, 4.56%) Simple_repeat (6hits, 1.29%) Low_complexity (4hits, 0.871%) DNA.MULE.MuDR (1hits, 0.655%) LTR.Gypsy (1hits, 0.175%)			0.0000	0.000
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240	CL240	17100	114	0.016	30.20	Not available	Not available		organelle/mitochondria (61 hits 53.5%)		0.0000	0.000
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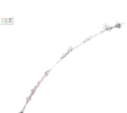

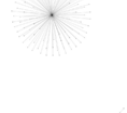



241	CL241	16950	113	0.016	30.20	Not available	Not available		organelle/mitochondria (25 hits 22.1%)		0.0000	0.000
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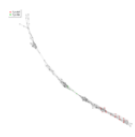
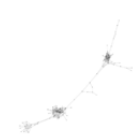








242	CL242	16800	112	0.016	30.20	Not available	Not available		organelle/mitochondria (127 hits 113%)		0.0000	0.000
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243	CL243	16650	111	0.016	30.20	Not available	Not available	LTR.Caulimovirus (99hits, 82.2%) LTR.Gypsy (1hits, 0.775%)	PARA-RT NA NA (28 hits 25.2%) PARA-RH NA NA (8 hits 7.21%) Ty3-RH Ty3/gypsy Athila (6 hits 5.41%) Ty3-RT Ty3/gypsy chromovirus (6 hits 5.41%) Ty3-RH Ty3/gypsy chromovirus (2 hits 1.8%) Ty1-RH Ty1/copia Iva.....	organelle/mitochondria (3 hits 2.7%)		0.0000	0.000
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244	CL244	16650	111	0.016	30.20	Not available	Not available	LTR.Copia (111hits, 95.2%)	Ty1-PROT Ty1/copia Angela (17 hits 15.3%) Ty1-INT Ty1/copia Angela (7 hits 6.31%) Ty1-RT Ty1/copia AleII (3 hits 2.7%) Ty1-RT Ty1/copia Angela (2 hits 1.8%)			0.3937	0.901
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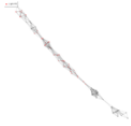









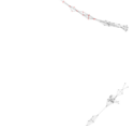
Simple_repeat (12hits)











245	CL245	16650	111	0.016	30.30	Not available	Not available	Simple_repeat (2 hits, 3.6%) Low_complexity (6hits, 2.34%) LTR.Gypsy (1hits, 0.517%)			0.0000	0.000	
246	CL246	16500	110	0.016	30.30	Not available	Not available		organelle/mitochondria (105 hits 95.5%)		0.0000	0.000	
247	CL247	16500	110	0.016	30.30	Not available	Not available	LTR.Gypsy (110hits, 96.6%)	Ty3-RH Ty3/gypsy chromovirus (55 hits 50%) Ty3-RT Ty3/gypsy chromovirus (29 hits 26.4%)	organelle/mitochondria (1 hits 0.909%)		0.0000	0.000
248	CL248	16350	109	0.016	30.30	Not available	Not available	LTR.Copia (109hits, 97.4%)	Ty1-INT Ty1/copia Tork (50 hits 45.9%) Ty1-RT Ty1/copia Tork (12 hits 11%) Ty1-PROT Ty1/copia Tork (4 hits 3.67%)			0.0000	0.000
249	CL249	15900	106	0.015	30.30	Not available	Not available		organelle/mitochondria (80 hits 75.5%)		0.4577	1.887	
250	CL250	15900	106	0.015	30.30	Not available	Not available	Simple_repeat (6hits, 1.35%) Low_complexity (4hits, 0.95%)	organelle/mitochondria (44 hits 41.5%)		0.0000	0.000	
251	CL251	15900	106	0.015	30.40	Not available	Not available	LTR.Copia (68hits, 55.9%)	Ty1-RH Ty1/copia Angela (27 hits 25.5%) Ty1-RH Ty1/copia Alel/Retrofit (3 hits 2.83%) Ty1-RT Ty1/copia Angela (3 hits 2.83%) Ty1-RH Ty1/copia Tork (1 hits 0.943%)			0.2299	0.943
252	CL252	15900	106	0.015	30.40	Not available	Not available	Simple_repeat (25hits, 11.3%) LTR.Gypsy (1hits, 0.83%)			0.0000	0.000	
253	CL253	15900	106	0.015	30.40	Not available	Not available		organelle/mitochondria (13 hits 12.3%)		0.0000	0.000	
254	CL254	15900	106	0.015	30.40	Not available	Not available	LTR.Gypsy (30hits, 23.7%)	Ty3-RH Ty3/gypsy chromovirus (9 hits 8.49%) Ty3-RT Ty3/gypsy chromovirus (8 hits 7.55%)	organelle/mitochondria (43 hits 40.6%)		0.0000	0.000
255	CL255	15900	106	0.015	30.40	Not available	Not available		organelle/mitochondria (129 hits 122%)		0.0000	0.000	
256	CL256	15750	105	0.015	30.40	Not available	Not available	Simple_repeat (10hits, 1.14%) LINE.L1 (1hits, 0.692%)	LINE-ENDO NA NA (12 hits 11.4%)	organelle/mitochondria (104 hits 99%)		0.0000	0.000



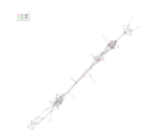








257	CL257	15750	105	0.015	30.40	Not available	Not available	Simple_repeat (5hits, 0.73%)	DTM-CD1 NA NA (1 hits 0.952%)	organelle/mitochondria (75 hits 71.4%)		0.0000	0.000
258	CL258	15600	104	0.015	30.50	Not available	Not available	LTR.Gypsy (28hits, 19.7%)	Ty3-INT Ty3/gypsy chromovirus (24 hits 23.1%) Ty3-RH Ty3/gypsy chromovirus (6 hits 5.77%)	organelle/plastid (10 hits 9.62%)		0.0000	0.000
259	CL259	15600	104	0.015	30.50	Not available	Not available	LTR.Gypsy (12hits, 6.63%) Simple_repeat (1hits, 0.301%)				0.0000	0.000
260	CL260	15450	103	0.015	30.50	Not available	Not available	LTR.Gypsy (3hits, 1.26%) Simple_repeat (4hits, 1.1%) Low_complexity (3hits, 0.796%)	Ty3-PROT Ty3/gypsy Ogre/Tat (6 hits 5.83%)	organelle/mitochondria (90 hits 87.4%)		0.0000	0.000
261	CL261	15450	103	0.015	30.50	Not available	Not available	LTR.Gypsy (21hits, 19.7%)	Ty3-RT Ty3/gypsy chromovirus (21 hits 20.4%)			0.0000	0.000
262	CL262	15300	102	0.015	30.50	Not available	Not available	LINE.L1 (17hits, 9.8%) Low_complexity (1hits, 0.307%) Simple_repeat (1hits, 0.17%)				0.0000	0.000
263	CL263	15150	101	0.014	30.50	Not available	Not available	DNA.MULE.MuDR (4hits, 1.67%) DNA.CMC.EnSpm (3hits, 1.15%) Simple_repeat (1hits, 0.152%)				0.0000	0.000
264	CL264	15150	101	0.014	30.50	Not available	Not available	Simple_repeat (5hits, 0.858%)		organelle/mitochondria (84 hits 83.2%)		0.0000	0.000
265	CL265	15000	100	0.014	30.60	Not available	Not available	LTR.Copia (54hits, 32.4%)	Ty1-INT Ty1/copia AleII (34 hits 34%) Ty1-PROT Ty1/copia AleII (9 hits 9%) Ty1-INT Ty1/copia AleI/Retrofit (2 hits 2%)			0.0000	0.000
266	CL266	15000	100	0.014	30.60	Not available	Not available	LTR.Copia (8hits, 2.81%) Simple_repeat (10hits, 2.66%) Low_complexity (4hits, 1.04%)	Ty1-PROT Ty1/copia Tork (7 hits 7%)	organelle/mitochondria (52 hits 52%)		0.0000	0.000
267	CL267	14850	99	0.014	30.60	Not available	Not available					0.0000	0.000


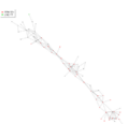
268	CL268	14700	98	0.014	30.60	Not available	Not available	Simple_repeat (2hits, available 0.367%)		0.0000	0.000
269	CL269	14250	95	0.014	30.60	Not available	Not available		organelle/mitochondria (44 hits 46.3%)	0.0000	0.000
270	CL270	14250	95	0.014	30.60	Not available	Not available		organelle/mitochondria (104 hits 109%)	0.0000	0.000
271	CL271	14100	94	0.013	30.60	Not available	Not available		organelle/mitochondria (47 hits 50%) organelle/plastid (2 hits 2.13%)	0.0000	0.000
272	CL272	14100	94	0.013	30.70	Not available	Not available	LTR.Copia (78hits, available 76.6%)	Ty1-RT Ty1/copia Tork (47 hits 50%) Ty1-RT Ty1/copia Ivana/Oryco (4 hits 4.26%)	0.0000	0.000
273	CL273	14100	94	0.013	30.70	Not available	Not available	Simple_repeat (1hits, available 0.22%)	organelle/mitochondria (50 hits 53.2%)	0.0000	0.000
274	CL274	13950	93	0.013	30.70	Not available	Not available		organelle/mitochondria (92 hits 98.9%)	0.0000	0.000
275	CL275	13950	93	0.013	30.70	Not available	Not available		organelle/mitochondria (87 hits 93.5%)	0.0000	0.000
276	CL276	13800	92	0.013	30.70	Not available	Not available	LTR.Copia (71hits, available 56%)	Ty1-GAG Ty1/copia Ivana/Oryco (35 hits 38%)	0.0000	0.000
277	CL277	13650	91	0.013	30.70	Not available	Not available		organelle/mitochondria (75 hits 82.4%) organelle/plastid (3 hits 3.3%)	0.0000	0.000
278	CL278	13500	90	0.013	30.70	Not available	Not available	LTR.Copia (24hits, available 17.7%)	Ty1-PROT Ty1/copia Angela (6 hits 6.67%)	0.0000	0.000

279	CL279	13350	89	0.013	30.70	Not available	Not available		organelle/mitochondria (113 hits 127%)		0.3584	1.124
280	CL280	13200	88	0.013	30.80	Not available	Not available		organelle/mitochondria (42 hits 47.7%)		0.0000	0.000
281	CL281	13200	88	0.013	30.80	Not available	Not available				0.0000	0.000
282	CL282	13200	88	0.013	30.80	Not available	Not available		organelle/mitochondria (31 hits 35.2%)		0.0000	0.000
283	CL283	13050	87	0.012	30.80	Not available	Not available	LTR.Gypsy (47hits, 44.7%) Ty3-GAG Ty3/gypsy chromovirus (24 hits 27.6%)			0.0000	0.000
284	CL284	13050	87	0.012	30.80	Not available	Not available	Simple_repeat (4hits, 1.1%) Low_complexity (4hits, 1.1%)	organelle/mitochondria (64 hits 73.6%)		0.0000	0.000
285	CL285	13050	87	0.012	30.80	Not available	Not available		organelle/mitochondria (98 hits 113%)		0.0000	0.000
286	CL286	12900	86	0.012	30.80	Not available	Not available	LTR.Copia (68hits, 76%) Ty1-RH Ty1/copia Angela (31 hits 36%) Ty1-RT Ty1/copia Angela (5 hits 5.81%) Ty1-RT Ty1/copia Tork (4 hits 4.65%) Ty1-RH Ty1/copia Alel/Retrofit (3 hits 3.49%) Ty1-RH Ty1/copia Tork (2 hits 2.33%)			0.0000	0.000
287	CL287	12900	86	0.012	30.80	Not available	Not available	LTR (45hits, 20.9%) LTR.Cassandra (19hits, 9.68%) LTR.Gypsy (1hits, 0.225%)			0.0000	0.000
288	CL288	12750	85	0.012	30.90	Not available	Not available		organelle/mitochondria (35 hits 41.2%)		0.0000	0.000

289	CL289	12600	84	0.012	30.90	Not available	Not available	LINE.L1 (28hits, 23.9%)	LINE-RT NA NA (45 hits 53.6%)	organelle/mitochondria (84 hits 100%)		0.9615	2.381
290	CL290	12600	84	0.012	30.90	Not available	Not available	LTR.Copia (7hits, 6.24%) Simple_repeat (5hits, 2.13%)				0.0000	0.000
291	CL291	12450	83	0.012	30.90	Not available	Not available	Simple_repeat (2hits, 0.578%)				2.3670	3.614
292	CL292	12450	83	0.012	30.90	Not available	Not available			organelle/mitochondria (4 hits 4.82%)		0.0000	0.000
293	CL293	12450	83	0.012	30.90	Not available	Not available	Low_complexity (7hits, 2.28%) Simple_repeat (5hits, 1.55%) Satellite (6hits, 1.49%)				0.0000	0.000
294	CL294	12450	83	0.012	30.90	Not available	Not available	Simple_repeat (5hits, 2.24%) Low_complexity (5hits, 1.86%)				0.0000	0.000
295	CL295	12450	83	0.012	30.90	Not available	Not available	Simple_repeat (4hits, 0.827%) Low_complexity (1hits, 0.281%)				0.0000	0.000
296	CL296	12300	82	0.012	31.00	Not available	Not available			organelle/mitochondria (96 hits 117%)		0.0000	0.000
297	CL297	12300	82	0.012	31.00	Not available	Not available	LTR.Copia (89hits, 72.3%)	Ty1-INT Ty1/copia AleII (42 hits 51.2%) Ty1-PROT Ty1/copia AleII (5 hits 6.1%)			0.0000	0.000
298	CL298	12150	81	0.012	31.00	Not available	Not available	Simple_repeat (1hits, 0.23%)				0.0000	0.000
299	CL299	12000	80	0.011	31.00	Not available	Not available	LTR.Copia (74hits, 86.9%) Simple_repeat (5hits, 0.833%)	Ty1-INT Ty1/copia Ivana/Oryco (41 hits 51.2%) Ty1-INT Ty1/copia AleII (5 hits 6.25%) Ty1-INT Ty1/copia TAR (1 hits 1.25%) Ty1-INT Ty1/copia Tork (1 hits 1.25%)			0.0000	0.000

300	CL300	12000	80	0.011	31.00	Not available	Not available	organelle/mitochondria (28 hits 35%)		0.0000	0.000	
301	CL301	12000	80	0.011	31.00	Not available	Not available	organelle/mitochondria (16 hits 20%)		0.0000	0.000	
302	CL302	11850	79	0.011	31.00	Not available	Not available	organelle/mitochondria (46 hits 58.2%)		0.0000	0.000	
303	CL303	11700	78	0.011	31.00	Not available	Not available Low_complexity (3hits, 0.923%) Simple_repeat (1hits, 0.308%)	organelle/mitochondria (57 hits 73.1%)		0.0000	0.000	
304	CL304	11700	78	0.011	31.00	Not available	Not available			0.0000	0.000	
305	CL305	11700	78	0.011	31.10	Not available	Not available	organelle/mitochondria (94 hits 121%)		0.0000	0.000	
306	CL306	11550	77	0.011	31.10	Not available	Not available	organelle/mitochondria (71 hits 92.2%)		0.0000	0.000	
307	CL307	11550	77	0.011	31.10	Not available	Not available Low_complexity (3hits, 0.987%) Simple_repeat (1hits, 0.303%)	organelle/mitochondria (27 hits 35.1%)		0.0000	0.000	
308	CL308	11550	77	0.011	31.10	Not available	Not available LTR.Copia (61hits, 68.1%)	Ty1-INT Ty1/copia unclass(Ale) (18 hits 23.4%) Ty1-INT Ty1/copia AleII (13 hits 16.9%) Ty1-PROT Ty1/copia AleI/Retrofit (5 hits 6.49%) Ty1-INT Ty1/copia AleI/Retrofit (4 hits 5.19%) Ty1-INT Ty1/copia Angela (.....)		0.0000	0.000	
309	CL309	11550	77	0.011	31.10	Not available	Not available LTR.Gypsy (4hits, 2.35%)	Ty3-RH Ty3/gypsy chromovirus (1 hits 1.3%)	organelle/mitochondria (96 hits 125%)		0.0000	0.000

310	CL310	11400	76	0.011	31.10	Not available	Not available		organelle/mitochondria (63 hits 82.9%)		0.0000	0.000	
311	CL311	11400	76	0.011	31.10	Not available	Not available	LTR.Copia (72hits, 86.1%)	Ty1-RH Ty1/copia Tork (27 hits 35.5%) Ty1-RT Ty1/copia Tork (23 hits 30.3%) Ty1-RH Ty1/copia Ivana/Oryco (2 hits 2.63%)		0.0000	0.000	
312	CL312	11250	75	0.011	31.10	Not available	Not available	LTR.Copia (74hits, 94.6%)	Ty1-RH Ty1/copia Tork (43 hits 57.3%) Ty1-RT Ty1/copia Tork (8 hits 10.7%)	organelle/mitochondria (9 hits 12%)		0.0000	0.000
313	CL313	11250	75	0.011	31.10	Not available	Not available	DNA.hAT.Ac (34hits, 35.7%) Simple_repeat (2hits, 0.587%)	DTA-CD1 NA NA (23 hits 30.7%)		0.0000	0.000	
314	CL314	11100	74	0.011	31.20	Not available	Not available		organelle/mitochondria (74 hits 100%)		0.0000	0.000	
315	CL315	11100	74	0.011	31.20	Not available	Not available	LINE.L1 (29hits, 24.1%) Simple_repeat (1hits, 0.216%)			0.0000	0.000	
316	CL316	10950	73	0.010	31.20	Not available	Not available	LTR.Gypsy (42hits, 54.9%)	Ty3-RT Ty3/gypsy Ogre/Tat (20 hits 27.4%) Ty3-RH Ty3/gypsy Athila (1 hits 1.37%)	organelle/mitochondria (8 hits 11%)		0.0000	0.000
317	CL317	10950	73	0.010	31.20	Not available	Not available	Low_complexity (6hits, 1.59%)		organelle/mitochondria (5 hits 6.85%)		0.0000	0.000
318	CL318	10650	71	0.010	31.20	Not available	Not available			organelle/mitochondria (60 hits 84.5%)		0.0000	0.000
319	CL319	10650	71	0.010	31.20	Not available	Not available			organelle/mitochondria (11 hits 15.5%)		0.0000	0.000
320	CL320	10650	71	0.010	31.20	Not available	Not available	LTR.Copia (11hits, 6.27%)		organelle/mitochondria (73 hits 103%)		0.0000	0.000

321	CL321	10650	71	0.010	31.20	Not available	Not available	LTR.Copia (10hits, 11.2%)	organelle/mitochondria (8 hits 11.3%)	0.0000	0.000
322	CL322	10650	71	0.010	31.20	Not available	Not available	LTR.Caulimovirus (8hits, 7.73%) Simple_repeat (13hits, 6.3%) LTR.Copia (2hits, 0.77%) Low_complexity (1hits, 0.732%)		0.0000	0.000
323	CL323	10500	70	0.010	31.20	Not available	Not available	Simple_repeat (1hits, 0.2%) DTM-CD1 NA NA (40 hits 57.1%) LINE-RT NA NA (1 hits 1.43%)		0.0000	0.000
324	CL324	10500	70	0.010	31.30	Not available	Not available	Simple_repeat (8hits, 1.89%)	organelle/mitochondria (1 hits 1.43%)	0.0000	0.000