

***Myotis lucifugus* Overlap Summary Files**

EDTA (redundancysummary.txt)

TOTAL OVERLAPPING BP: 3934462

=== OVERLAPPING BASE PAIR COUNTS BY CATEGORY PAIR ===

LINE vs LTR	123280
LINE vs LINE	2019393
LINE vs LINE-dependent	857773
DNA vs LINE	193942
DNA vs LTR	209427
DNA vs DNA	96268
DNA vs LINE-dependent	39469
LTR vs LTR	332267
LINE-dependent vs LTR	28222
LINE vs Unknown	4242
LTR vs Unknown	6822
LINE-dependent vs LINE-dependent	21876
DNA vs Unknown	1279
LINE-dependent vs Unknown	202

=== OVERLAPPING BASE PAIR COUNTS BY CATEGORY PAIR + OVERLAP RELATIONSHIP ===

LINE vs LTR partial	44959
LINE vs LINE partial	1216341
LINE vs LINE-dependent partial	533416
LINE vs LINE-dependent redundant	270549
DNA vs LINE partial	61236
DNA vs LTR partial	140232
LINE vs LINE redundant	755474
DNA vs DNA partial	70201
DNA vs LTR redundant	47052
DNA vs LINE DNA_contains_LINE	128057
DNA vs LINE-dependent DNA_contains_LINE-dependent	28701
DNA vs LTR DNA_contains_LTR	18354
DNA vs LINE-dependent partial	9458
LTR vs LTR redundant	37030
LTR vs LTR partial	22496
DNA vs DNA redundant	21784
LINE vs LINE LINE_contains_LINE	47578
LINE vs LINE-dependent LINE_contains_LINE-dependent	40619
LTR vs LTR LTR_contains_LTR	272741
LINE vs LTR LTR_contains_LINE	73947
LINE-dependent vs LTR LTR_contains_LINE-dependent	21220
DNA vs LTR LTR_contains_DNA	3789
LINE vs LTR redundant	3867

LINE vs LINE-dependent LINE-dependent_contains_LINE	13189
LINE vs Unknown partial	3355
LINE-dependent vs LTR partial	6639
DNA vs LINE redundant	4450
LTR vs Unknown partial	4631
DNA vs DNA DNA_contains_DNA	4283
LINE-dependent vs LINE-dependent partial	14023
LINE-dependent vs LINE-dependent redundant	7095
LINE-dependent vs LTR redundant	359
LTR vs Unknown LTR_contains_Unknown	588
LINE vs LTR LINE_contains_LTR	507
DNA vs Unknown partial	500
LTR vs Unknown redundant	1603
DNA vs LINE-dependent redundant	1310
LINE vs Unknown LINE_contains_Unknown	702
LINE-dependent vs LINE-dependent LINE-dependent_contains_LINE-dependent	758
DNA vs Unknown DNA_contains_Unknown	779
LINE-dependent vs Unknown partial	88
LINE vs Unknown redundant	185
DNA vs LINE LINE_contains_DNA	199
LINE-dependent vs LTR LINE-dependent_contains_LTR	4
LINE-dependent vs Unknown LINE-dependent_contains_Unknown	114

=== UNIQUE OVERLAPPING ROW COUNTS BY CATEGORY PAIR ===

LINE vs LTR	2926
LINE vs LINE	26064
LINE vs LINE-dependent	11472
DNA vs LINE	4375
DNA vs LTR	3876
DNA vs DNA	1806
DNA vs LINE-dependent	662
LTR vs LTR	754
LINE-dependent vs LTR	515
LINE vs Unknown	179
LTR vs Unknown	179
LINE-dependent vs LINE-dependent	695
DNA vs Unknown	28
LINE-dependent vs Unknown	8

=== UNIQUE OVERLAPPING ROW COUNTS BY CATEGORY PAIR + OVERLAP RELATIONSHIP ===

LINE vs LTR partial	2640
LINE vs LINE partial	19054
LINE vs LINE-dependent partial	8218
LINE vs LINE-dependent redundant	2649
DNA vs LINE partial	3549

DNA vs LTR partial	3183
LINE vs LINE redundant	6531
DNA vs DNA partial	1510
DNA vs LTR redundant	501
DNA vs LINE DNA_contains_LINE	762
DNA vs LINE-dependent DNA_contains_LINE-dependent	283
DNA vs LTR DNA_contains_LTR	158
DNA vs LINE-dependent partial	355
LTR vs LTR redundant	195
LTR vs LTR partial	392
DNA vs DNA redundant	262
LINE vs LINE LINE_contains_LINE	479
LINE vs LINE-dependent LINE_contains_LINE-dependent	415
LTR vs LTR LTR_contains_LTR	167
LINE vs LTR LTR_contains_LINE	219
LINE-dependent vs LTR LTR_contains_LINE-dependent	107
DNA vs LTR LTR_contains_DNA	34
LINE vs LTR redundant	59
LINE vs LINE-dependent LINE-dependent_contains_LINE	190
LINE vs Unknown partial	161
LINE-dependent vs LTR partial	399
DNA vs LINE redundant	61
LTR vs Unknown partial	136
DNA vs DNA DNA_contains_DNA	34
LINE-dependent vs LINE-dependent partial	605
LINE-dependent vs LINE-dependent redundant	80
LINE-dependent vs LTR redundant	8
LTR vs Unknown LTR_contains_Unknown	9
LINE vs LTR LINE_contains_LTR	8
DNA vs Unknown partial	14
LTR vs Unknown redundant	34
DNA vs LINE-dependent redundant	24
LINE vs Unknown LINE_contains_Unknown	14
LINE-dependent vs LINE-dependent LINE-dependent_contains_LINE-dependent	10
DNA vs Unknown DNA_contains_Unknown	14
LINE-dependent vs Unknown partial	6
LINE vs Unknown redundant	4
DNA vs LINE LINE_contains_DNA	3
LINE-dependent vs LTR LINE-dependent_contains_LTR	1
LINE-dependent vs Unknown LINE-dependent_contains_Unknown	2

RepeatModeler2 (redundancysummary.txt)

TOTAL OVERLAPPING BP: 667306

=== OVERLAPPING BASE PAIR COUNTS BY CATEGORY PAIR ===

LINE-dependent vs LINE-dependent 56964

LINE-dependent vs Unknown	135724
DNA vs LINE-dependent	12119
LINE vs LINE-dependent	34174
LINE vs LINE	267089
LTR vs LTR	8593
LINE vs LTR	8411
DNA vs DNA	36655
LINE-dependent vs LTR	20249
LINE vs Unknown	51592
DNA vs LTR	2756
DNA vs LINE	7076
LINE-dependent vs Non-TE	15908
Non-TE vs Non-TE	820
LTR vs Unknown	5392
LINE vs Non-TE	783
DNA vs Unknown	510
Non-TE vs Unknown	1597
Unknown vs Unknown	359
LTR vs Non-TE	341
DNA vs Non-TE	194

=== OVERLAPPING BASE PAIR COUNTS BY CATEGORY PAIR + OVERLAP
RELATIONSHIP ===

LINE-dependent vs LINE-dependent partial	56480
LINE-dependent vs Unknown partial	121451
DNA vs LINE-dependent partial	11872
LINE vs LINE-dependent partial	33564
LINE vs LINE partial	237994
LTR vs LTR partial	8579
LINE vs LTR partial	8172
DNA vs DNA partial	31526
LINE vs LINE LINE_contains_LINE	10136
LINE-dependent vs Unknown redundant	12788
LINE-dependent vs LTR partial	19716
LINE vs Unknown partial	44273
DNA vs LTR partial	2732
DNA vs LINE partial	7063
LINE-dependent vs Non-TE partial	11603
LINE-dependent vs Unknown LINE-dependent_contains_Unknown	1447
LINE vs Unknown redundant	6776
Non-TE vs Non-TE partial	398
LTR vs Unknown LTR_contains_Unknown	844
LINE vs Non-TE partial	783
DNA vs Unknown partial	493
Non-TE vs Unknown partial	967
LINE-dependent vs LTR redundant	290

DNA vs DNA redundant	4868
Non-TE vs Unknown redundant	372
LINE-dependent vs LINE-dependent redundant	335
LINE-dependent vs Unknown Unknown_contains_LINE-dependent	38
Unknown vs Unknown partial	343
LINE-dependent vs Non-TE redundant	3975
LTR vs Unknown partial	1488
LINE vs LINE-dependent LINE-dependent_contains_LINE	102
Non-TE vs Unknown Unknown_contains_Non-TE	258
LINE vs LINE redundant	18959
LINE-dependent vs LTR LINE-dependent_contains_LTR	193
DNA vs LINE-dependent LINE-dependent_contains_DNA	247
LTR vs Unknown redundant	3060
LINE vs Unknown Unknown_contains_LINE	307
LTR vs Non-TE partial	273
DNA vs LINE LINE_contains_DNA	13
LINE vs LTR redundant	225
LTR vs LTR LTR_contains_LTR	14
LINE vs Unknown LINE_contains_Unknown	236
DNA vs DNA DNA_contains_DNA	261
DNA vs Non-TE partial	194
LINE-dependent vs Non-TE LINE-dependent_contains_Non-TE	330
Non-TE vs Non-TE Non-TE_contains_Non-TE	146
Non-TE vs Non-TE redundant	276
LINE vs LINE-dependent redundant	469
LINE-dependent vs LINE-dependent LINE-dependent_contains_LINE-dependent	149
DNA vs LTR LTR_contains_DNA	24
Unknown vs Unknown Unknown_contains_Unknown	16
LINE vs LINE-dependent LINE_contains_LINE-dependent	39
LTR vs Non-TE LTR_contains_Non-TE	68
LINE-dependent vs LTR LTR_contains_LINE-dependent	50
LINE vs LTR LTR_contains_LINE	14
DNA vs Unknown DNA_contains_Unknown	17

=== UNIQUE OVERLAPPING ROW COUNTS BY CATEGORY PAIR ===

LINE-dependent vs LINE-dependent	6472
LINE-dependent vs Unknown	4976
DNA vs LINE-dependent	1931
LINE vs LINE-dependent	4552
LINE vs LINE	5226
LTR vs LTR	742
LINE vs LTR	991
DNA vs DNA	2436
LINE-dependent vs LTR	1856
LINE vs Unknown	1715
DNA vs LTR	410

DNA vs LINE	1017
LINE-dependent vs Non-TE	731
Non-TE vs Non-TE	64
LTR vs Unknown	150
LINE vs Non-TE	83
DNA vs Unknown	76
Non-TE vs Unknown	62
Unknown vs Unknown	38
LTR vs Non-TE	22
DNA vs Non-TE	28

=== UNIQUE OVERLAPPING ROW COUNTS BY CATEGORY PAIR + OVERLAP RELATIONSHIP ===

LINE-dependent vs LINE-dependent partial	6447
LINE-dependent vs Unknown partial	4612
DNA vs LINE-dependent partial	1920
LINE vs LINE-dependent partial	4531
LINE vs LINE partial	4952
LTR vs LTR partial	740
LINE vs LTR partial	984
DNA vs DNA partial	2347
LINE vs LINE LINE_contains_LINE	161
LINE-dependent vs Unknown redundant	300
LINE-dependent vs LTR partial	1836
LINE vs Unknown partial	1565
DNA vs LTR partial	408
DNA vs LINE partial	1016
LINE-dependent vs Non-TE partial	596
LINE-dependent vs Unknown LINE-dependent_contains_Unknown	61
LINE vs Unknown redundant	122
Non-TE vs Non-TE partial	44
LTR vs Unknown LTR_contains_Unknown	12
LINE vs Non-TE partial	83
DNA vs Unknown partial	74
Non-TE vs Unknown partial	41
LINE-dependent vs LTR redundant	10
DNA vs DNA redundant	78
Non-TE vs Unknown redundant	13
LINE-dependent vs LINE-dependent redundant	14
LINE-dependent vs Unknown Unknown_contains_LINE-dependent	3
Unknown vs Unknown partial	36
LINE-dependent vs Non-TE redundant	125
LTR vs Unknown partial	120
LINE vs LINE-dependent LINE-dependent_contains_LINE	8
Non-TE vs Unknown Unknown_contains_Non-TE	8
LINE vs LINE redundant	113

LINE-dependent vs LTR LINE-dependent_contains_LTR	9
DNA vs LINE-dependent LINE-dependent_contains_DNA	11
LTR vs Unknown redundant	18
LINE vs Unknown Unknown_contains_LINE	12
LTR vs Non-TE partial	20
DNA vs LINE LINE_contains_DNA	1
LINE vs LTR redundant	6
LTR vs LTR LTR_contains_LTR	2
LINE vs Unknown LINE_contains_Unknown	16
DNA vs DNA DNA_contains_DNA	11
DNA vs Non-TE partial	28
LINE-dependent vs Non-TE LINE-dependent_contains_Non-TE	10
Non-TE vs Non-TE Non-TE_contains_Non-TE	4
Non-TE vs Non-TE redundant	16
LINE vs LINE-dependent redundant	8
LINE-dependent vs LINE-dependent LINE-dependent_contains_LINE-dependent	11
DNA vs LTR LTR_contains_DNA	2
Unknown vs Unknown Unknown_contains_Unknown	2
LINE vs LINE-dependent LINE_contains_LINE-dependent	5
LTR vs Non-TE LTR_contains_Non-TE	2
LINE-dependent vs LTR LTR_contains_LINE-dependent	1
LINE vs LTR LTR_contains_LINE	1
DNA vs Unknown DNA_contains_Unknown	2

Earl Grey (redundancysummary.txt)

TOTAL OVERLAPPING BP: 93527

=== OVERLAPPING BASE PAIR COUNTS BY CATEGORY PAIR ===

DNA vs DNA	4247
DNA vs LINE	11747
LINE vs LINE	13289
Non-TE vs Non-TE	13763
LINE vs LINE-dependent	4543
DNA vs LTR	7206
LTR vs Non-TE	2039
LINE-dependent vs LTR	2043
DNA vs Non-TE	1492
Non-TE vs Unknown	1555
LINE vs Non-TE	6764
LINE vs LTR	9718
LINE vs Unknown	6620
LTR vs LTR	3619
LINE-dependent vs LINE-dependent	1329
LINE-dependent vs Non-TE	1083
LINE-dependent vs Unknown	418
DNA vs LINE-dependent	1662

LTR vs Unknown 333
DNA vs Unknown 57

=== OVERLAPPING BASE PAIR COUNTS BY CATEGORY PAIR + OVERLAP
RELATIONSHIP ===

DNA vs DNA|DNA_contains_DNA 4132
DNA vs DNA|partial 115
DNA vs LINE|LINE_contains_DNA 9806
LINE vs LINE|LINE_contains_LINE 12691
Non-TE vs Non-TE|Non-TE_contains_Non-TE 13624
LINE vs LINE-dependent|LINE_contains_LINE-dependent 3098
DNA vs LTR|LTR_contains_DNA 5642
LTR vs Non-TE|LTR_contains_Non-TE 1978
LINE-dependent vs LTR|partial 24
DNA vs Non-TE|DNA_contains_Non-TE 1288
Non-TE vs Unknown|Unknown_contains_Non-TE 1426
LINE vs Non-TE|LINE_contains_Non-TE 6526
LINE vs LTR|LINE_contains_LTR 2867
LINE vs LINE|partial 598
LINE vs Unknown|LINE_contains_Unknown 5986
LINE vs LTR|LTR_contains_LINE 6095
DNA vs LINE|DNA_contains_LINE 1865
LINE vs LINE-dependent|LINE-dependent_contains_LINE 1298
LTR vs LTR|LTR_contains_LTR 3529
LINE vs Unknown|partial 535
DNA vs LTR|partial 108
DNA vs LTR|DNA_contains_LTR 1456
LINE vs LINE-dependent|partial 147
LINE-dependent vs LINE-dependent|LINE-dependent_contains_LINE-dependent 1241
LINE-dependent vs LTR|LINE-dependent_contains_LTR 1302
LINE-dependent vs Non-TE|Non-TE_contains_LINE-dependent 236
LINE vs LTR|partial 680
DNA vs Non-TE|Non-TE_contains_DNA 188
LINE-dependent vs LTR|LTR_contains_LINE-dependent 717
LTR vs LTR|partial 90
LINE-dependent vs Non-TE|LINE-dependent_contains_Non-TE 847
LINE vs Non-TE|partial 19
LINE-dependent vs Unknown|LINE-dependent_contains_Unknown 257
DNA vs LINE-dependent|LINE-dependent_contains_DNA 1127
LINE vs Unknown|redundant 73
LINE-dependent vs LINE-dependent|partial 88
DNA vs LINE|partial 76
DNA vs LINE-dependent|DNA_contains_LINE-dependent 477
DNA vs LINE-dependent|partial 58
LINE vs Non-TE|Non-TE_contains_LINE 219
LTR vs Unknown|LTR_contains_Unknown 166

DNA vs Non-TE partial	16	
LINE-dependent vs Unknown Unknown_contains_LINE-dependent		124
LINE vs LTR redundant	76	
Non-TE vs Non-TE redundant	41	
LTR vs Unknown partial	137	
LTR vs Non-TE Non-TE_contains_LTR	61	
Non-TE vs Unknown partial	83	
LINE-dependent vs Unknown partial	37	
Non-TE vs Non-TE partial	98	
LTR vs Unknown Unknown_contains_LTR	30	
DNA vs Unknown DNA_contains_Unknown	57	
Non-TE vs Unknown Non-TE_contains_Unknown	46	
LINE vs Unknown Unknown_contains_LINE	26	

=== UNIQUE OVERLAPPING ROW COUNTS BY CATEGORY PAIR ===

DNA vs DNA	124
DNA vs LINE	263
LINE vs LINE	309
Non-TE vs Non-TE	627
LINE vs LINE-dependent	115
DNA vs LTR	180
LTR vs Non-TE	88
LINE-dependent vs LTR	49
DNA vs Non-TE	68
Non-TE vs Unknown	74
LINE vs Non-TE	332
LINE vs LTR	227
LINE vs Unknown	185
LTR vs LTR	82
LINE-dependent vs LINE-dependent	42
LINE-dependent vs Non-TE	39
LINE-dependent vs Unknown	14
DNA vs LINE-dependent	42
LTR vs Unknown	12
DNA vs Unknown	2

=== UNIQUE OVERLAPPING ROW COUNTS BY CATEGORY PAIR + OVERLAP RELATIONSHIP ===

DNA vs DNA DNA_contains_DNA	112
DNA vs DNA partial	12
DNA vs LINE LINE_contains_DNA	209
LINE vs LINE LINE_contains_LINE	260
Non-TE vs Non-TE Non-TE_contains_Non-TE	624
LINE vs LINE-dependent LINE_contains_LINE-dependent	66
DNA vs LTR LTR_contains_DNA	132
LTR vs Non-TE LTR_contains_Non-TE	86

LINE-dependent vs LTR partial	6
DNA vs Non-TE DNA_contains_Non-TE	60
Non-TE vs Unknown Unknown_contains_Non-TE	68
LINE vs Non-TE LINE_contains_Non-TE	324
LINE vs LTR LINE_contains_LTR	75
LINE vs LINE partial	49
LINE vs Unknown LINE_contains_Unknown	158
LINE vs LTR LTR_contains_LINE	122
DNA vs LINE DNA_contains_LINE	45
LINE vs LINE-dependent LINE-dependent_contains_LINE	32
LTR vs LTR LTR_contains_LTR	74
LINE vs Unknown partial	23
DNA vs LTR partial	18
DNA vs LTR DNA_contains_LTR	30
LINE vs LINE-dependent partial	17
LINE-dependent vs LINE-dependent LINE-dependent_contains_LINE-dependent	34
LINE-dependent vs LTR LINE-dependent_contains_LTR	27
LINE-dependent vs Non-TE Non-TE_contains_LINE-dependent	7
LINE vs LTR partial	28
DNA vs Non-TE Non-TE_contains_DNA	6
LINE-dependent vs LTR LTR_contains_LINE-dependent	16
LTR vs LTR partial	8
LINE-dependent vs Non-TE LINE-dependent_contains_Non-TE	32
LINE vs Non-TE partial	2
LINE-dependent vs Unknown LINE-dependent_contains_Unknown	10
DNA vs LINE-dependent LINE-dependent_contains_DNA	26
LINE vs Unknown redundant	2
LINE-dependent vs LINE-dependent partial	8
DNA vs LINE partial	9
DNA vs LINE-dependent DNA_contains_LINE-dependent	12
DNA vs LINE-dependent partial	4
LINE vs Non-TE Non-TE_contains_LINE	6
LTR vs Unknown LTR_contains_Unknown	4
DNA vs Non-TE partial	2
LINE-dependent vs Unknown Unknown_contains_LINE-dependent	2
LINE vs LTR redundant	2
Non-TE vs Non-TE redundant	1
LTR vs Unknown partial	6
LTR vs Non-TE Non-TE_contains_LTR	2
Non-TE vs Unknown partial	4
LINE-dependent vs Unknown partial	2
Non-TE vs Non-TE partial	2
LTR vs Unknown Unknown_contains_LTR	2
DNA vs Unknown DNA_contains_Unknown	2
Non-TE vs Unknown Non-TE_contains_Unknown	2
LINE vs Unknown Unknown_contains_LINE	2