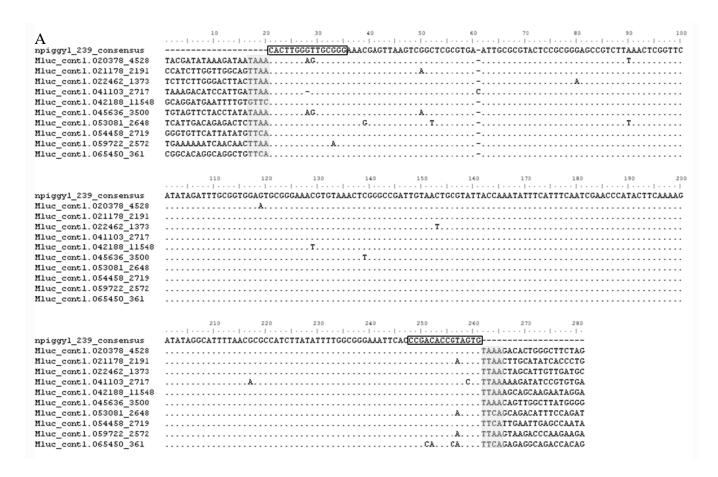
Supplemental Figure

Supplemental Figure S1. Representative alignments for three subfamilies recovered during this analysis: A) a nonautonomous piggyBac1_ML element; B) a nonautonomous hAT1_ML element; C) a non-autonomous Tc2 element. For all, the presumed TSD is outlined in black and the TSDs that are characteristic of the family are shaded in gray. Identical residues below the consensus are indicated by "." and indels are indicated by "-"



Ray et al. - Transposons in *Myotis lucifugus*

B nhAT1_239a_consensus Miuc_contl.000608_2072 Miuc_contl.001009_6307 Miuc_contl.005237_1270 Miuc_contl.014030_9544 Miuc_contl.014030_9544 Miuc_contl.0946453_18410 Miuc_contl.094254_1495 Miuc_contl.104958_1817 Miuc_contl.115850_12906 Miuc_contl.115850_12906 Miuc_contl.132846_1554	10 20 30 40 50 40 70 80 90 100
nhAT1_239a_consensus Mluc_cont1.000608_2072 Mluc_cont1.001009_6307 Mluc_cont1.005237_1270 Mluc_cont1.014030_9544 Mluc_cont1.046453_18410 Mluc_cont1.0946453_18410 Mluc_cont1.094254_1495 Mluc_cont1.104958_1817 Mluc_cont1.115850_12906 Mluc_cont1.115850_12906 Mluc_cont1.132846_1554	110 120 130 140 150 160 170 180 190 200
nhAT1_239a_consensus Mluc_contl.000608_2072 Mluc_contl.001009_6307 Mluc_contl.005237_1270 Mluc_contl.014030_9544 Mluc_contl.046453_18410 Mluc_contl.093381_63 Mluc_contl.094254_1495 Mluc_contl.104958_1817 Mluc_contl.115850_12906 Mluc_contl.115850_12906 Mluc_contl.132846_1554	TAME
nhAT1_239a_consensus Miuc_cont1.000608_2072 Miuc_cont1.001009_6307 Miuc_cont1.005237_1270 Miuc_cont1.014030_9544 Miuc_cont1.046453_18410 Miuc_cont1.084381_63 Miuc_cont1.094254_1495 Miuc_cont1.104958_1817 Miuc_cont1.115850_12906 Miuc_cont1.115850_12906 Miuc_cont1.132846_1554	ATCAAGGATGG CAGATGTGCAG GTCTTCCTCAG CTGATGTAGTC GATGGCTGAGC CTCCTAAACAC ATCGTCTCCAA GTGTCCTGCTC TATCAAATTAC ACTCGCTTTGG

Ray et al. - Transposons in *Myotis lucifugus*

C	10 20 30 40 50 60 70 80 90 100
nTc2_527_consensus Hluc_cont1.087472_2447 Hluc_cont1.11057_5805 Hluc_cont1.018722_481 Hluc_cont1.060466_101 Hluc_cont1.020727_688 Hluc_cont1.215841_1303 Hluc_cont1.215841_1303 Hluc_cont1.08127_12901 Hluc_cont1.282421_7894 Hluc_cont1.232421_7894 Hluc_cont1.288193_1284	CGTATTHTTCCGTGTATAAGACGCCTA
nTc2_527_consensus Hluc_cont.1.087472_2447 Hluc_cont.1.111087_5805 Hluc_cont.1.018722_481 Hluc_cont.1.060466_101 Hluc_cont.020727_688 Hluc_cont.2.128441_1303 Hluc_cont.2.1282669_519 Hluc_cont.061271_2901 Hluc_cont.1.282421_7894 Hluc_cont.1.282421_7894 Hluc_cont.1.2828193_1284	110 120 130 140 150 160 170 180 190 200
nTc2_527_consensus Hluc_cont1.087472_2447 Hluc_cont1.011057_5805 Hluc_cont1.018722_481 Hluc_cont1.060466_101 Hluc_cont1.020727_688 Hluc_cont1.215841_1303 Hluc_cont1.285269_519 Hluc_cont1.01271_2901 Hluc_cont1.232421_7894 Hluc_cont1.232421_7894 Hluc_cont1.288193_1284	210 220 230 240 250 240 270 280 290 300 TGATGCCGTAATTGCAGGTGCAGGGTGCAGACTGCAA-CAGGGACCGCAGCGTTCTGAGCCCATAAAGATGTCAAAAAATA-AAAAAG
nTc2_527_consensus Hluc_cont1.087472_2447 Hluc_cont1.011057_8805 Hluc_cont1.060466_101 Hluc_cont1.060466_101 Hluc_cont1.02727_688 Hluc_cont1.215841_1303 Hluc_cont1.286269_519 Hluc_cont1.0217_1901 Hluc_cont1.232421_7894 Hluc_cont1.232421_7894 Hluc_cont1.288193_1284	310 320 330 340 350 360 370 380 390 420 ATANATACCOCTARACCOTTATCTCTCANAATTC-ANACTCANATCANCTCATCCANAAGACCATTACACCCTATCCANAAGACCATTCAACCAAATTCAACCCTCAACACACACACAC
nTc2_527_consensus Hluc_cont1.087472_2447 Hluc_cont1.011057_5805 Hluc_cont1.060466_101 Hluc_cont1.02072_688 Hluc_cont1.20727_688 Hluc_cont1.215841_1303 Hluc_cont1.08127_2901 Hluc_cont1.285269_519 Hluc_cont1.232421_7894 Hluc_cont1.232421_7894 Hluc_cont1.232421_7894	410 420 430 440 450 440 470 480 450 500 500
nTc2_527_consensus Hluc_cont1.087472_2447 Hluc_cont1.111057_5805 Hluc_cont1.018722_481 Hluc_cont1.060466_101 Hluc_cont1.020727_688 Hluc_cont1.215841_1303 Hluc_cont1.226269_519 Hluc_cont1.262629_519 Hluc_cont1.061271_2901 Hluc_cont1.032421_7894 Hluc_cont1.232421_7894 Hluc_cont1.238919_1284	NACCAGCAAAATGITIAAAA - TATIGATITCITAATITI - TGGGTIGGAAAAGGGGGGGGGC-CGTCITATACACGGAAAAATACGGCGC - A
nTc2_527_consensus Hiuc_cont1.087472_2447 Hiuc_cont1.01872_8805 Hiuc_cont1.018722_481 Hiuc_cont1.018722_481 Hiuc_cont1.020727_688 Hiuc_cont1.020727_688 Hiuc_cont1.215841_1303 Hiuc_cont1.215841_1303 Hiuc_cont1.215841_737	ATATATCTATT CCCTCCCCAGT ACCTCTCAGT AGAATCTACT AAGTCATTITT CCACACCACAC CTCCTTTAAA CTTACAAATCA ATTTGGGATTG GTGATACCTAC