

Supplementary Data 1. Summary of 71 miRNA-containing introns in rice.

Intron, ss/as ¹	MIR gene(s)	miRNA(s)	Length of miR(s)	Page ²
LOC_Os01g12240.1 intron_4, ss	osa-MIR159f	osa-miR159f	21	5-6
LOC_Os01g36640.1 intron_3, ss	osa-MIR1847	osa-miR1847.1, osa-miR1847.2	21/24	7-8
LOC_Os01g46070.1 intron_4, ss	osa-MIR1862a	osa-miR1862a	24	9-10
LOC_Os01g46970.1 intron_1, ss	osa-MIR2862	osa-miR2862	21	11-12
LOC_Os01g47540.1 intron_3, ss	osa-MIR2870	osa-miR2870	21	13-14
LOC_Os01g71220.1 intron_1, as	osa-MIR819a	osa-miR819a	22	15-16
LOC_Os01g73460.1 intron_2, ss	osa-MIR2099	osa-miR2099-3p, osa-miR2099-5p	20/22	17-18
LOC_Os02g14020.1 intron_1, ss	osa-MIR399i	osa-miR399i	21	19-20
LOC_Os02g18660.1 intron_1, ss	osa-MIR1884a	osa-miR1884a	22	21-22
LOC_Os02g25580.1 intron_13, ss	osa-MIR1864	osa-miR1864	24	23-24
LOC_Os02g28830.1 intron_6, ss	osa-MIR437	osa-miR437, osa-miR437-3p.2, osa-miR437-3p.3	21/24	25-26
LOC_Os02g31960.1 intron_1, ss	osa-MIR2879	osa-miR2879	24	27-28
LOC_Os02g55110.1 intron_3, ss	osa-MIR819c	osa-miR819c	22	29-30
LOC_Os02g57410.1 intron_1, ss	osa-MIR418	osa-miR418	21	31-32
LOC_Os02g58790.1 intron_9, ss	osa-MIR818c	osa-miR818c	22	33-34
LOC_Os03g06640.1 intron_1, ss	osa-MIR167g	osa-miR167g	21	35-36
LOC_Os03g13560.1 intron_4, ss	osa-MIR2866	osa-miR2866	20	37-38
LOC_Os03g16080.1 intron_6, ss	osa-MIR808	osa-miR808	22	39-40
LOC_Os03g19340.1 intron_18, ss	osa-MIR819d	osa-miR819d	22	41-42
LOC_Os03g23950.1 intron_1, ss	osa-MIR2905	osa-miR2905	21	43-44
LOC_Os03g47360.1 intron_3, ss	osa-MIR809a	osa-miR809a	22	45-46
LOC_Os03g47760.1 intron_10, ss	osa-MIR2863a	osa-miR2863a	21	47-48

LOC_Os03g52284.1 intron_2, as	osa-MIR171f	osa-miR171f	21	49-50
LOC_Os03g53190.1 intron_2, ss	osa-MIR1867	osa-miR1867	24	51-52
LOC_Os03g64190.1 intron_4, ss	osa-MIR819e	osa-miR819e	22	53-54
LOC_Os04g32710.1 intron_3, ss	osa-MIR1423, osa-MIR1868	osa-MIR1423b, osa-miR1423, osa-miR1423b, osa-miR1868.1, osa-miR1868.2	osa-miR1423-3p.2, osa-miR1423-5p.2, 21/22/24	55-56
LOC_Os04g36810.1 intron_1, ss	osa-MIR1849	osa-miR1849, osa-miR1849.2	21/24	57-58
LOC_Os04g48040.1 intron_3, ss	osa-MIR2877	osa-miR2877	24	59-60
LOC_Os04g54400.1 intron_3, ss	osa-MIR442	osa-miR442	24	61-62
LOC_Os04g58780.1 intron_11, as	osa-MIR818d	osa-miR818d	22	63-64
LOC_Os05g25770.1 intron_1, ss	osa-MIR815b	osa-miR815b	21	65-66
LOC_Os05g34940.1 intron_6, ss	osa-MIR1852	osa-miR1852	21	67-68
LOC_Os05g46350.1 intron_2, as	osa-MIR809b	osa-miR809b	22	69-70
LOC_Os05g46460.1 intron_6, ss	osa-MIR2869	osa-miR2869	21	71-72
LOC_Os05g48970.1 intron_1, ss	osa-MIR819g	osa-miR819g	22	73-74
LOC_Os06g22850.2 intron_2, ss	osa-MIR1871	osa-miR1871	24	75-76
LOC_Os06g29650.1 intron_1, ss	osa-MIR28761	osa-miR2876	21/24	77-78
LOC_Os06g36160.1 intron_2, ss	osa-MIR1870	osa-miR1870-3p, osa-miR1870-5p	24	79-80
LOC_Os07g22640.1 intron_9, ss	osa-MIR1873	osa-miR1873.1, osa-miR1873.2	24	81-82
LOC_Os07g25660.1 intron_1, ss	osa-MIR809d	osa-miR809d	22	83-84
LOC_Os07g46540.1 intron_12, as	osa-MIR819i	osa-miR819i	22	85-86
LOC_Os07g47040.1 intron_1, ss	osa-MIR445a	osa-miR445a	24	87-88
LOC_Os08g02870.1 intron_3, as	osa-MIR531	osa-miR531	24	89-90
LOC_Os08g04190.1 intron_1, ss	osa-MIR1429	osa-miR1429-3p, osa-miR1429-3p.2, osa-miR1429-5p, osa-miR1429-5p.2	21/24	91-92
LOC_Os08g10240.1 intron_1, ss	osa-MIR827	osa-miR827	21	93-94
LOC_Os08g15204.1 intron_2, ss	osa-MIR1427	osa-miR1427	21	95-96

LOC_Os08g25624.1 intron_7, ss	osa-MIR2874	osa-miR2874	24	97-98
LOC_Os08g31940.1 intron_1, ss	osa-MIR812j	osa-miR812j	24	99-100
LOC_Os08g41460.1 intron_6, ss	osa-MIR2878	osa-miR2878-3p, osa-miR2878-5p	24	101-102
LOC_Os08g42850.1 intron_4, ss	osa-MIR2875	osa-miR2875	24	103-104
LOC_Os09g14410.1 intron_1, ss	osa-MIR2865	osa-miR2865	22	105-106
LOC_Os10g04900.1 intron_1, ss	osa-MIR811b	osa-miR811b	24	107-108
LOC_Os10g08930.1 intron_2, ss	osa-MIR1862d, osa-MIR1884b	osa-MIR1876, osa-miR1862d, osa-miR1876, osa-miR1884b	24	109-110
LOC_Os10g10160.1 intron_3, ss	osa-MIR439b	osa-miR439b	21	111-112
LOC_Os10g10244.1 intron_5, ss	osa-MIR1879	osa-miR1879	24	113-114
LOC_Os10g30410.1 intron_1, ss	osa-MIR439j	osa-miR439j	21	115-116
LOC_Os10g30860.1 intron_1, ss	osa-MIR1862c	osa-miR1862c	24	117-118
LOC_Os10g35060.1 intron_4, ss	osa-MIR819k	osa-miR819k	22	119-120
LOC_Os11g05562.1 intron_3, ss	osa-MIR1862e, osa-MIR2872	osa-miR1862e, osa-miR2872	21/24	121-122
LOC_Os11g05850.2 intron_1, ss	osa-MIR1857	osa-miR1857-3p, osa-miR1857-5p	21	123-124
LOC_Os11g16540.1 intron_8, ss	osa-MIR440	osa-miR440	24	125-126
LOC_Os11g18366.2 intron_1, ss	osa-MIR1856	osa-miR1856	21	127-128
LOC_Os11g23880.1 intron_2, ss	osa-MIR1883a	osa-miR1883a	24	129-130
LOC_Os11g24484.1 intron_1, ss	osa-MIR1880	osa-miR1880	24	131-132
LOC_Os11g28300.1 intron_6, ss	osa-MIR2867	osa-miR2867	22	133-134
LOC_Os11g30790.1 intron_3, ss	osa-MIR2868	osa-miR2868	20	135-136
LOC_Os11g43030.1 intron_1, as	osa-MIR809g	osa-miR809g	22	137-138
LOC_Os11g44530.1 intron_1, as	osa-MIR531	osa-miR531	24	139-140
LOC_Os12g09290.1 intron_1, ss	osa-MIR1863b, osa-MIR1863c	osa-miR1863b, osa-miR1863c	24	141-142
LOC_Os12g28520.1 intron_1, ss	osa-MIR2103	osa-miR2103	22	143-144
LOC_Os12g41430.3 intron_3, ss	osa-MIR2864	osa-miR2864.1, osa-miR2864.2	21	145³

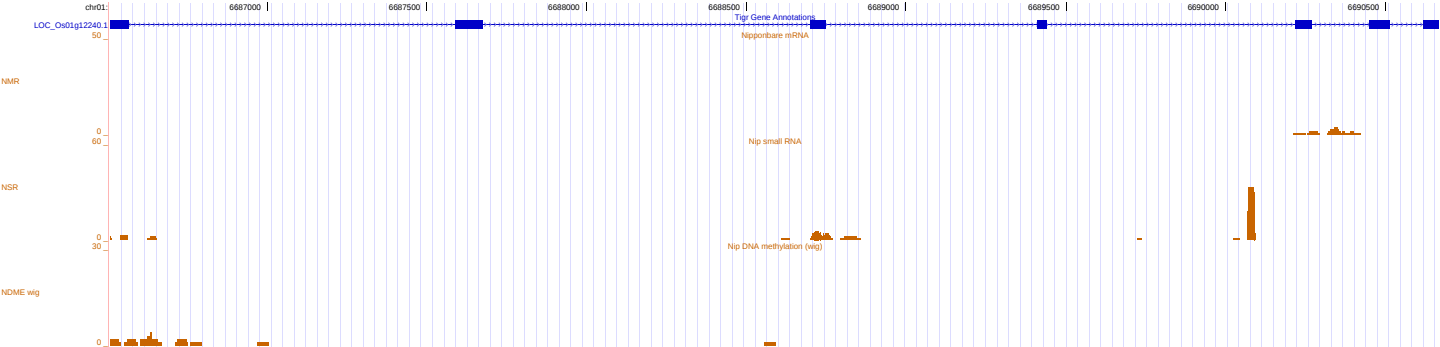
- 1: The orientation of *MIR* gene to the introns. as: antisense-strand; ss: sense strand.
- 2: Jump to the page to see the secondary structure of the intron, and gene expression, sRNA transcription and DNA methylation landscapes of its host gene.
- 3: This gene (LOC_Os12g41430.3) did not annotate in TIGR rice release 5.0.

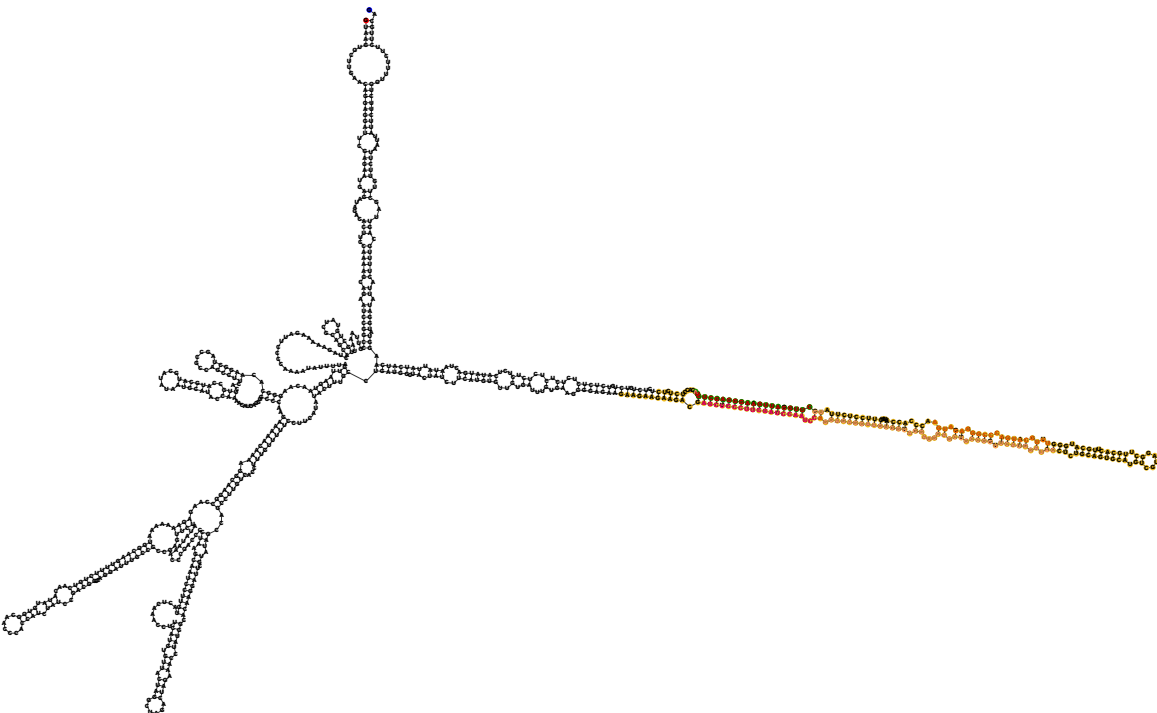
Note:

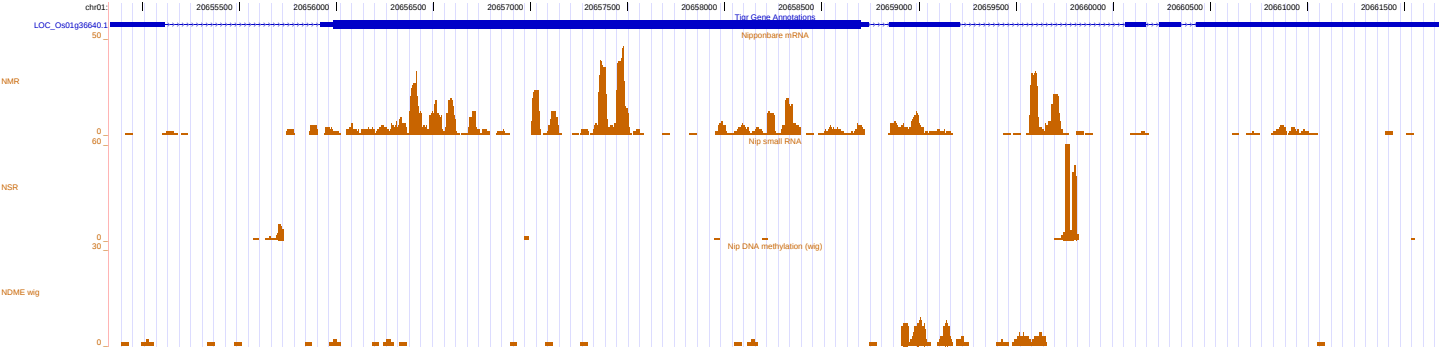
- All secondary structures were predicted using RNAfold program in the Vienna RNA package (Hofacker 2003).
- The intronic *MIR* gene loci from the sense and antisense strand were highlighted by yellow and blue background, respectively. Mature miRNA sequences were colored as green background.
- sRNAs from GSM455965 dataset (the highest sequenced library of all we have collected) were highlighted with different colors (See below) according to their abundances. The first and last nucleotides of each intron were colored by red and blue background, respectively.

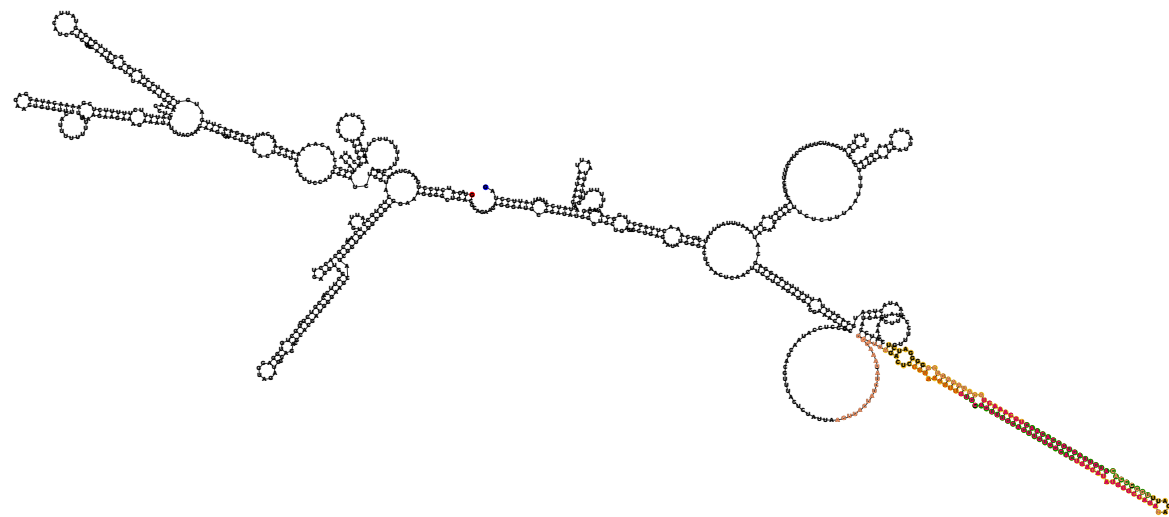


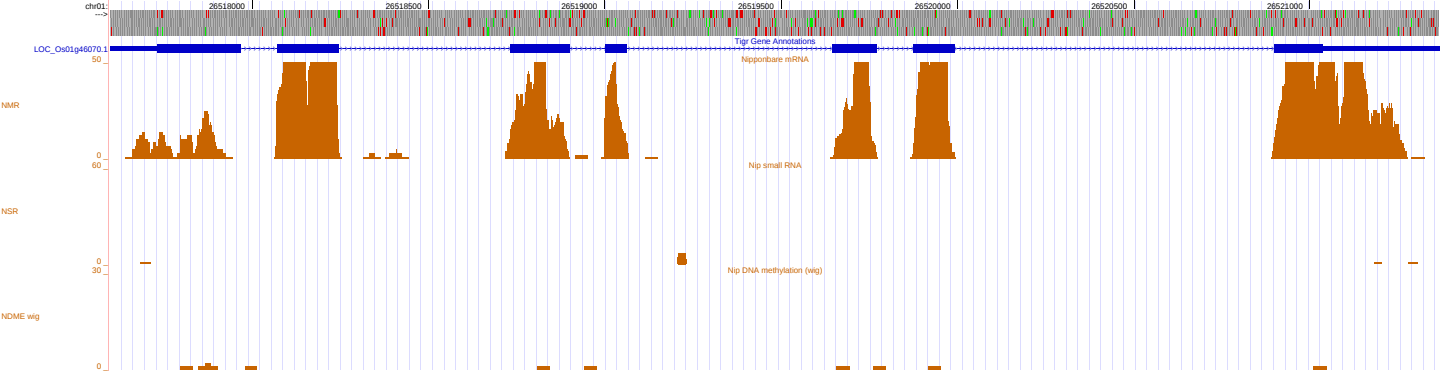
- The gene expression, sRNA profiling and DNA methylation of host genes were obtained from the UCSC genome browser (<http://159.226.118.31:9311/cgi-bin/hgGateway?org=Nipponbare&db=nipp>).

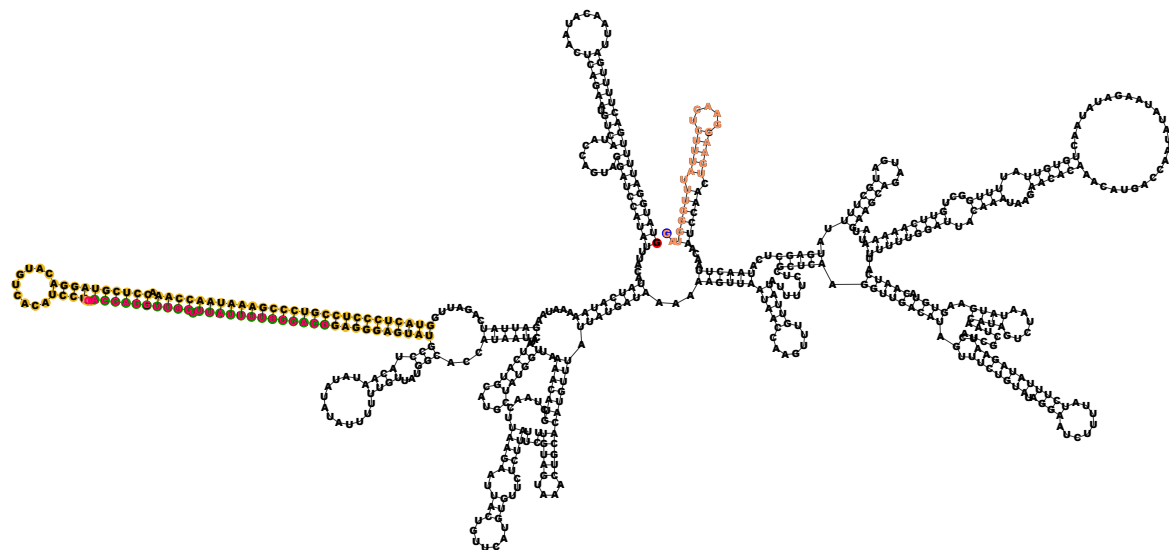


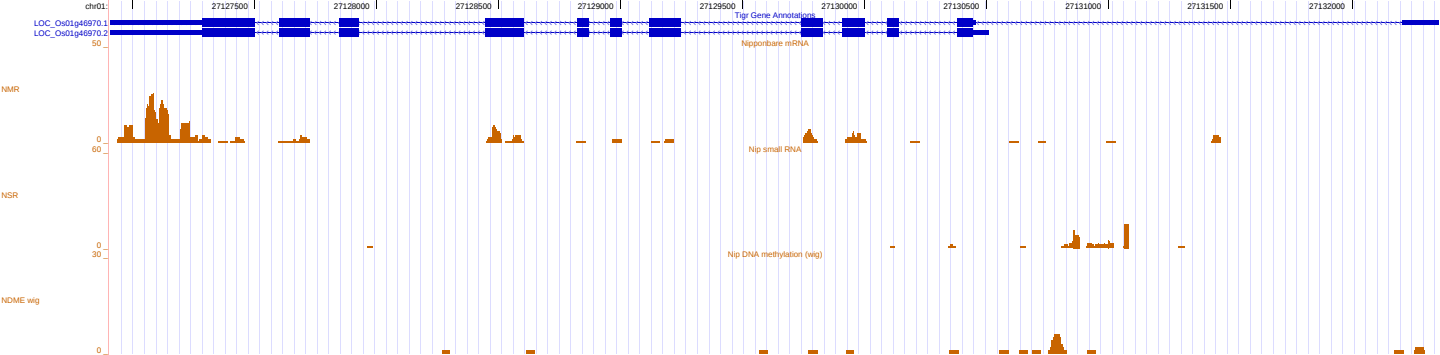


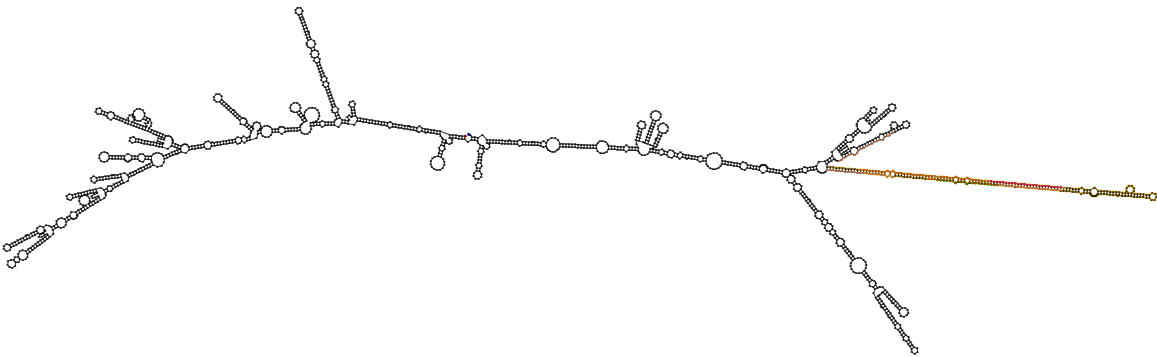


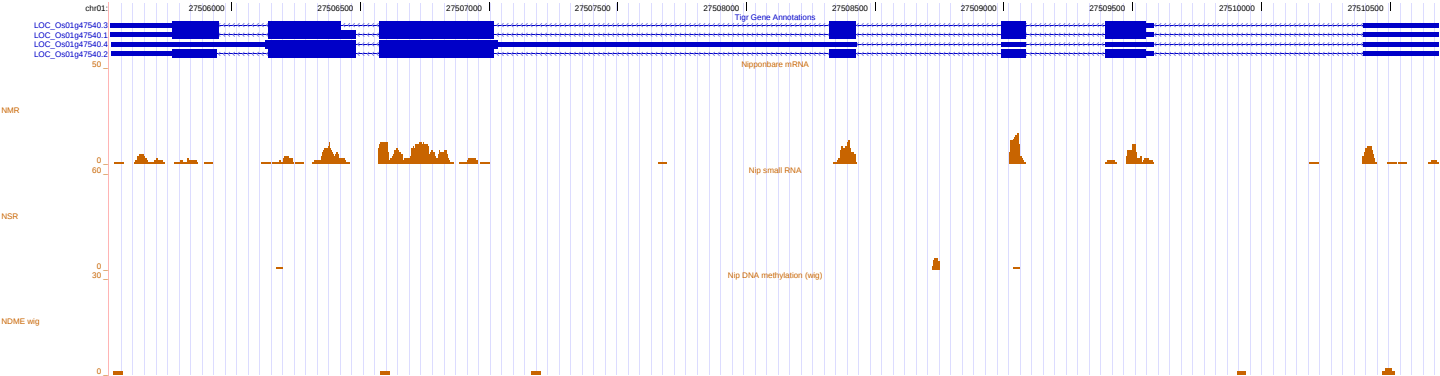


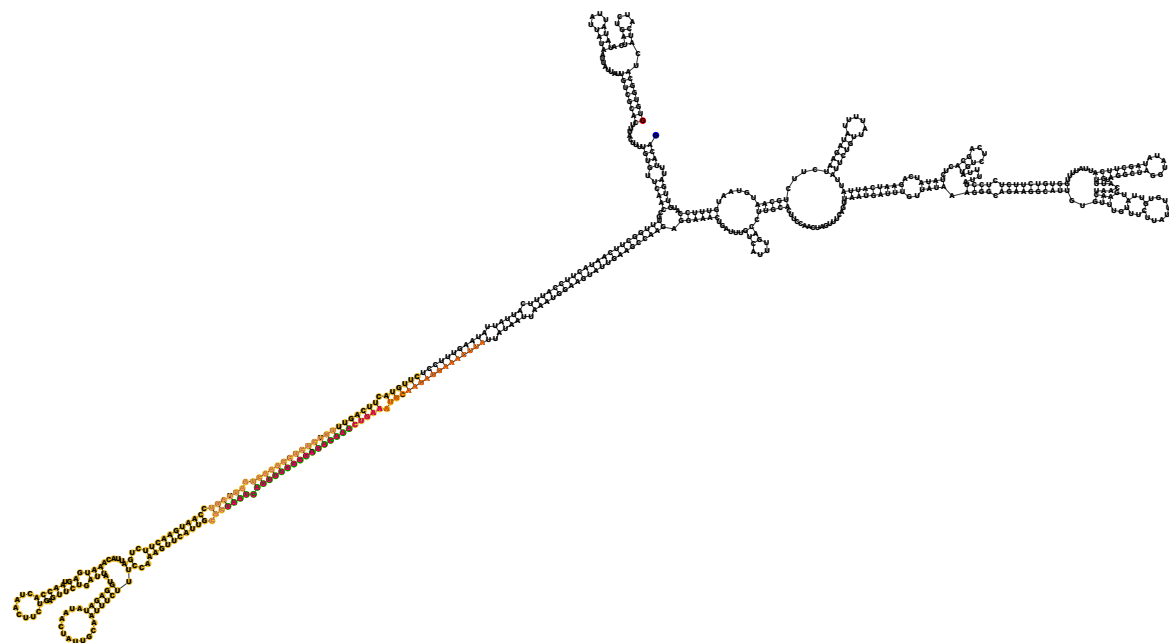


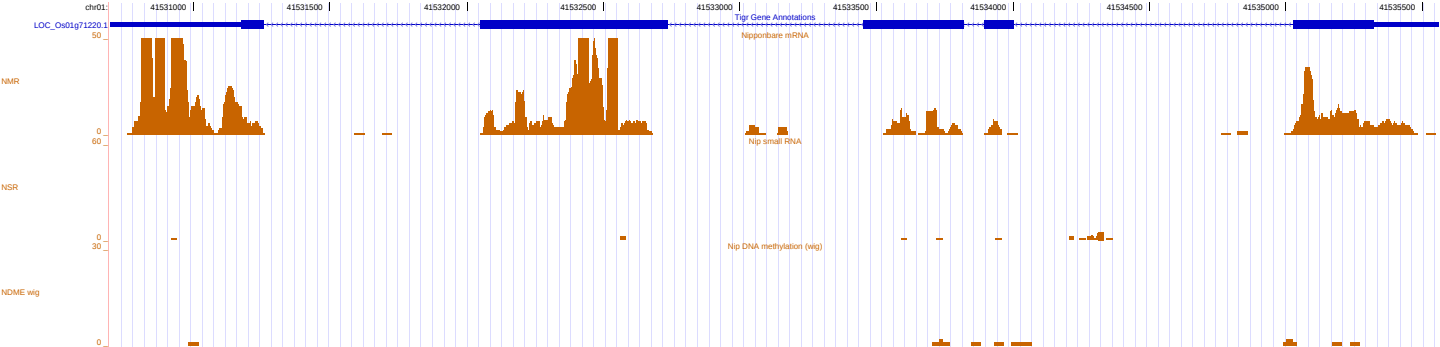


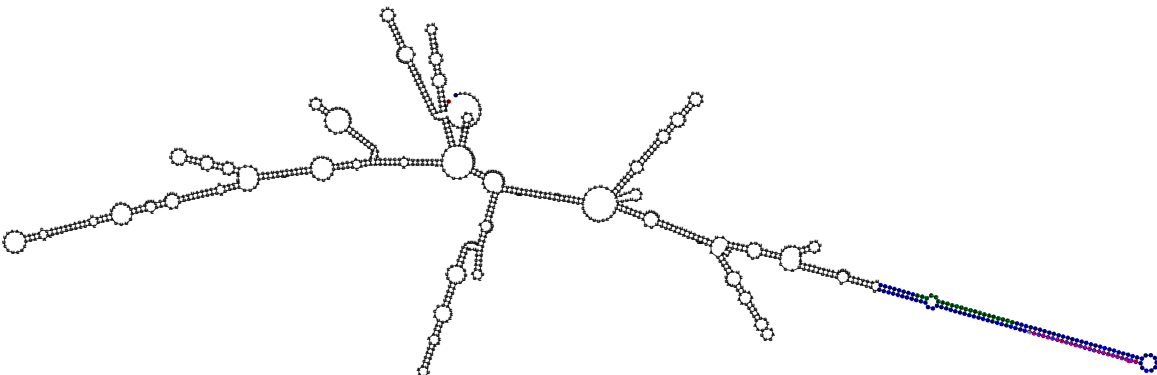


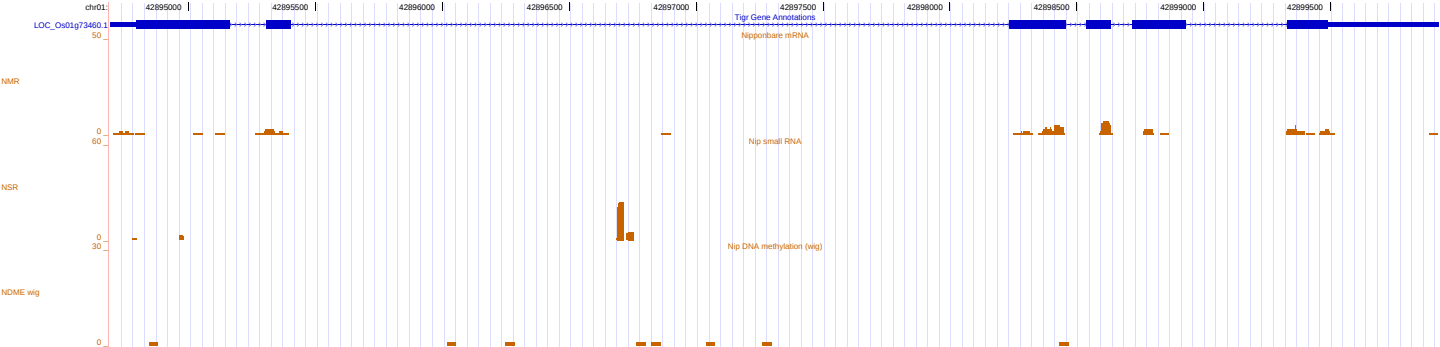




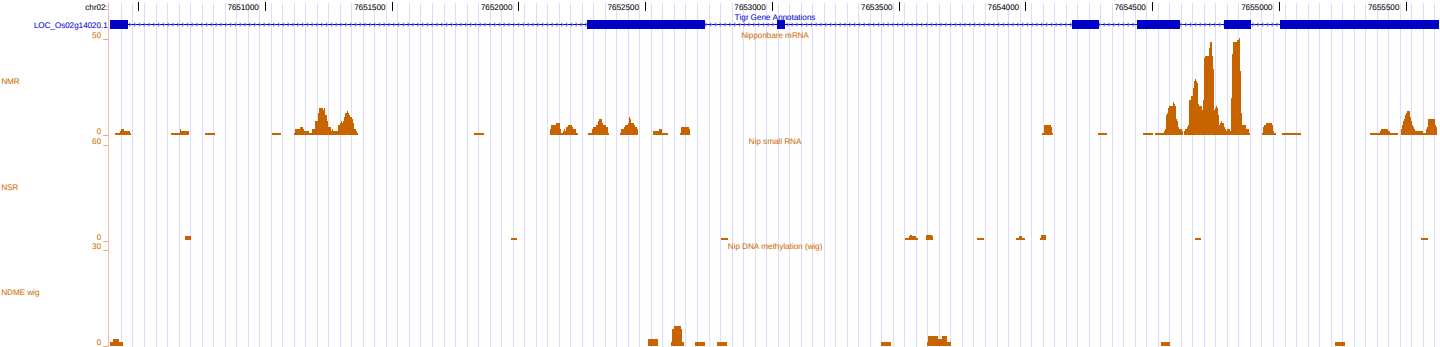


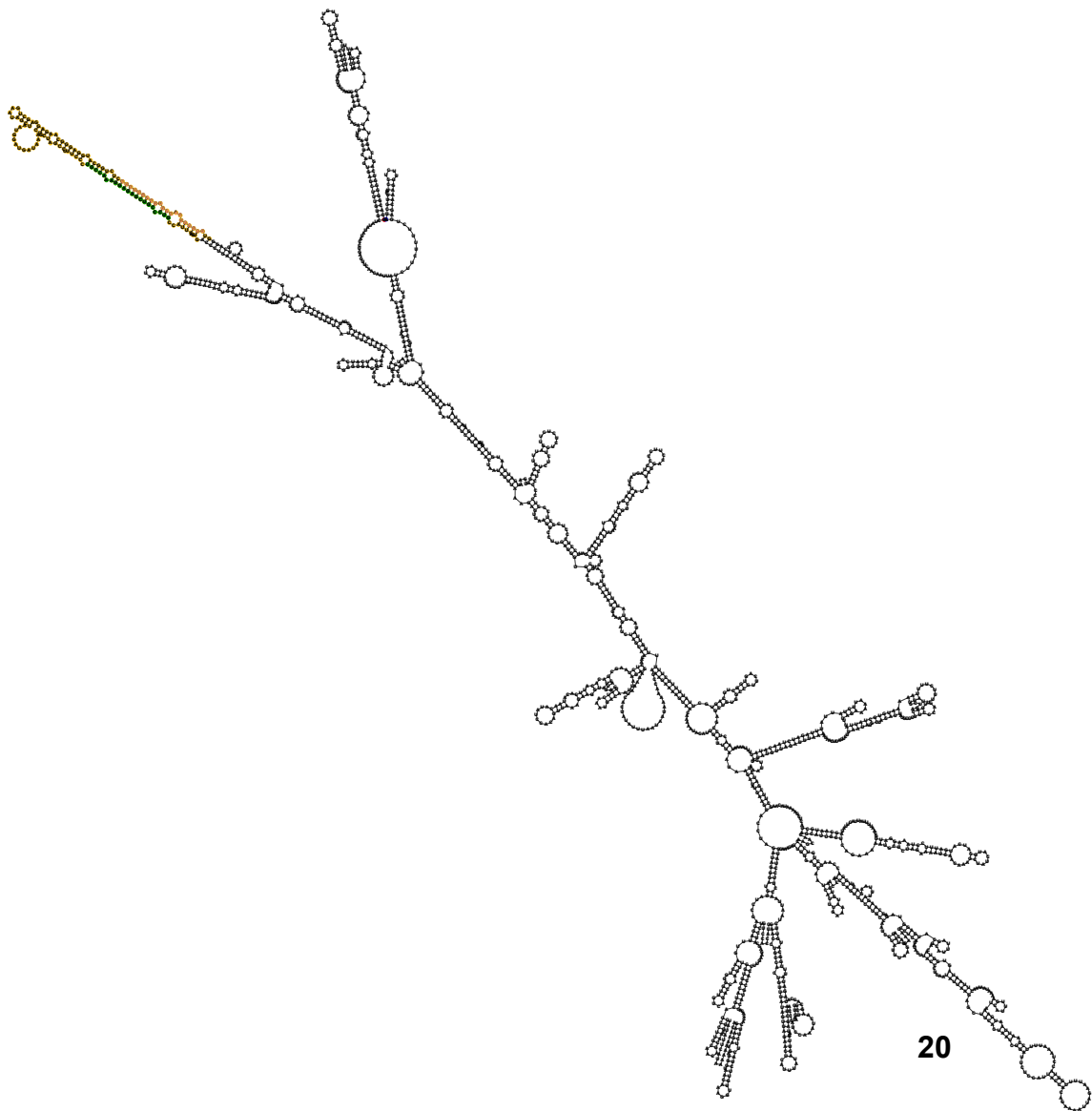


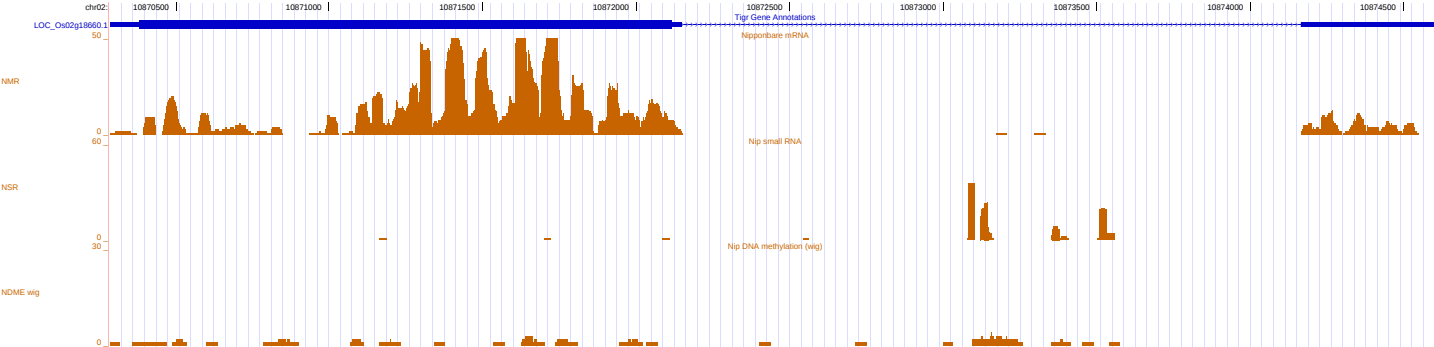


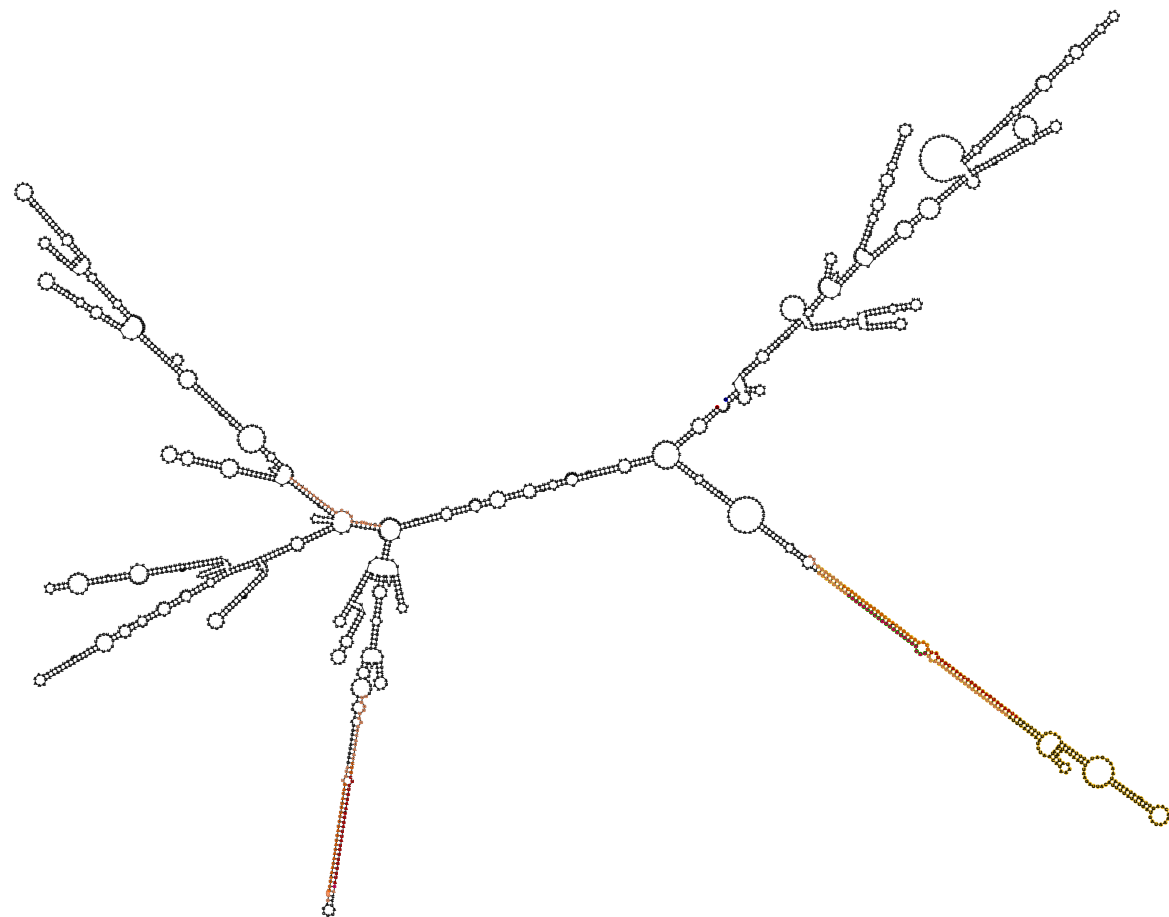


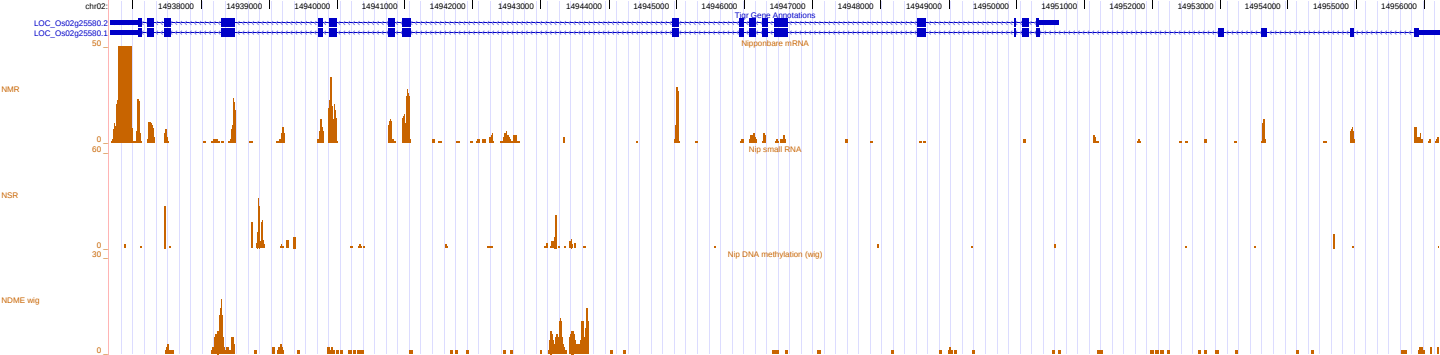


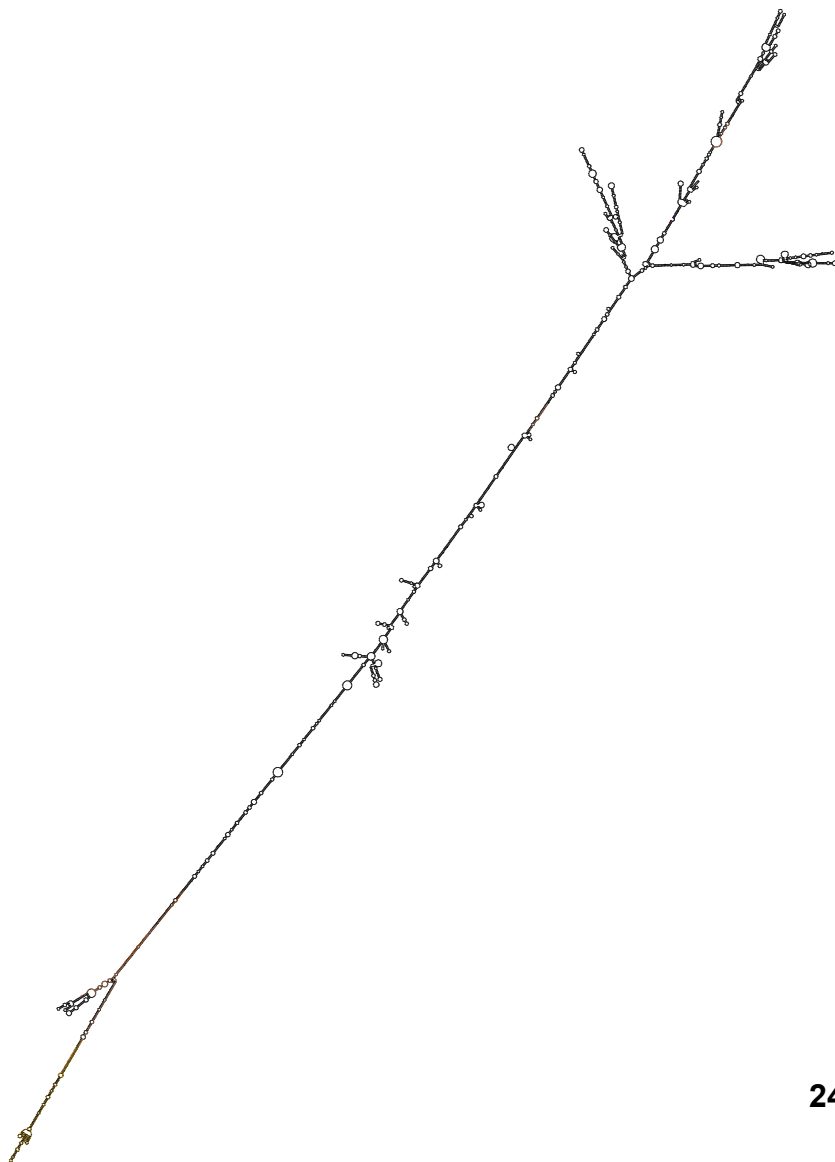


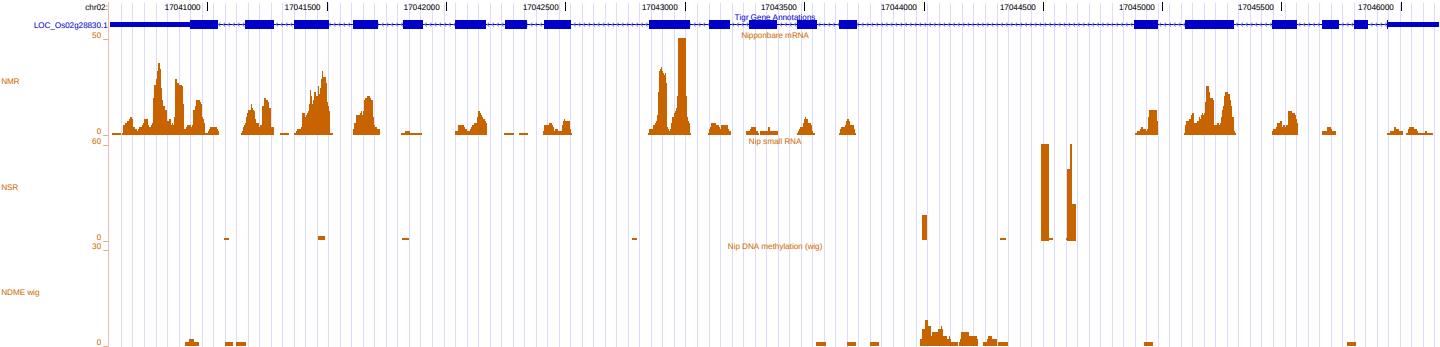


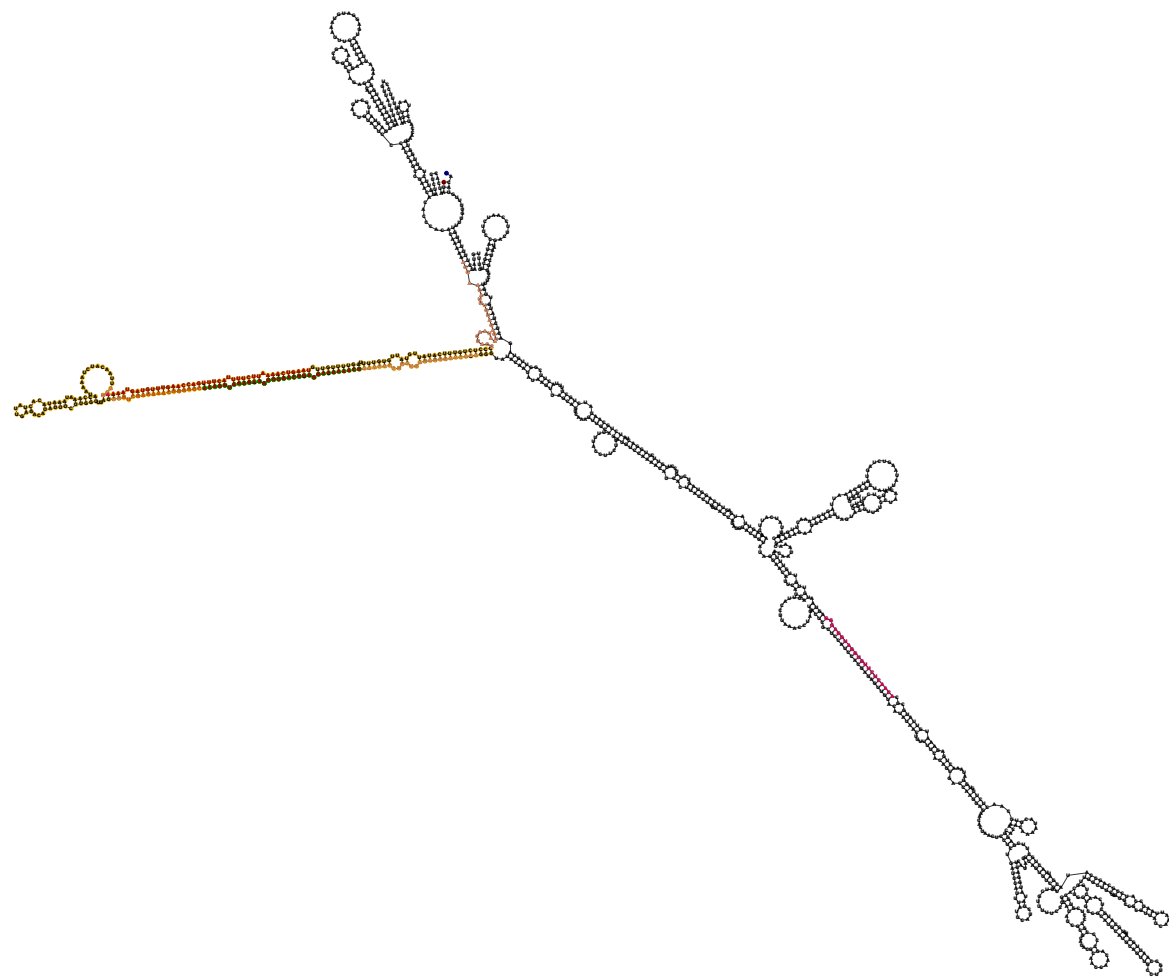




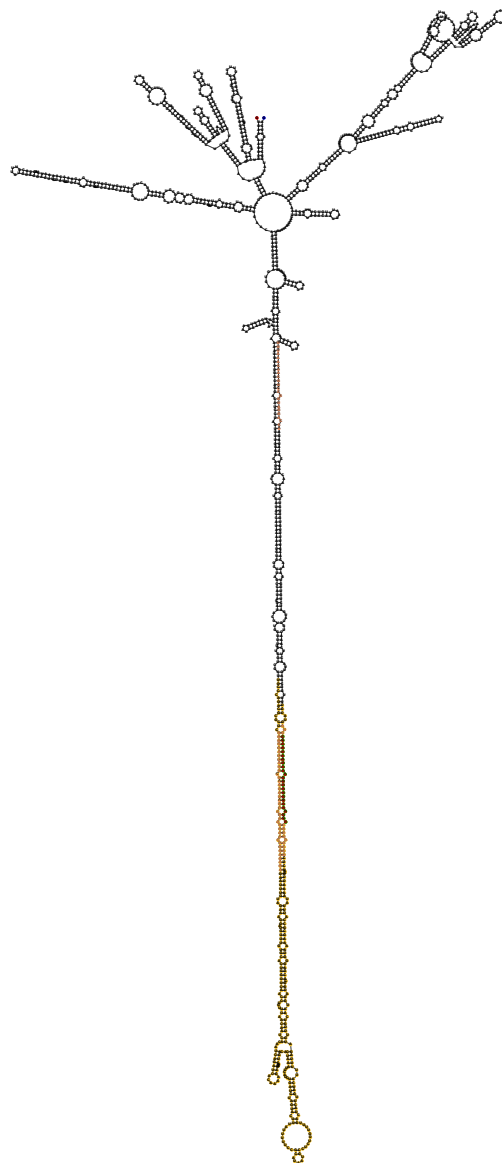


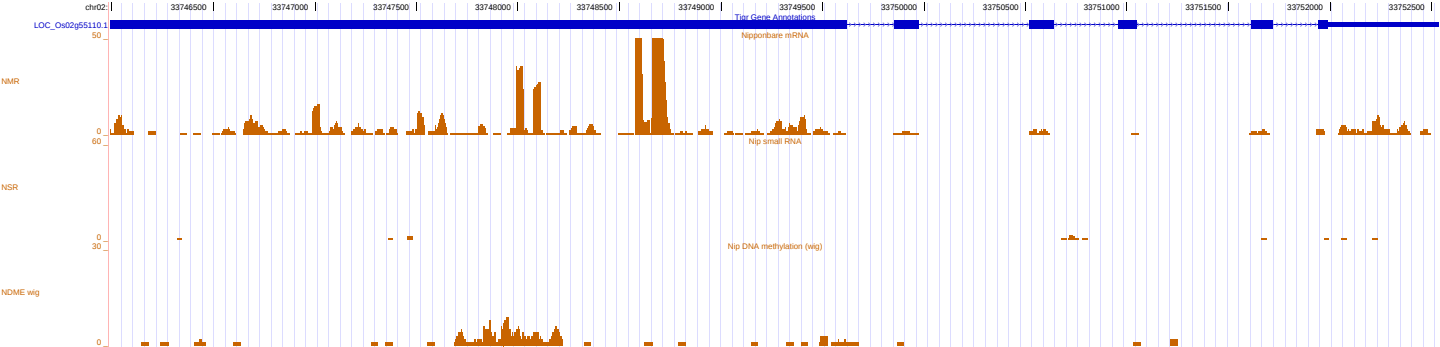


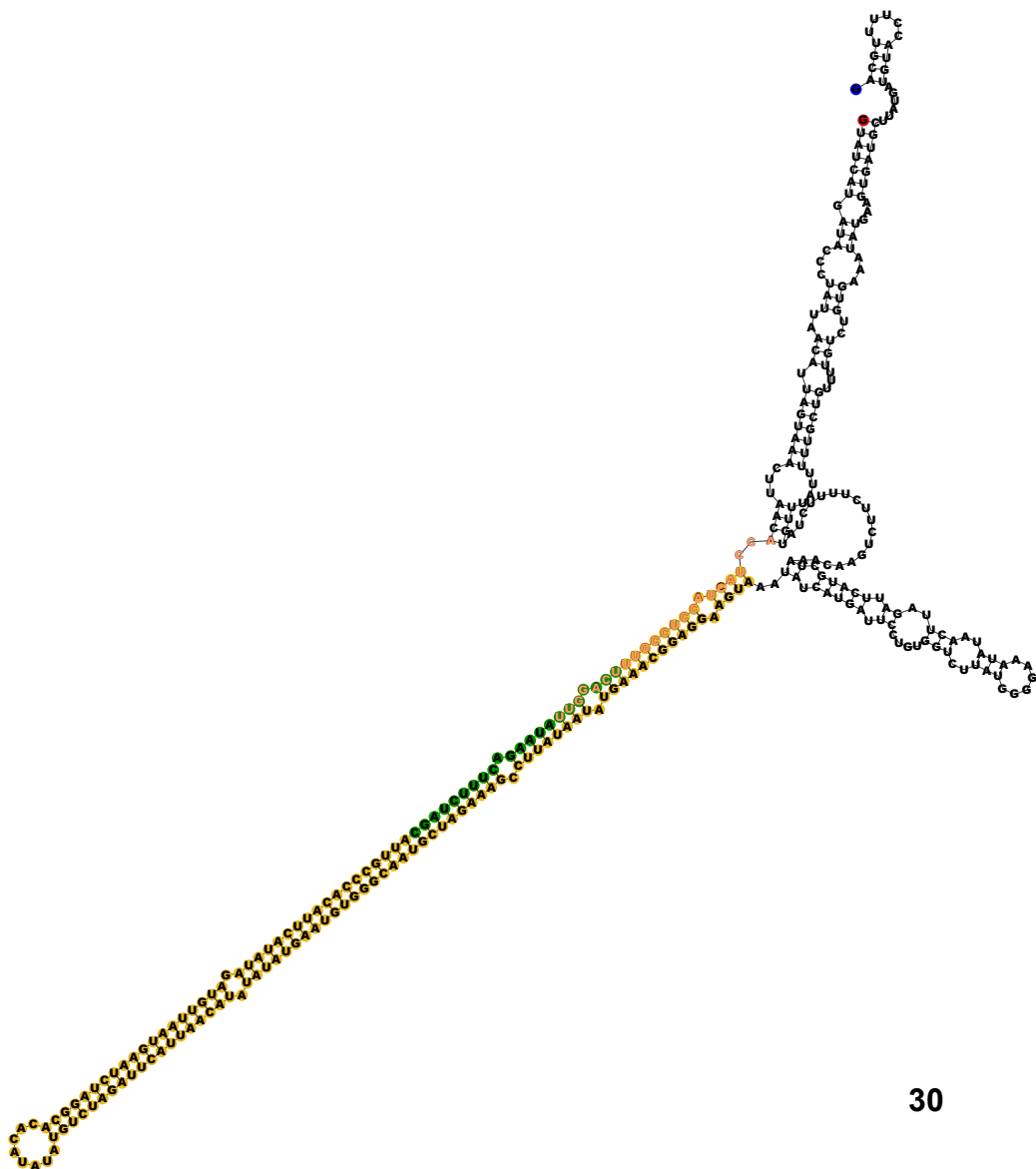


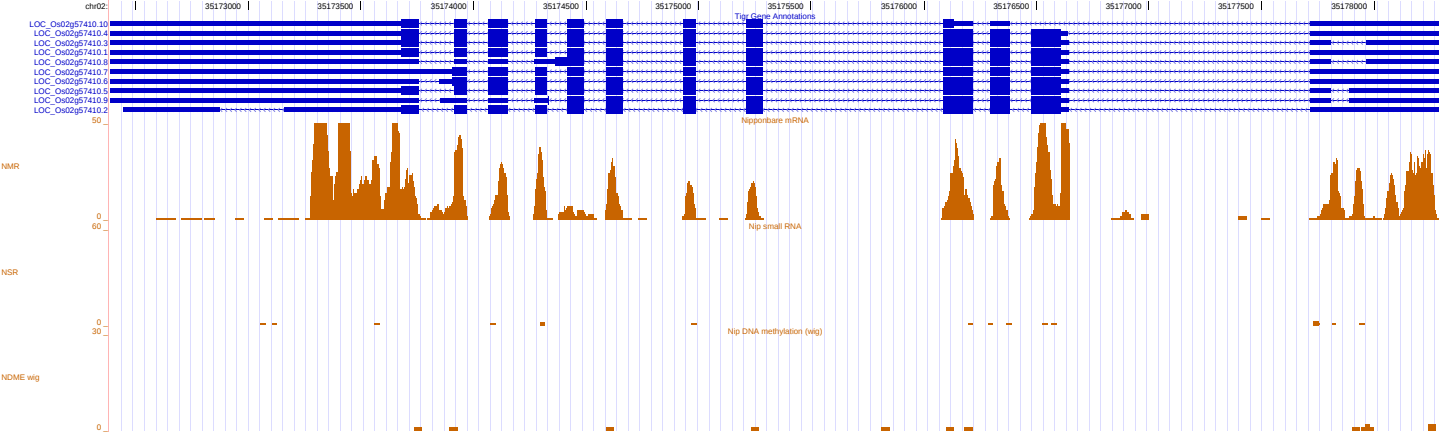


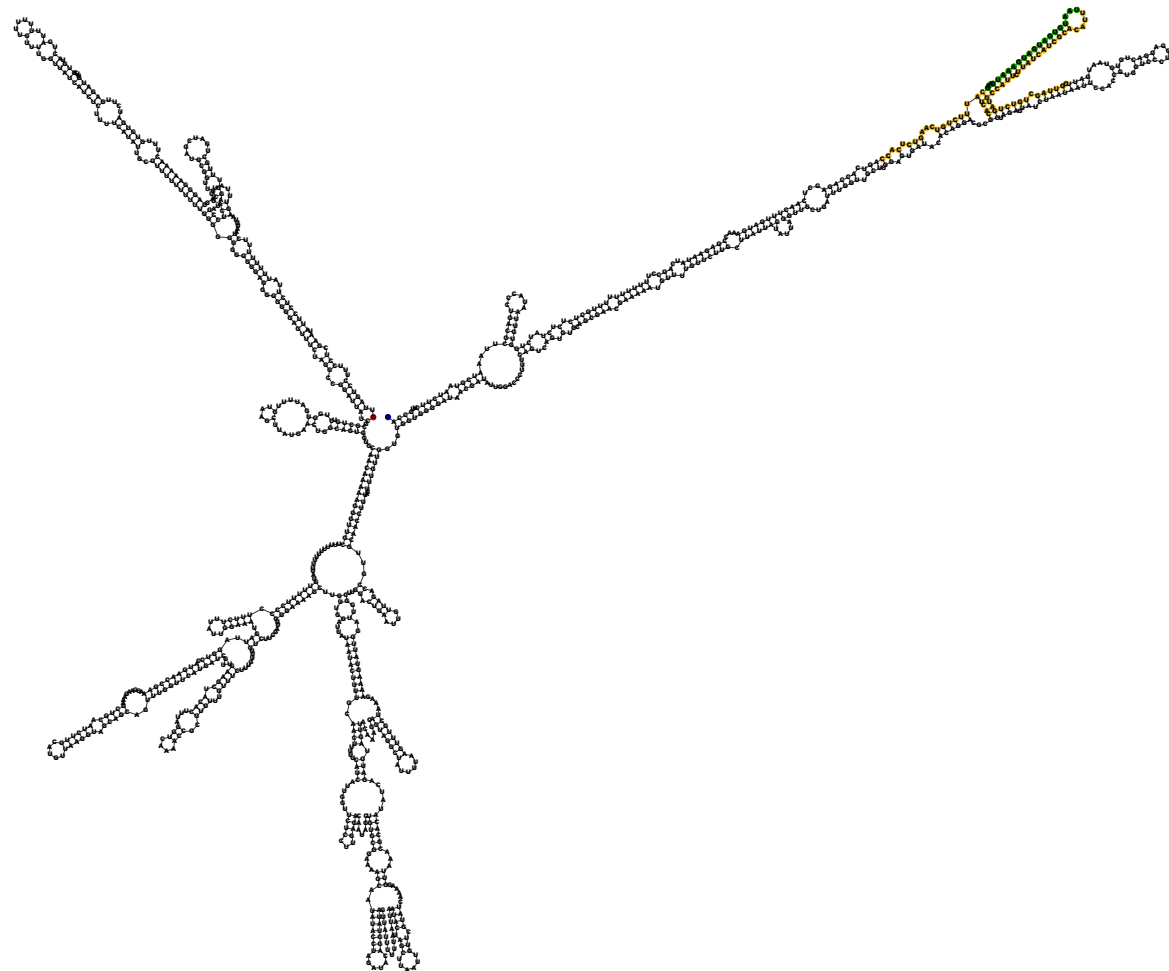


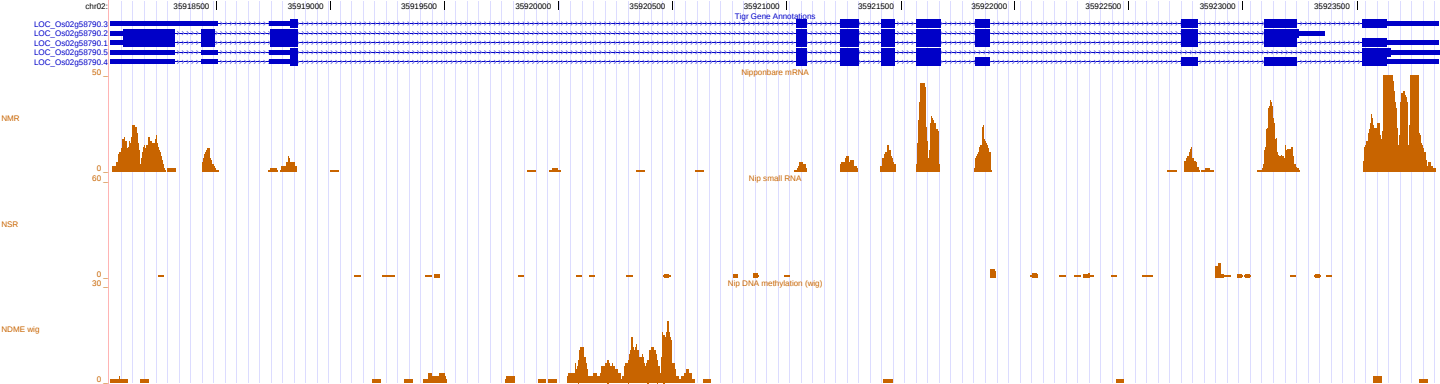


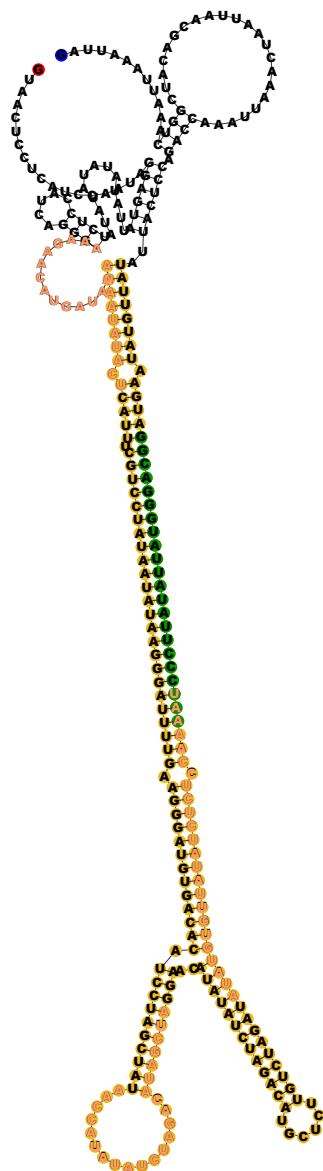


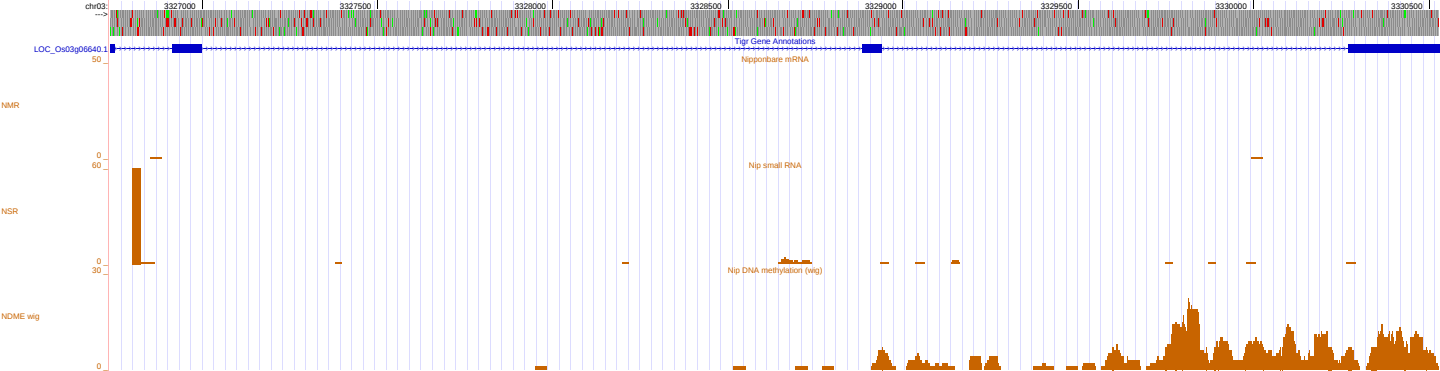


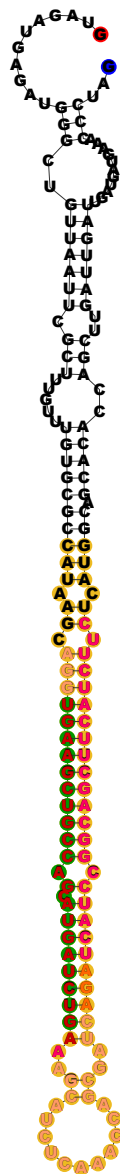


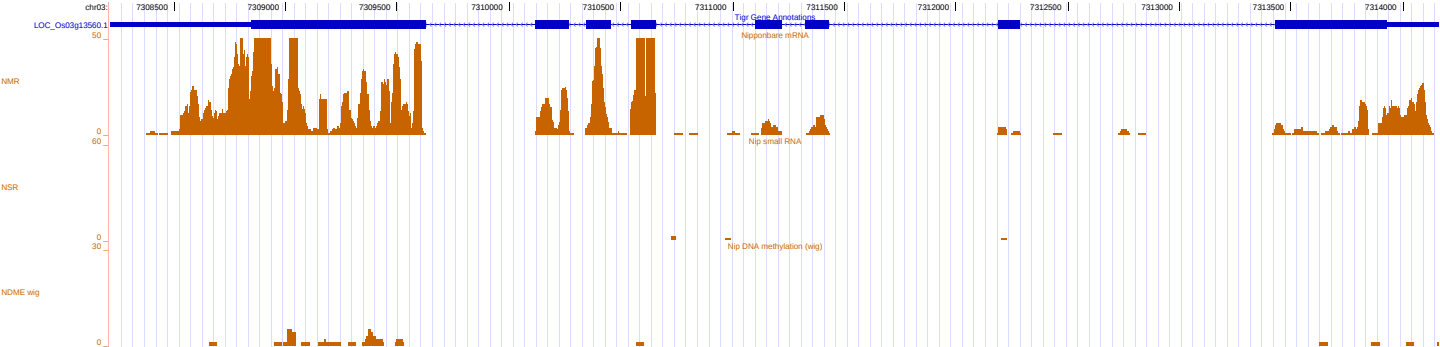


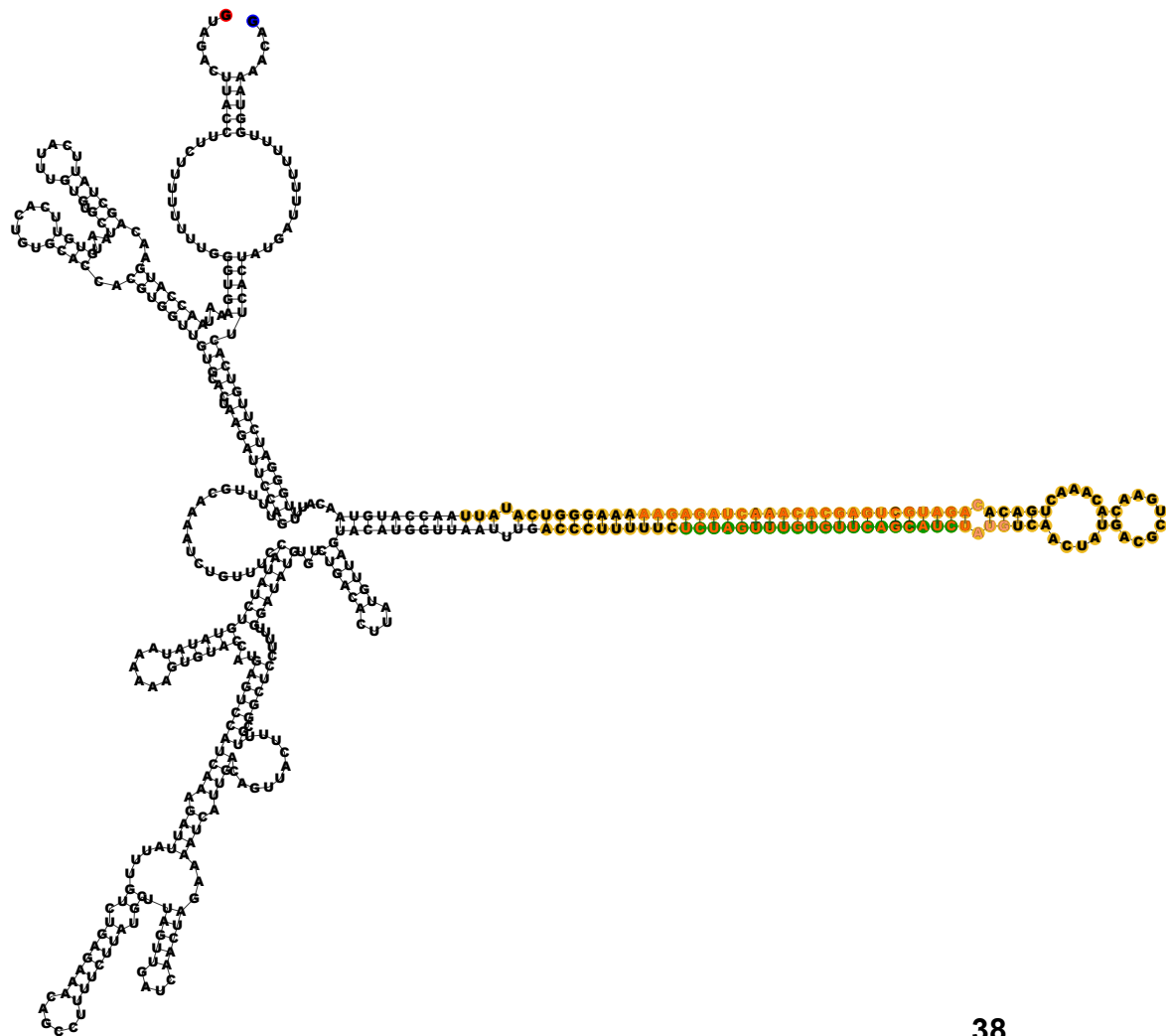


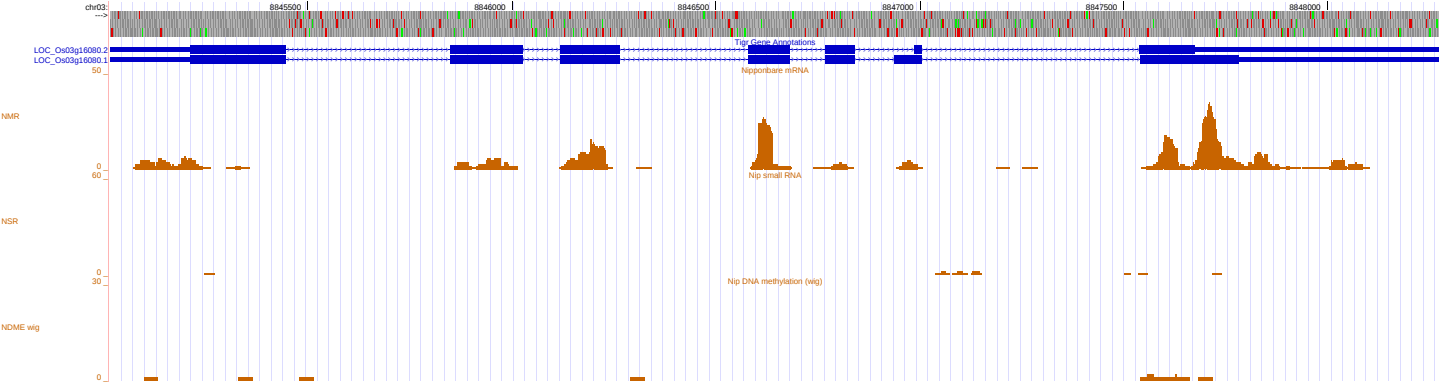


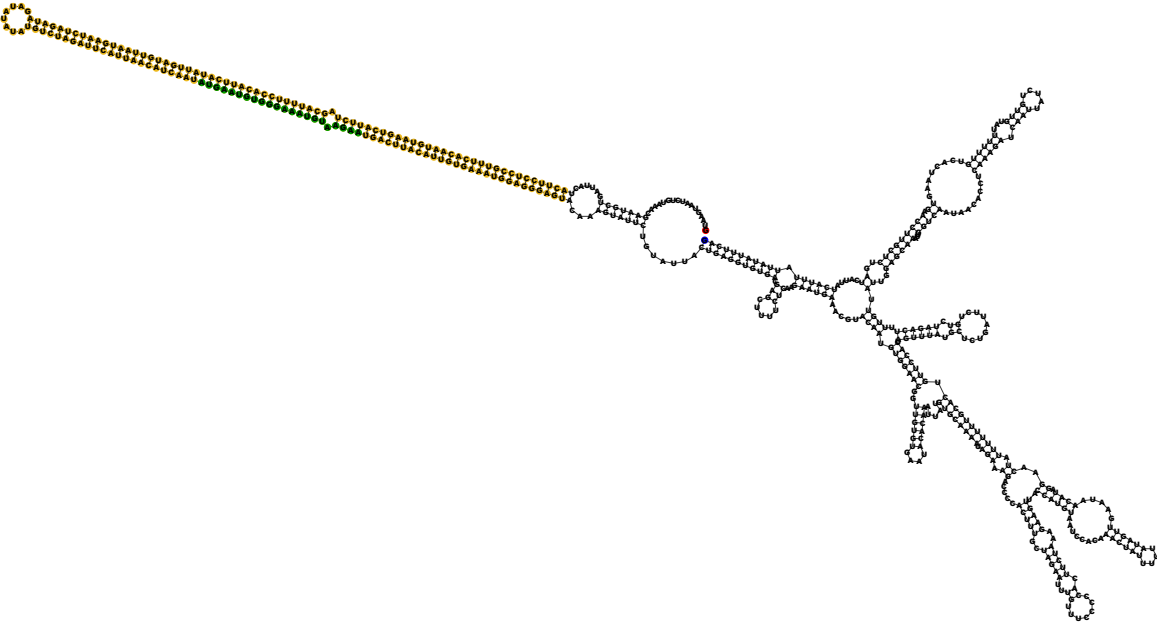




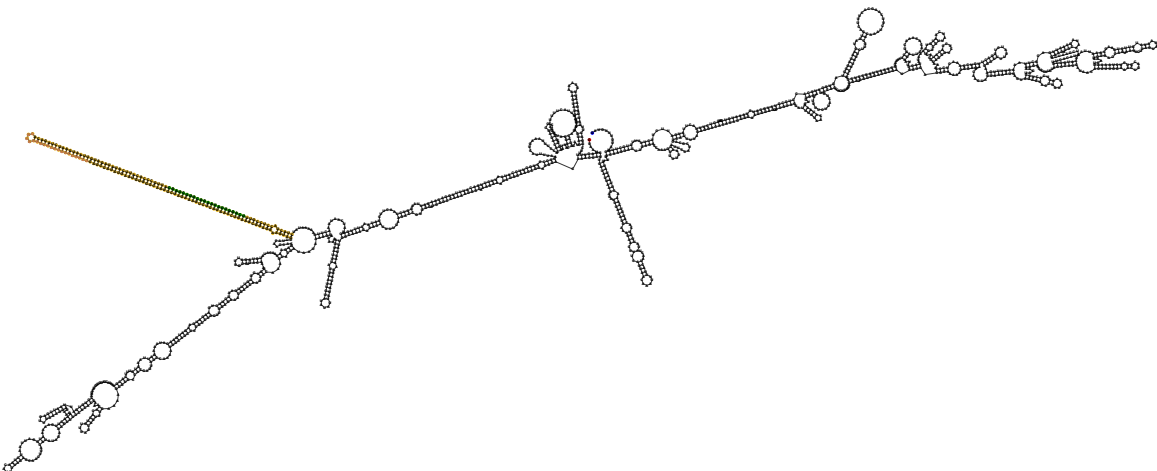


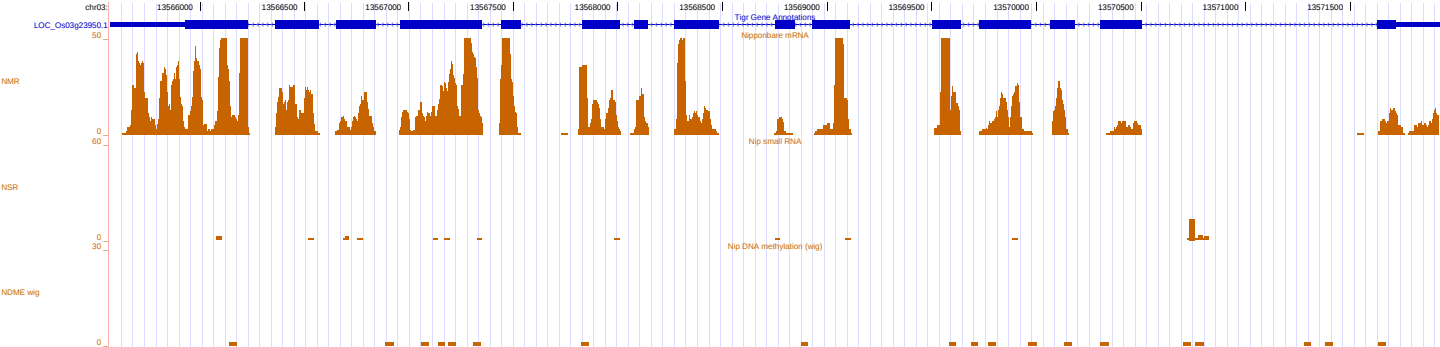


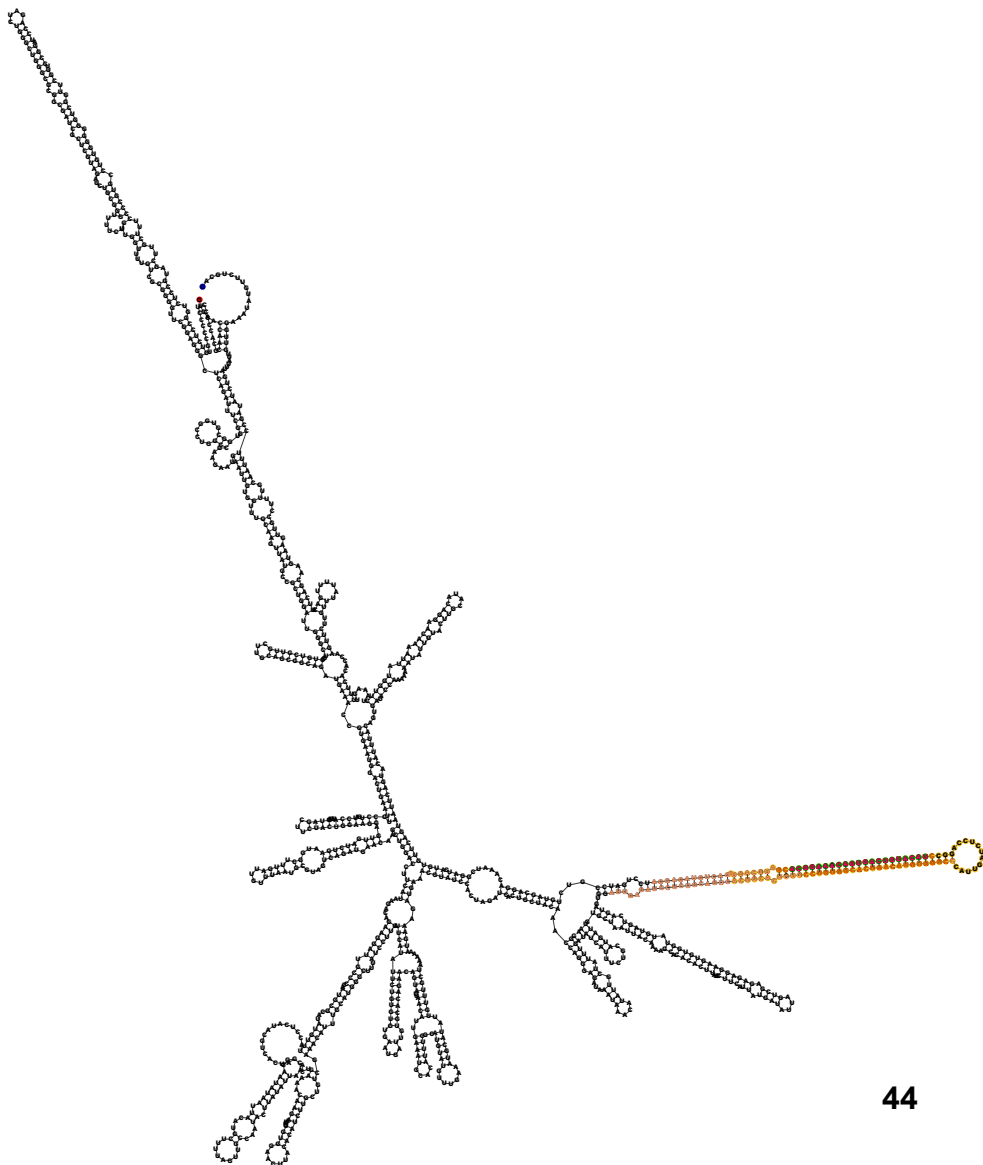


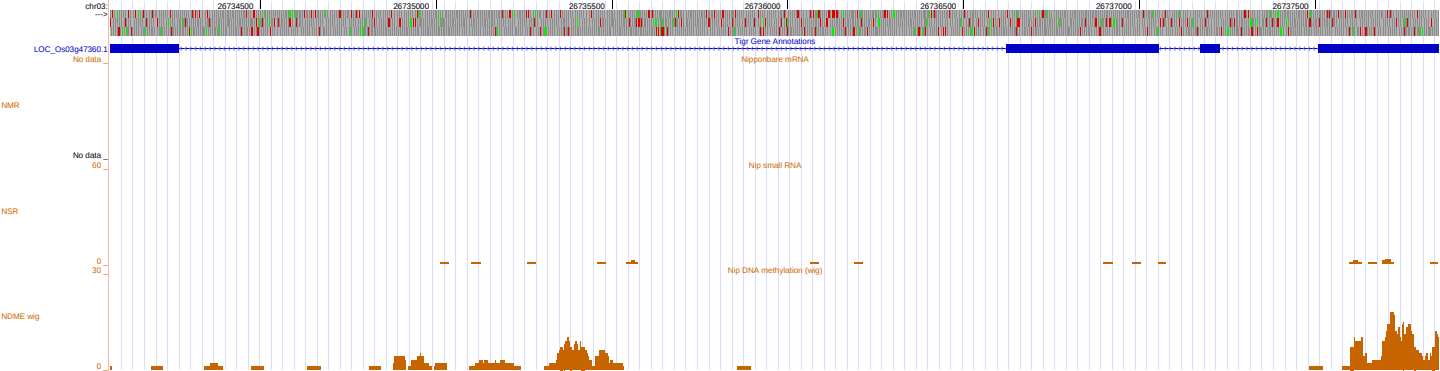




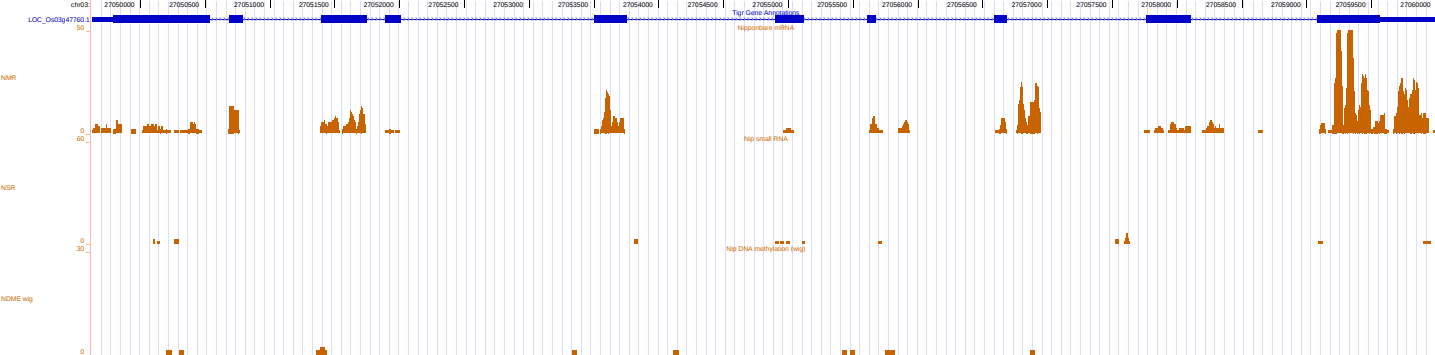


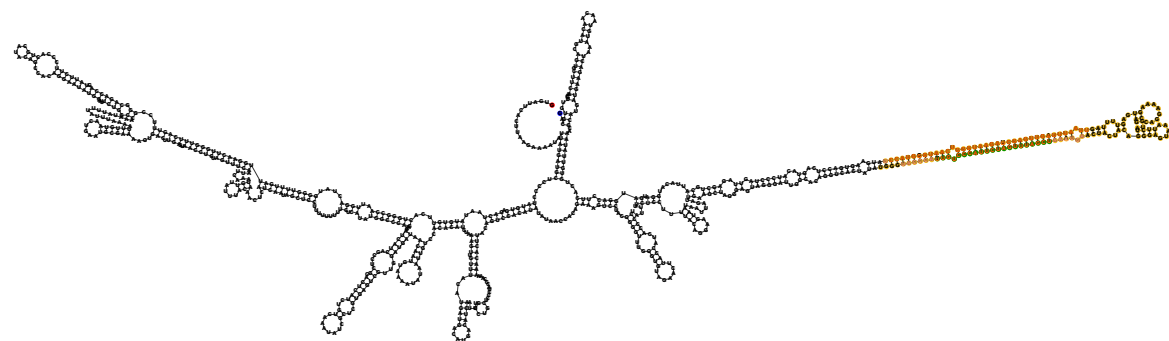


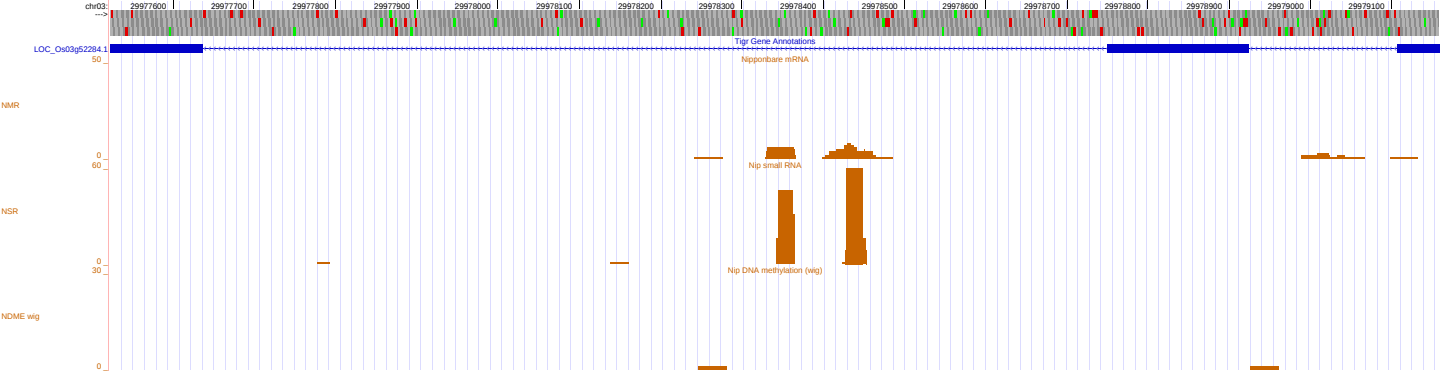


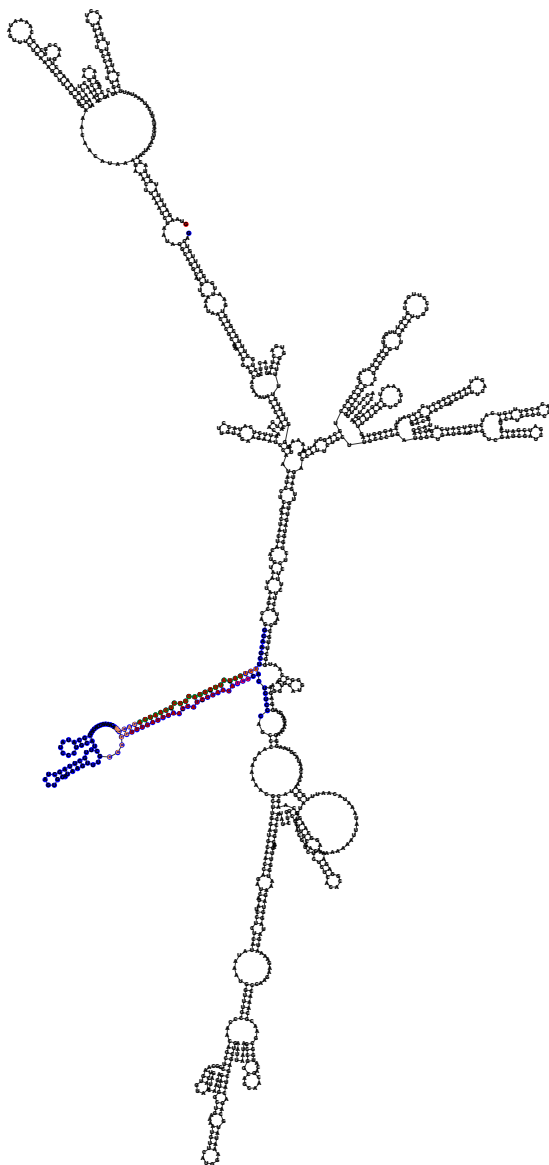


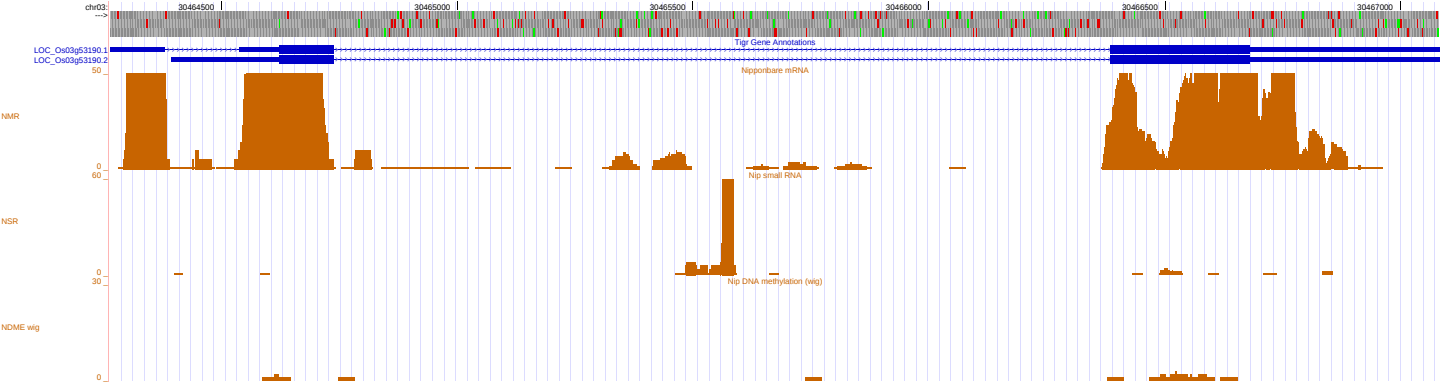


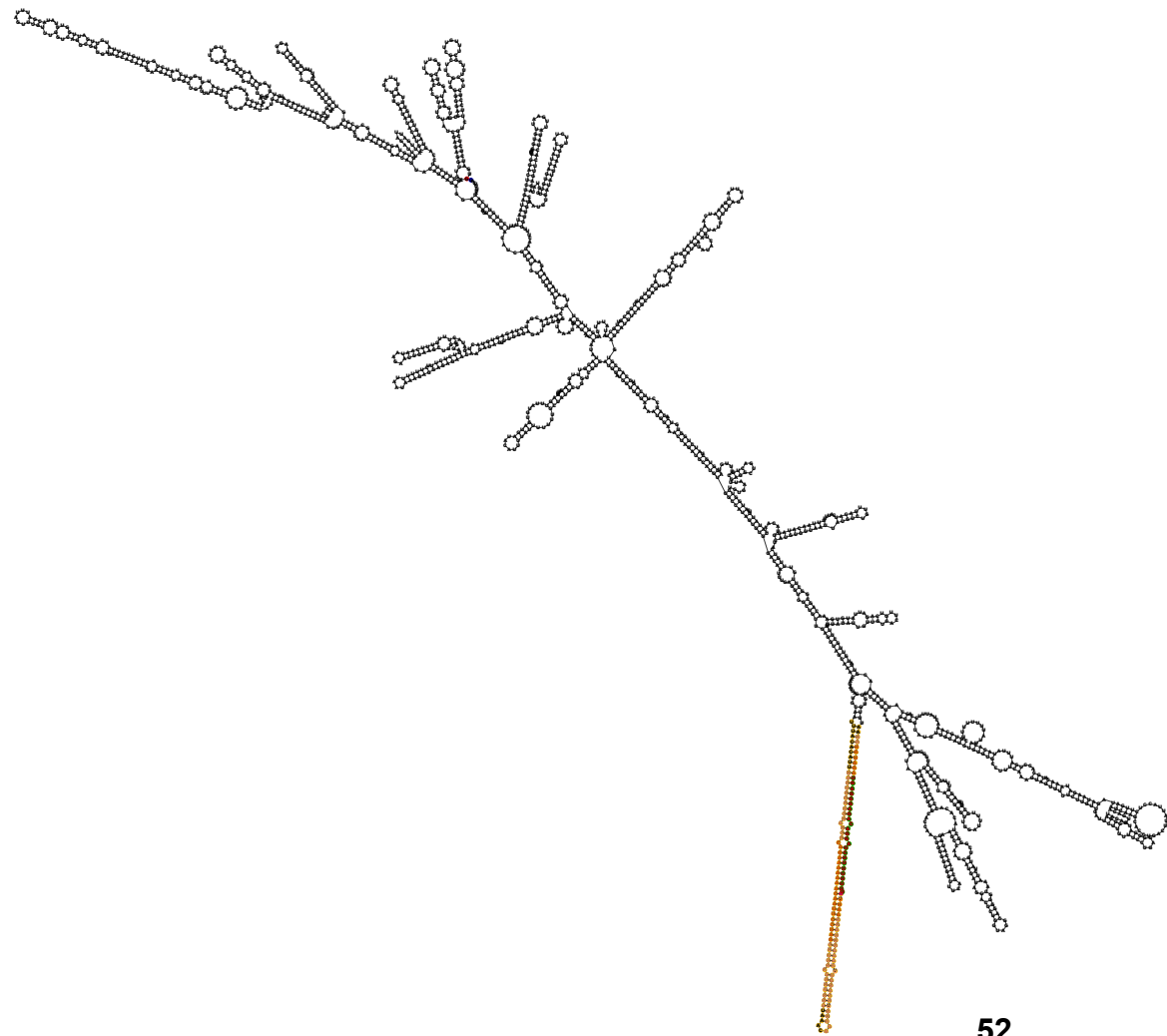


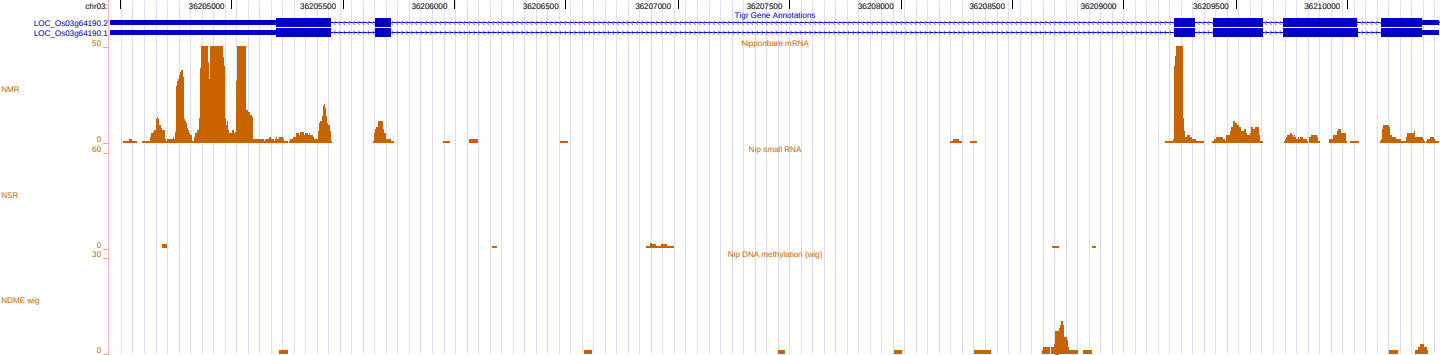




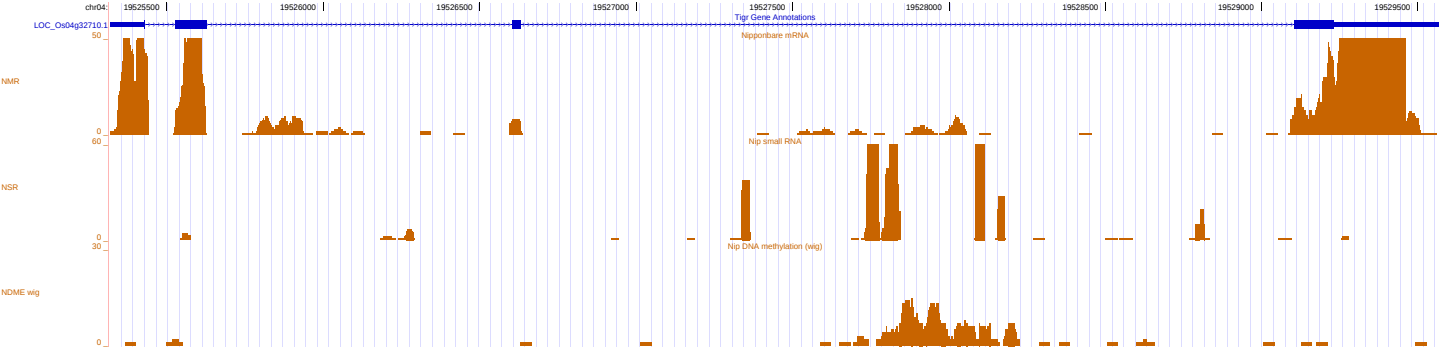




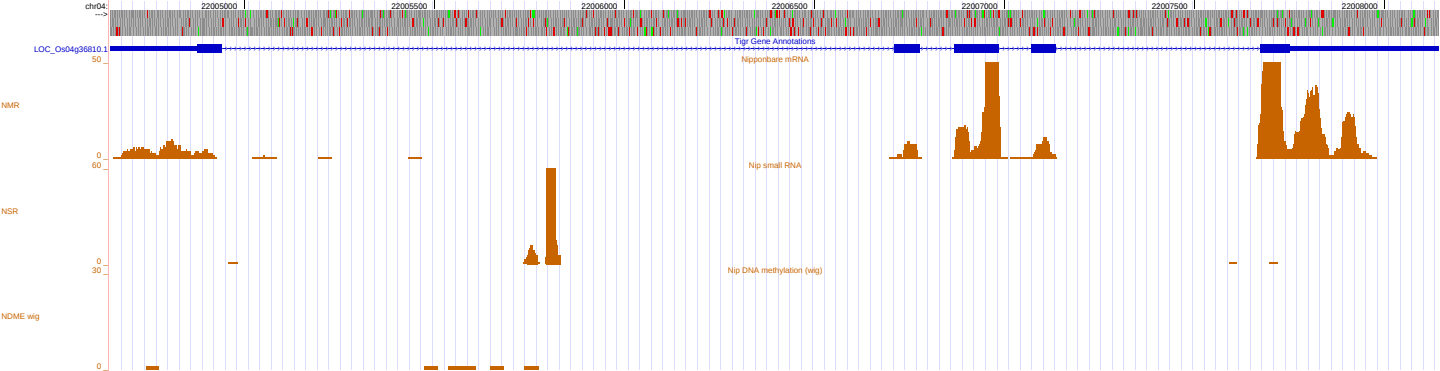






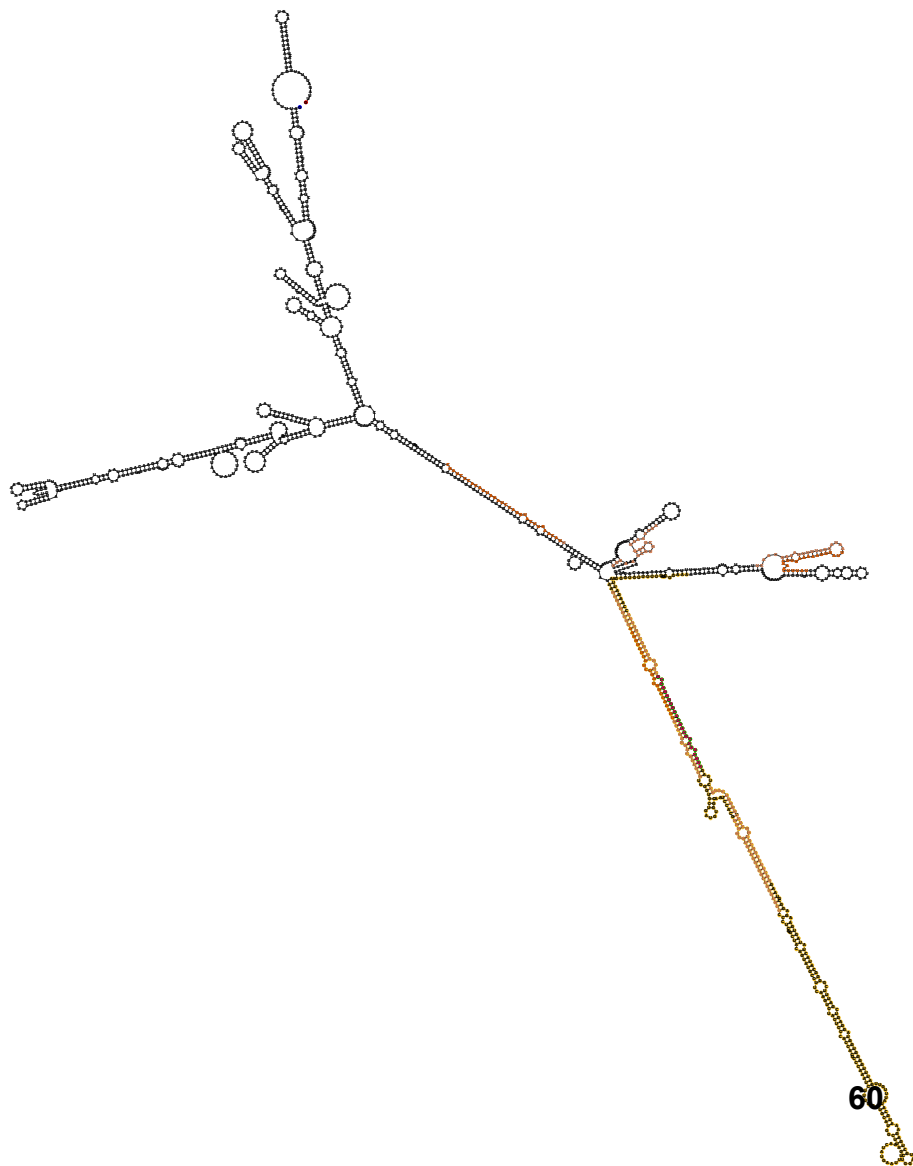


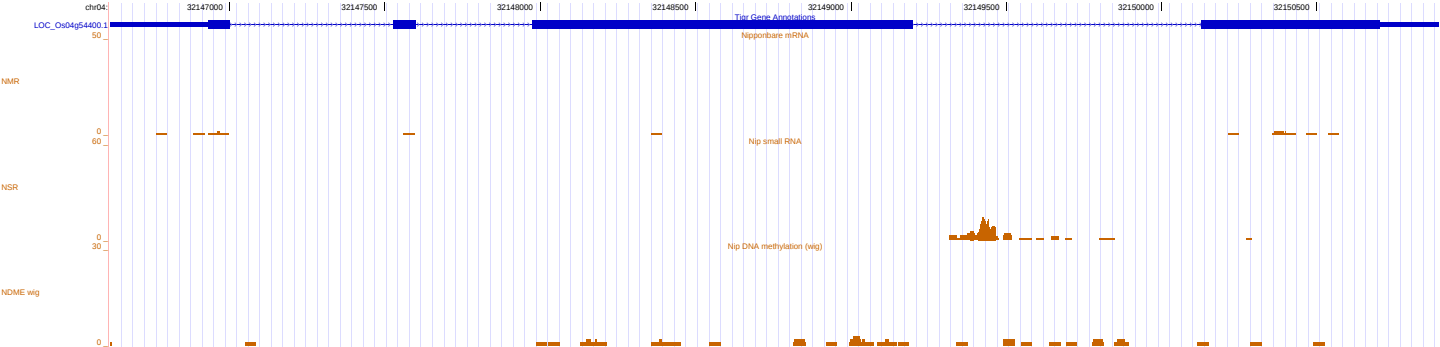


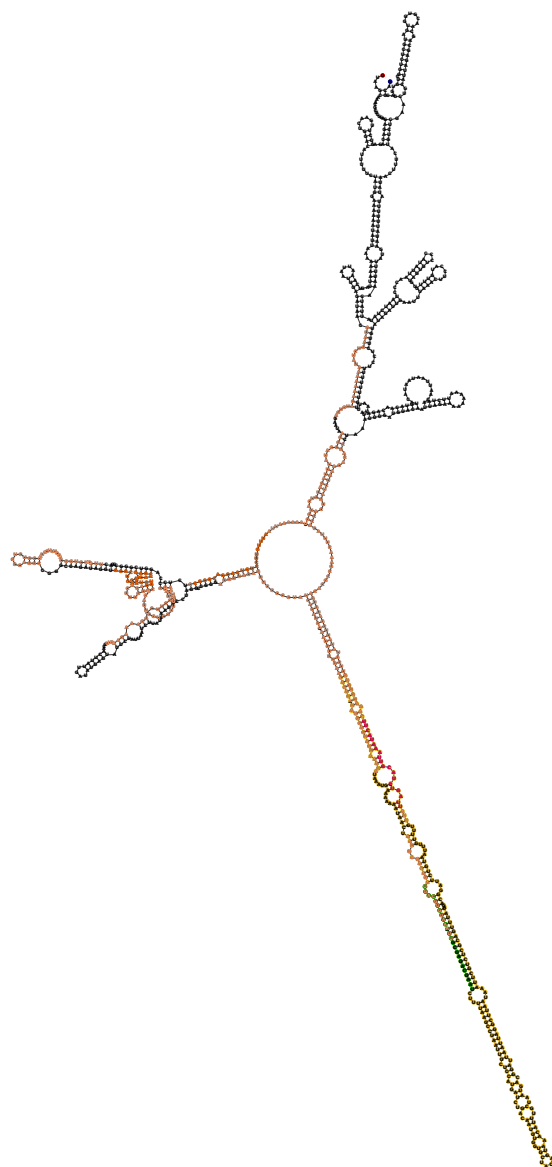


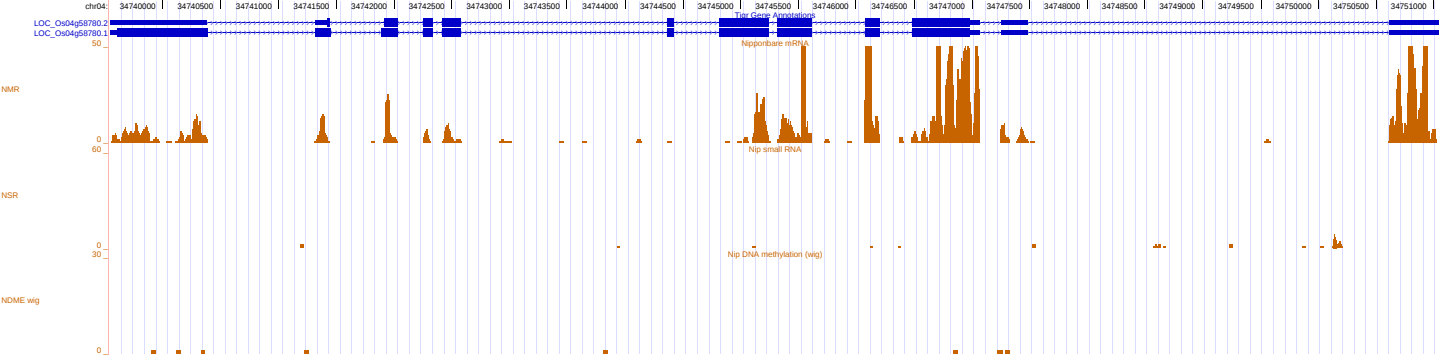


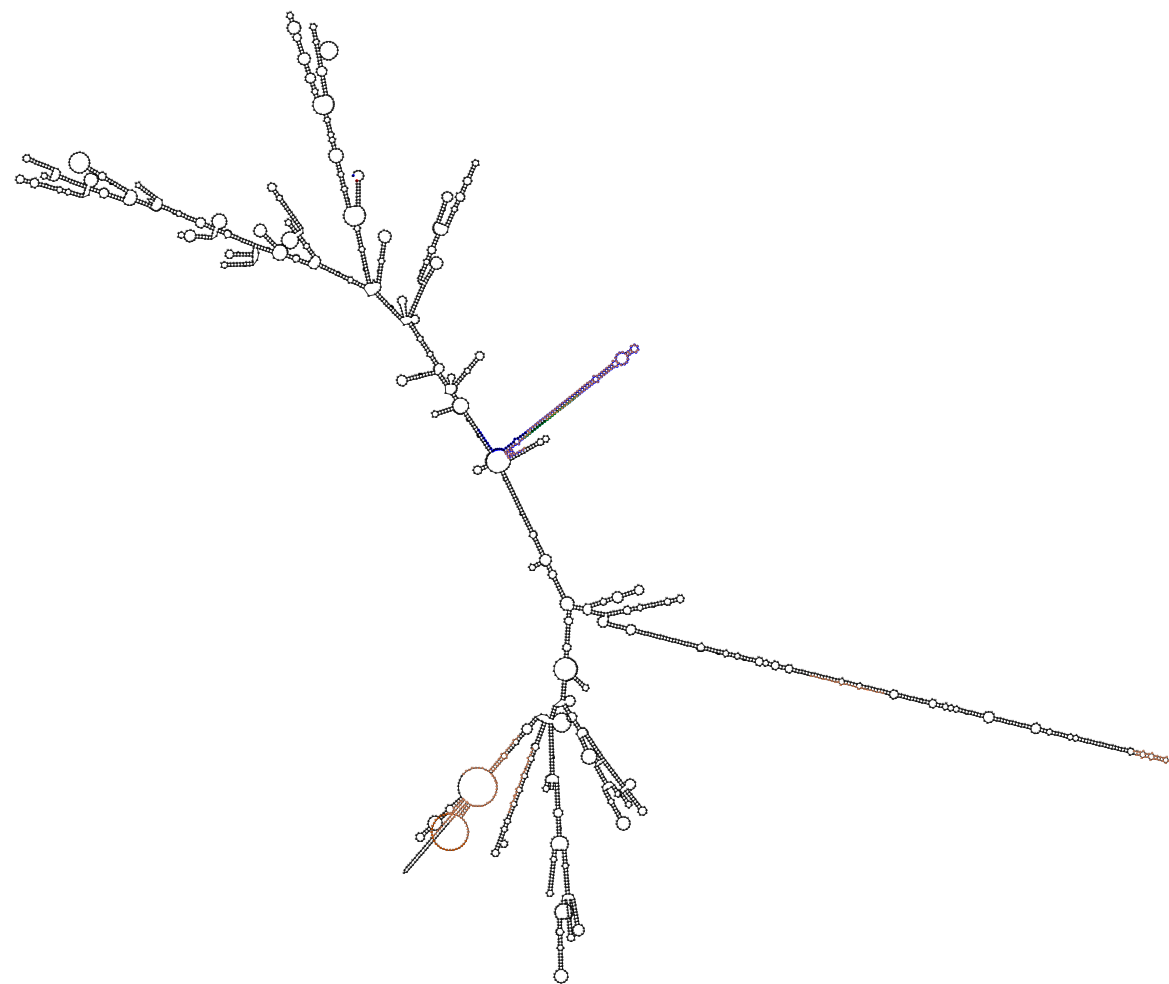


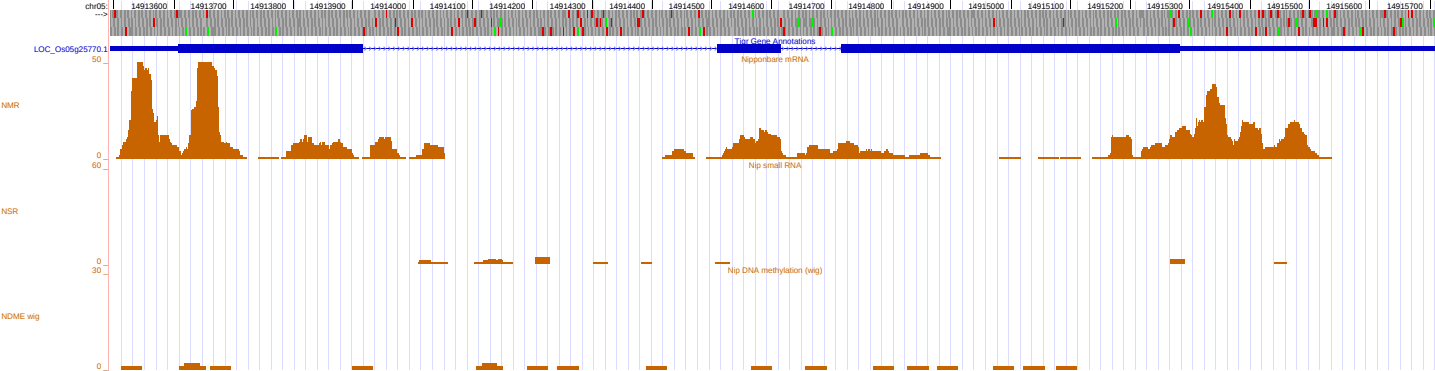






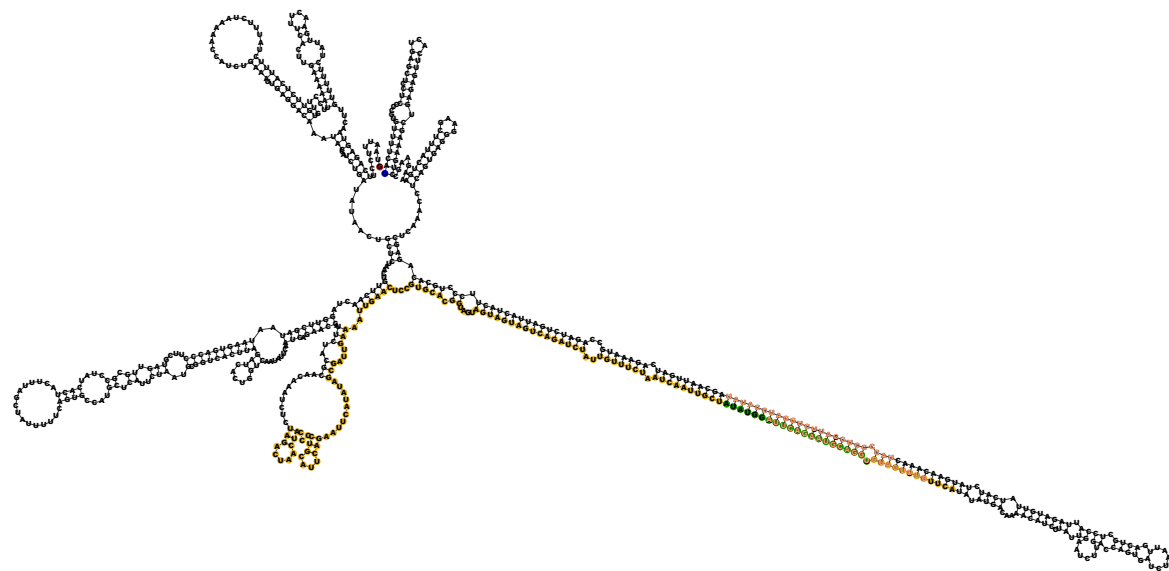


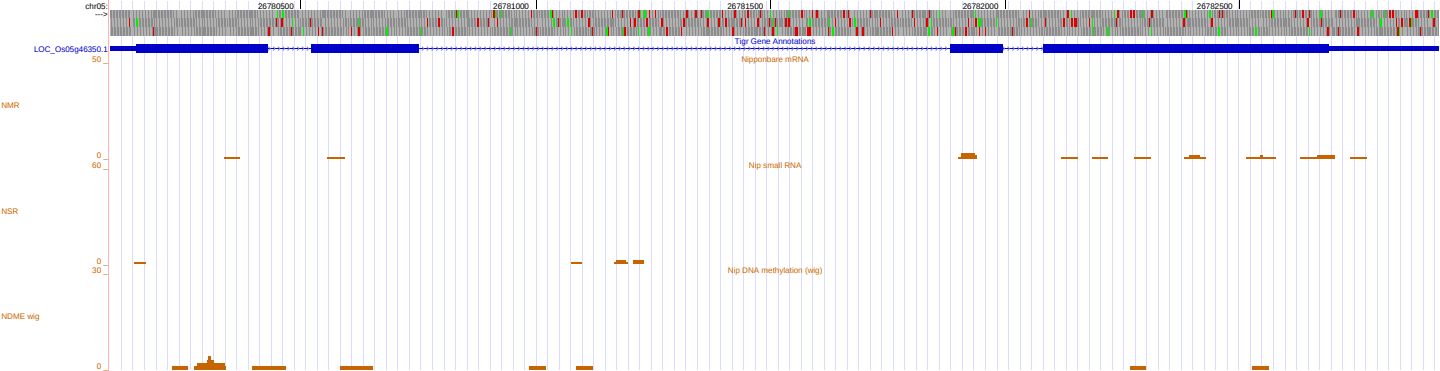


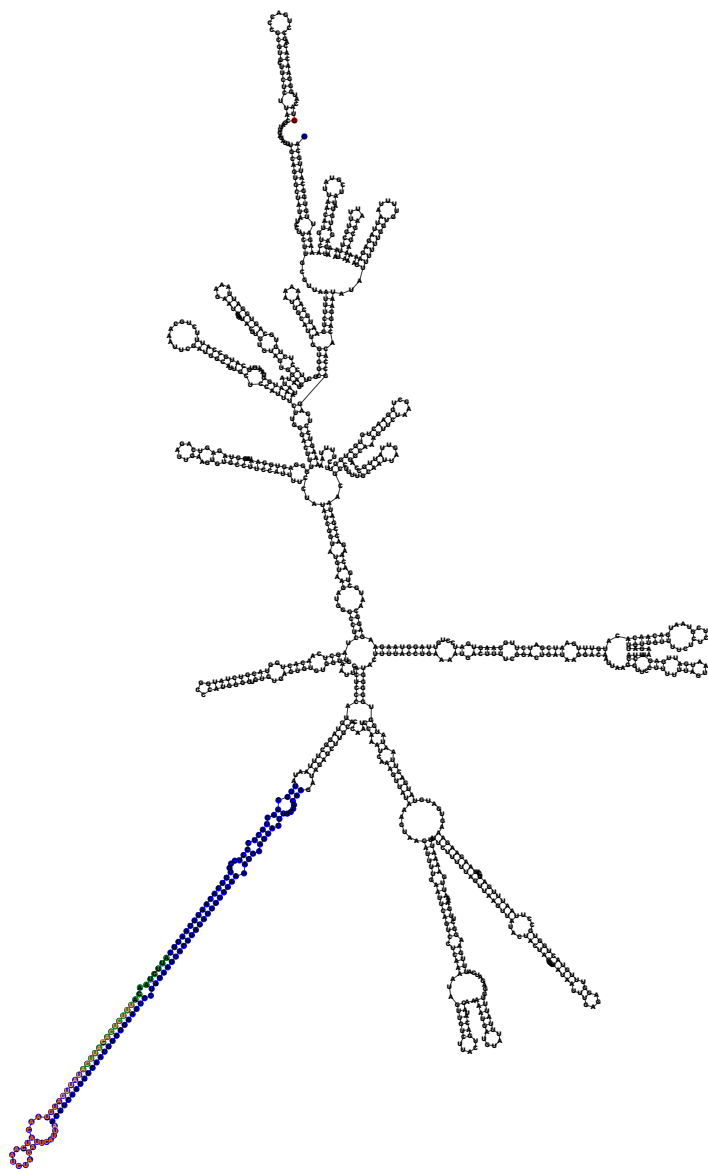


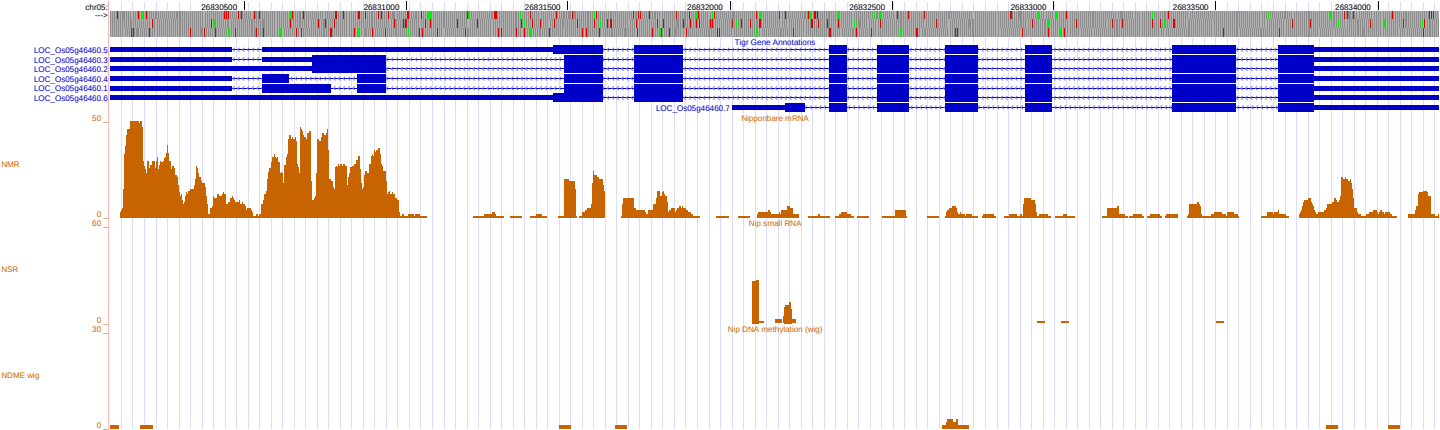


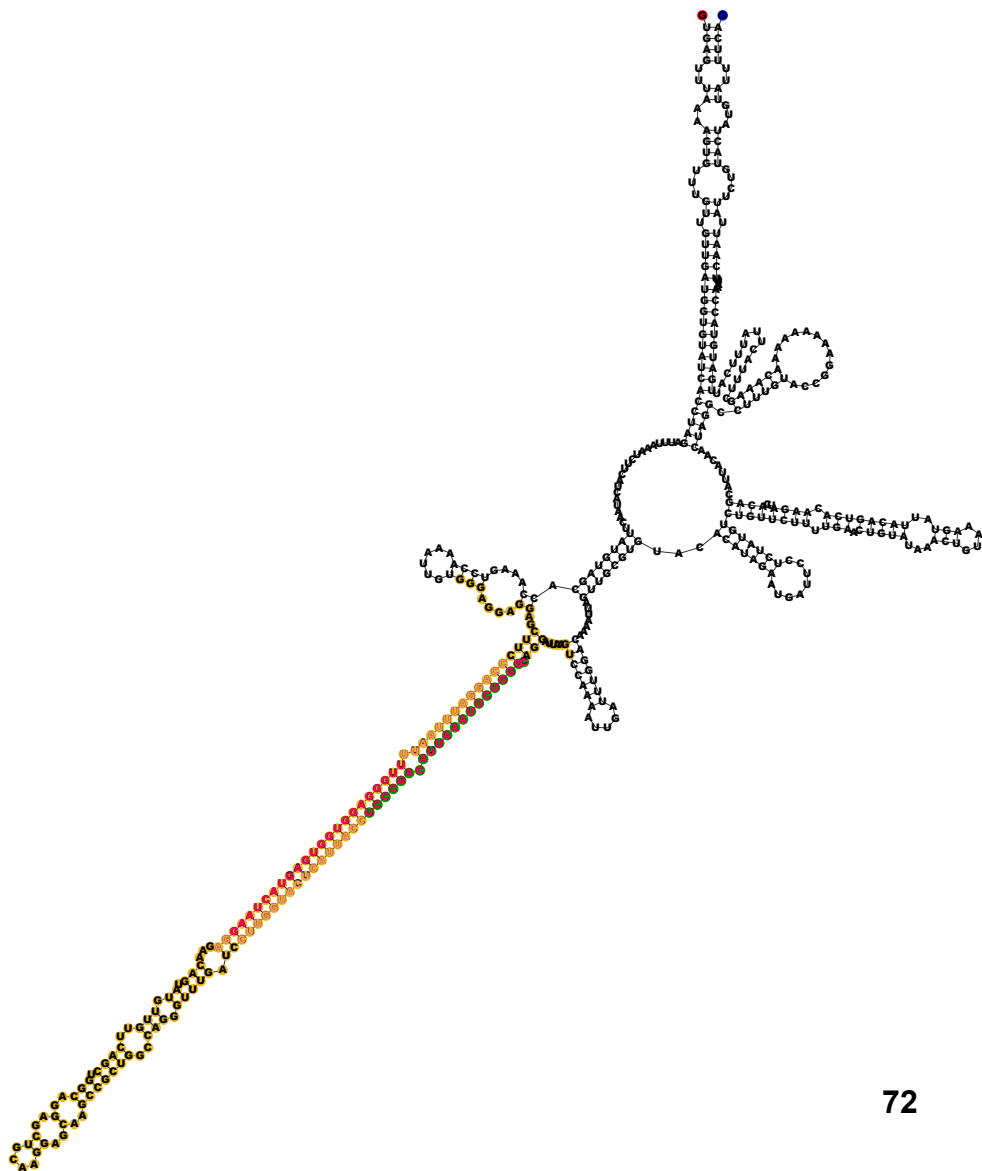


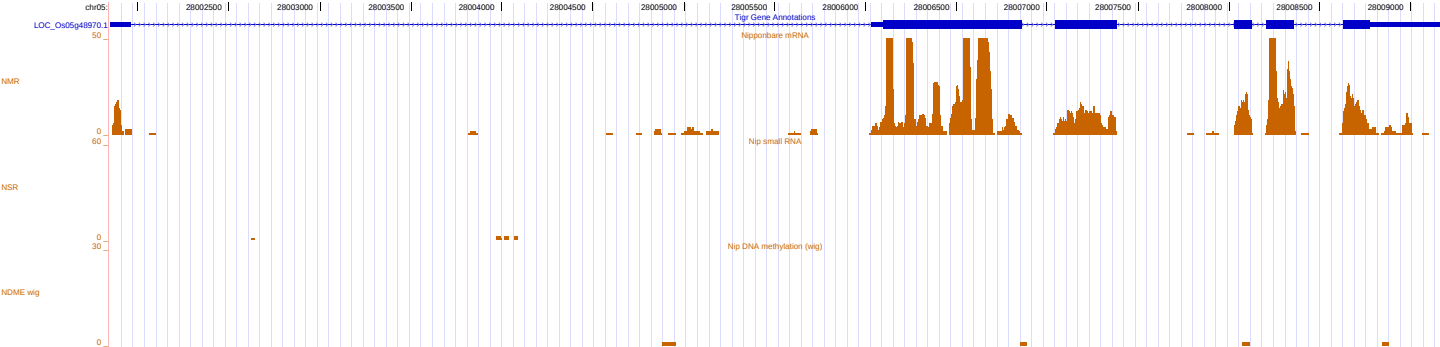




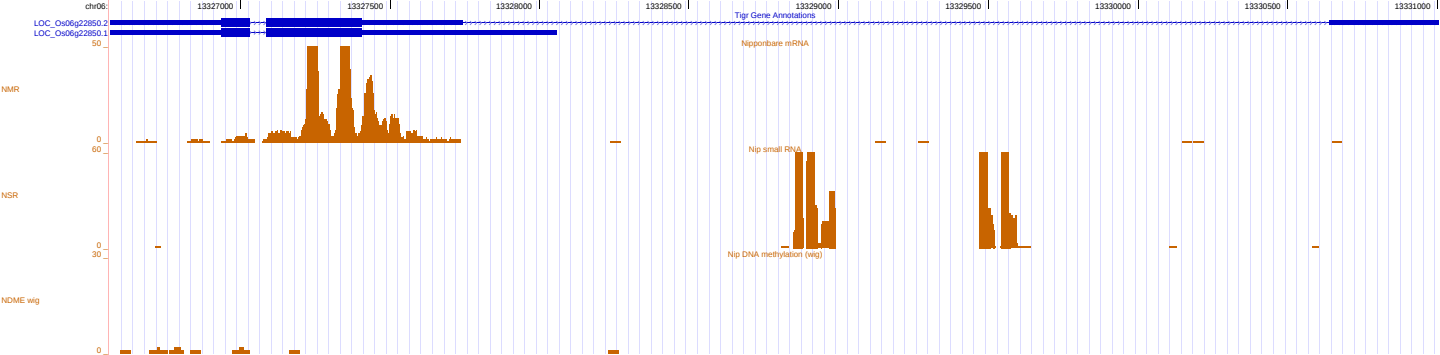


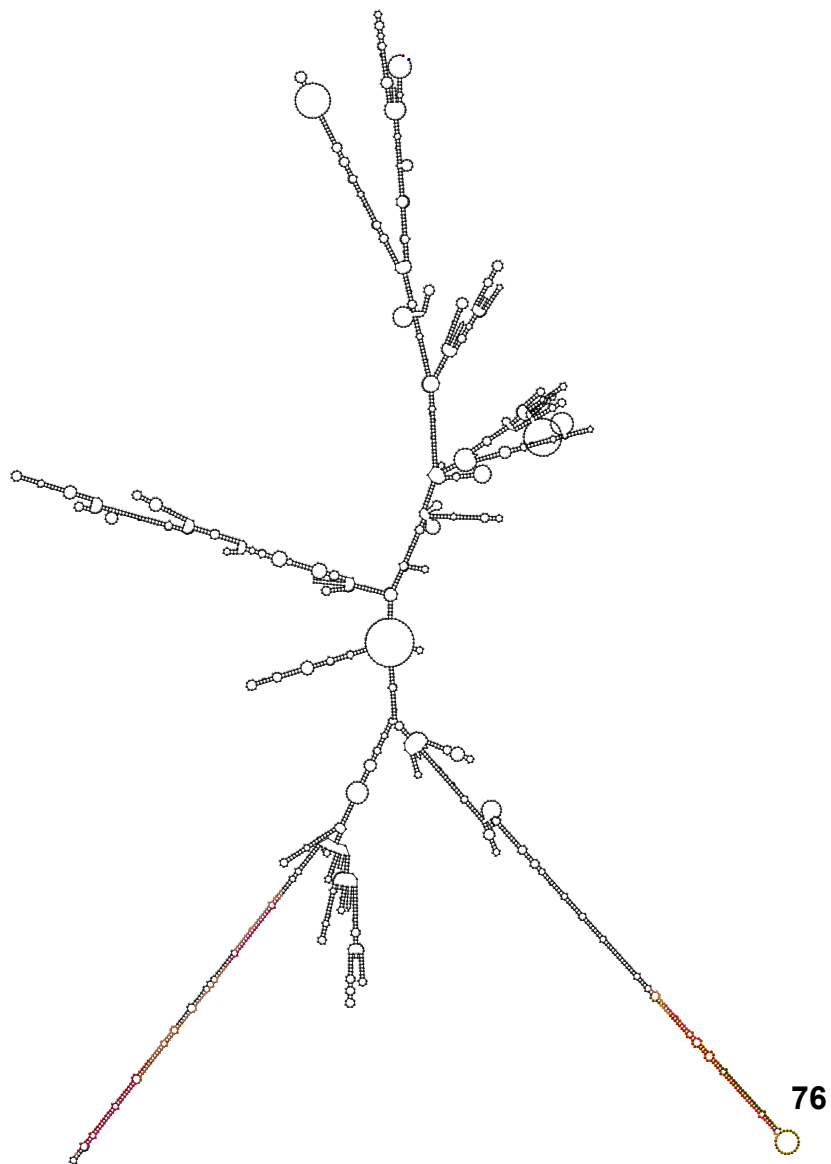


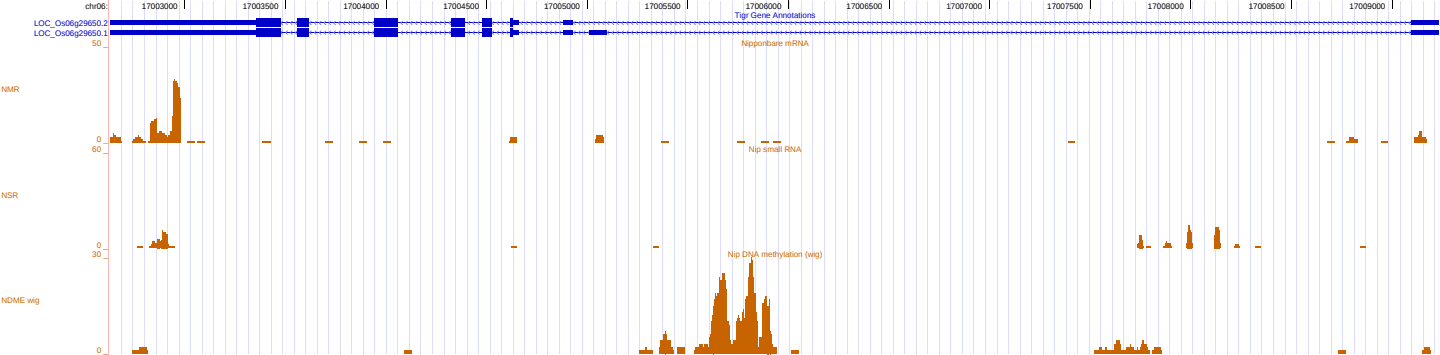










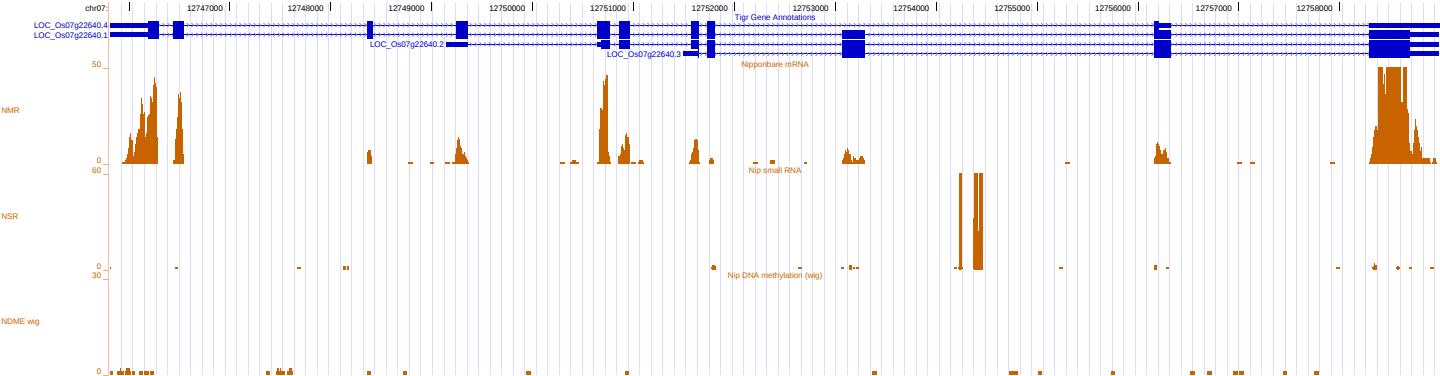


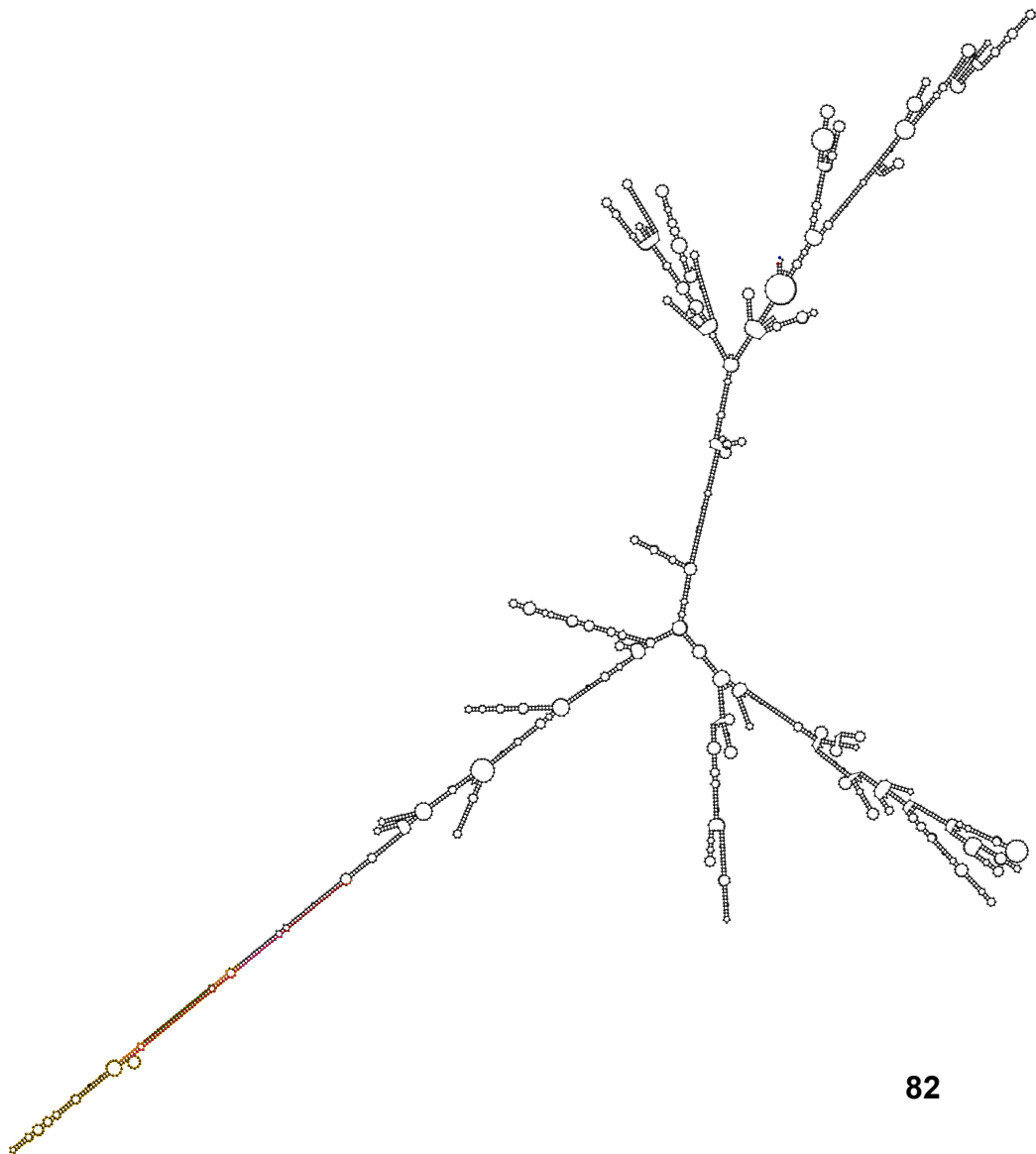


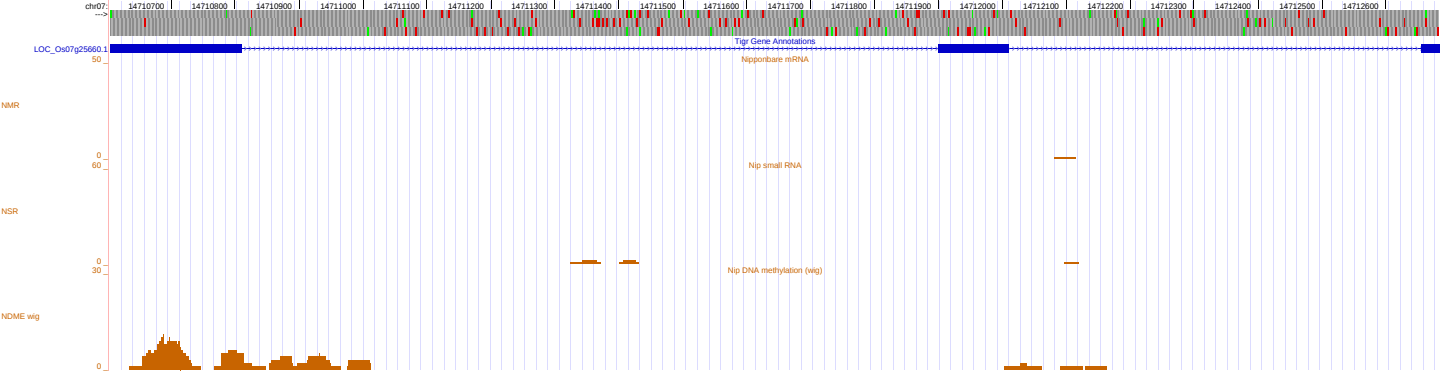
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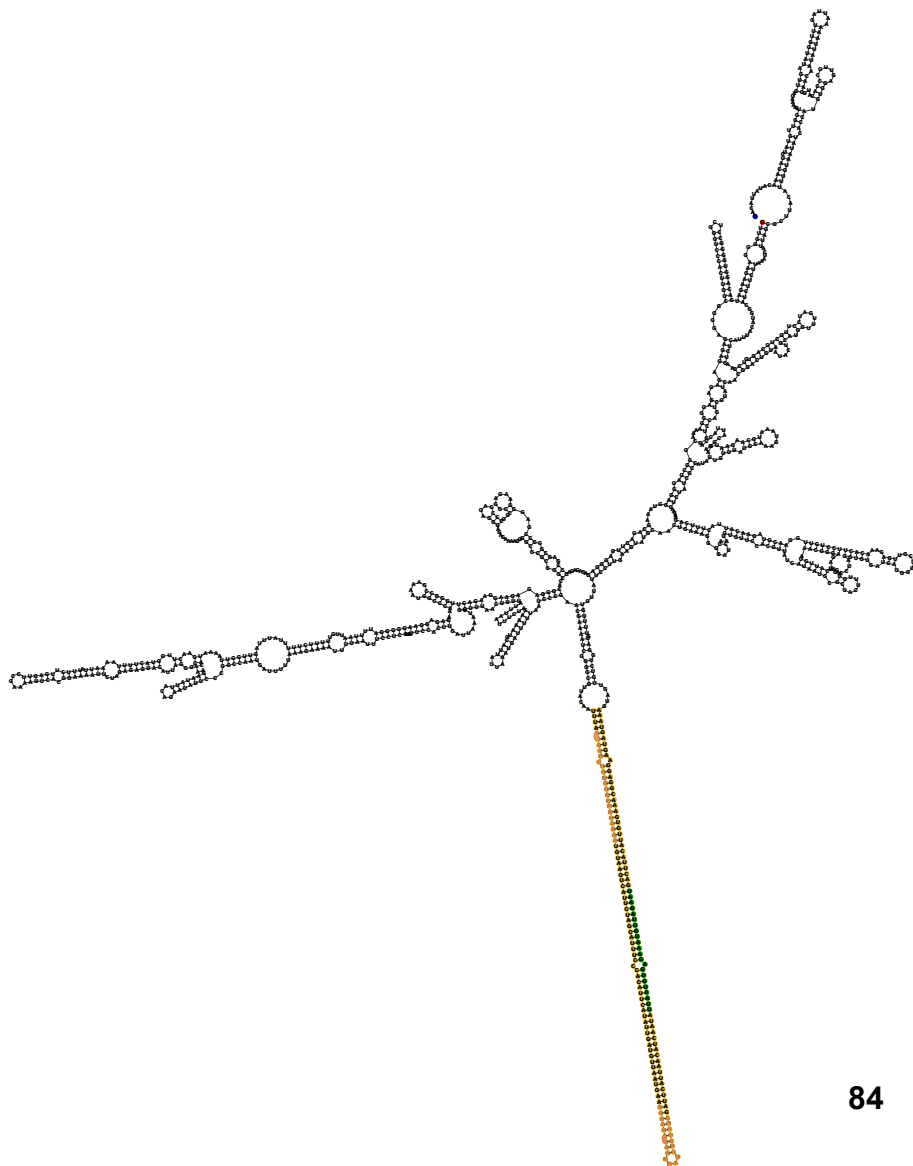


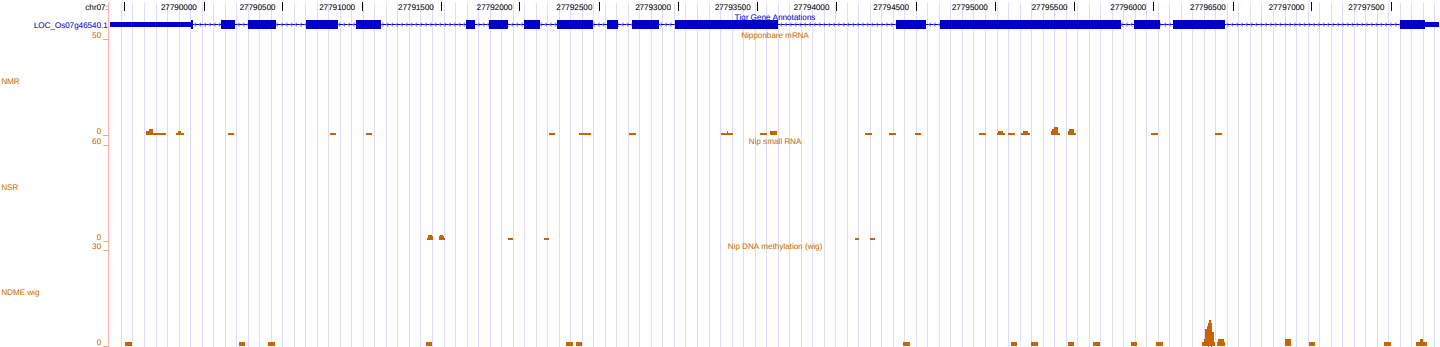


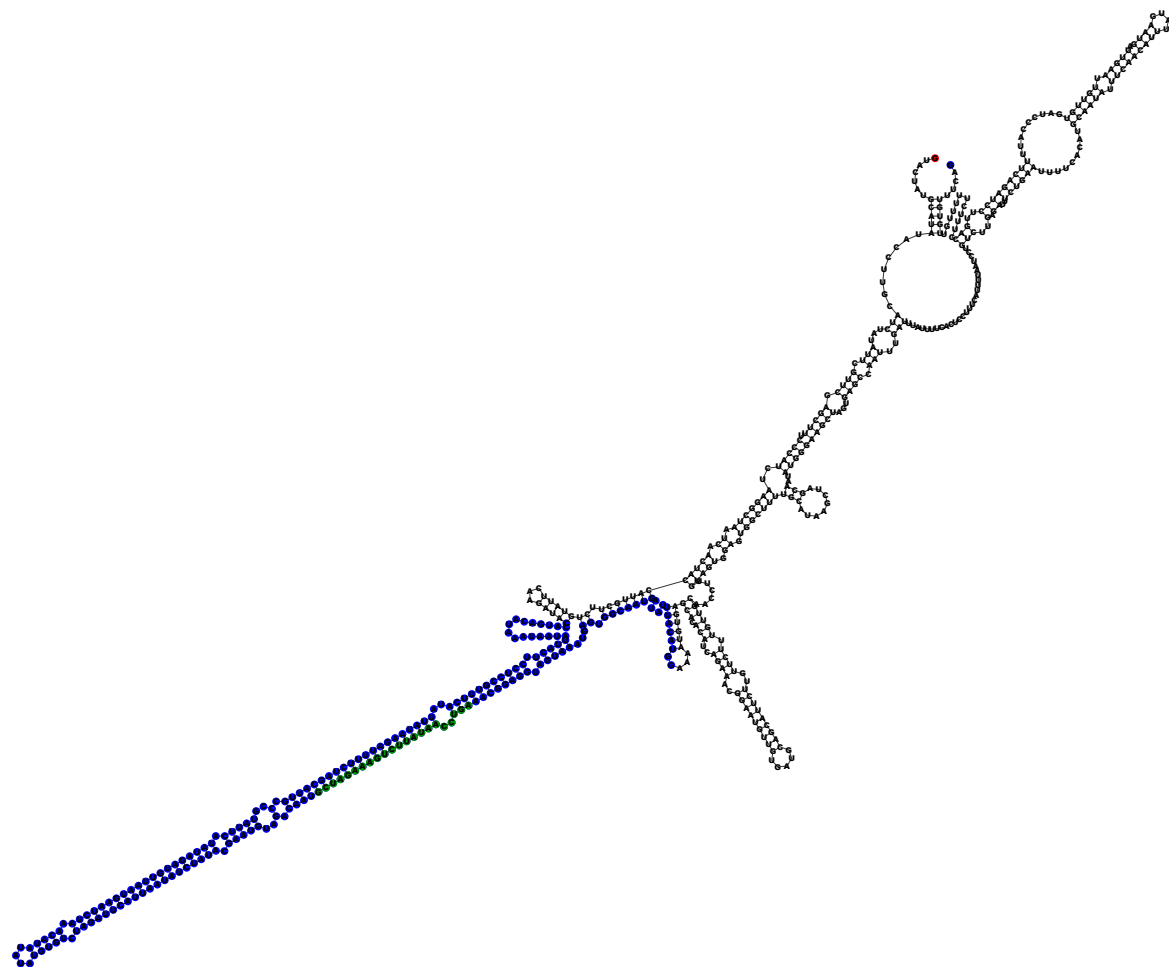


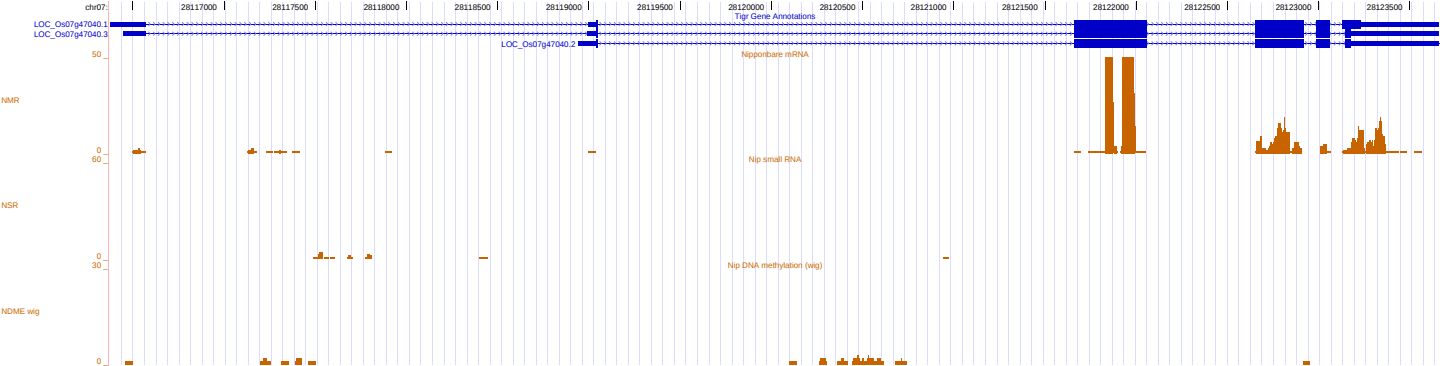




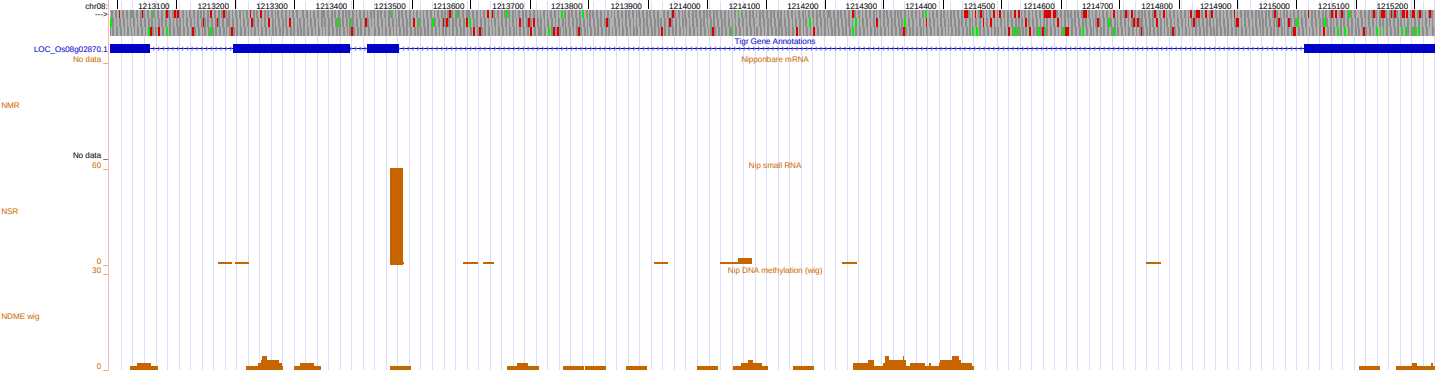


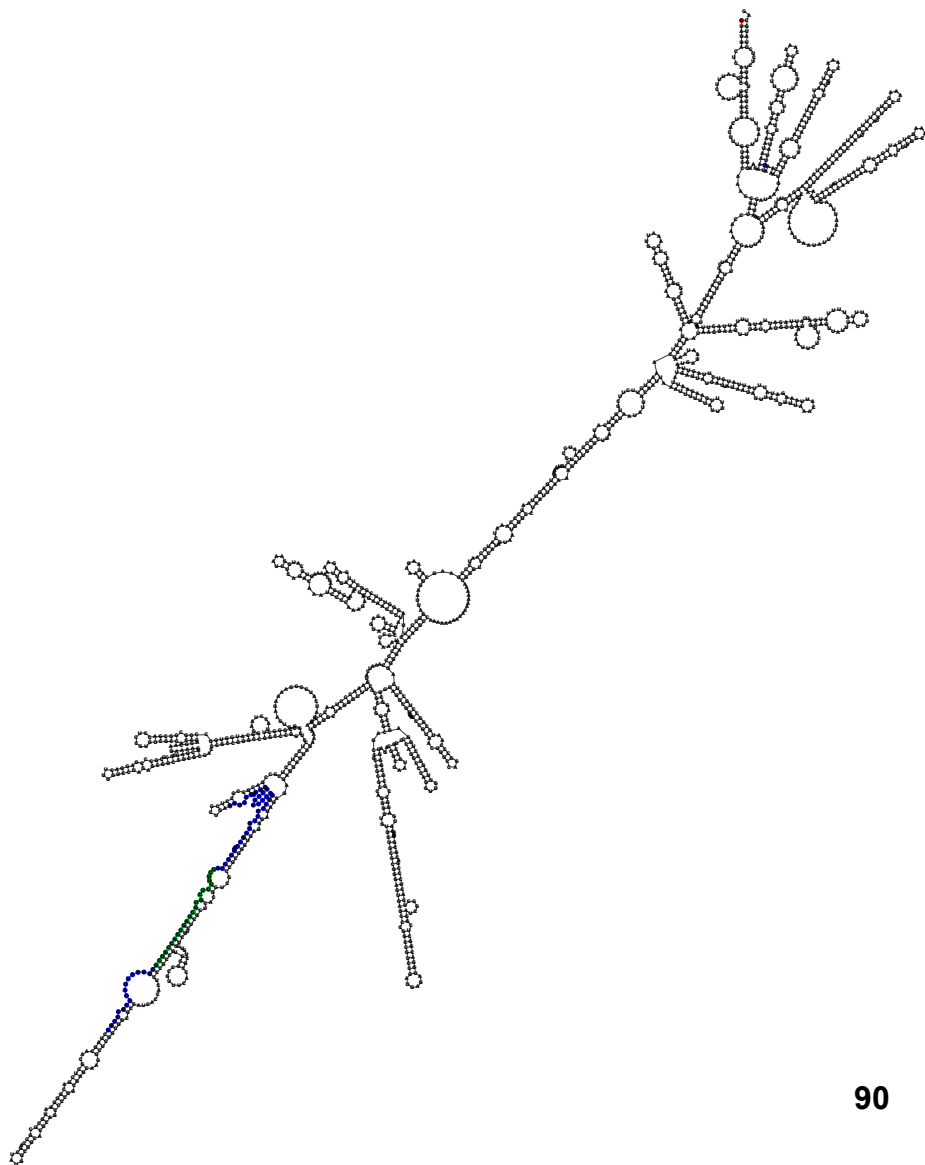




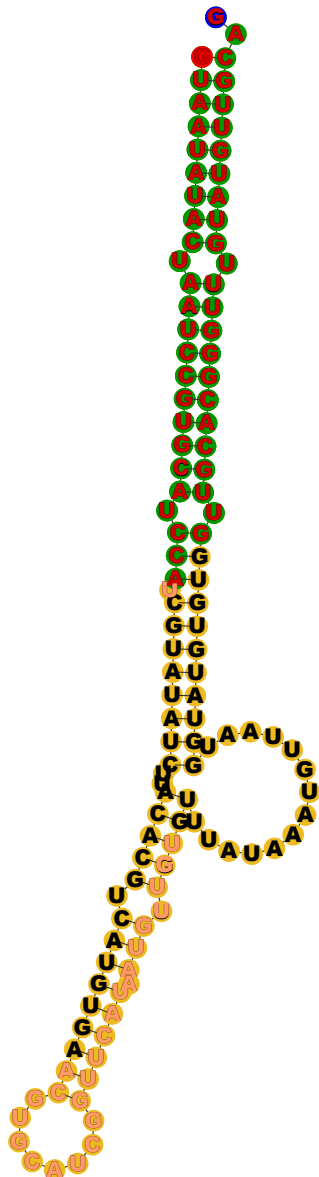


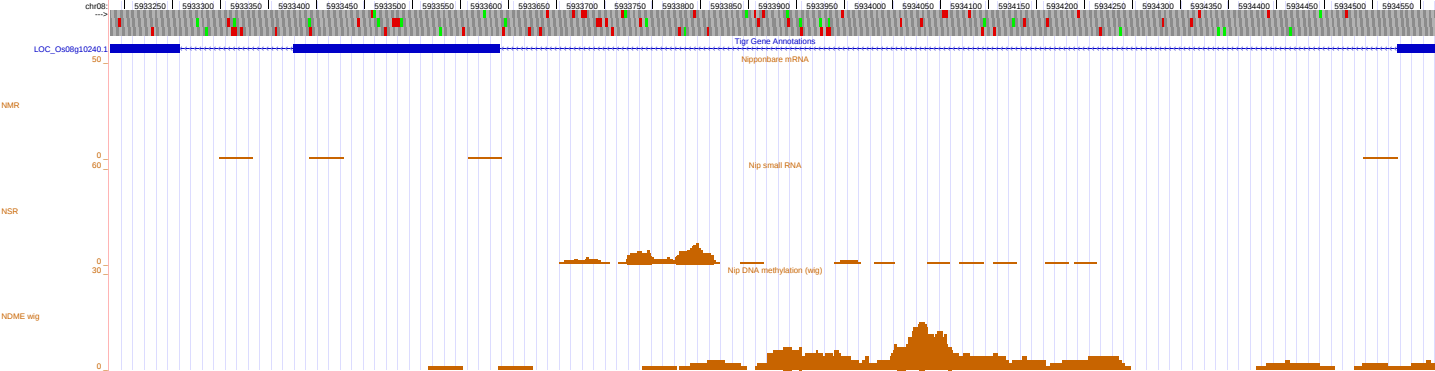


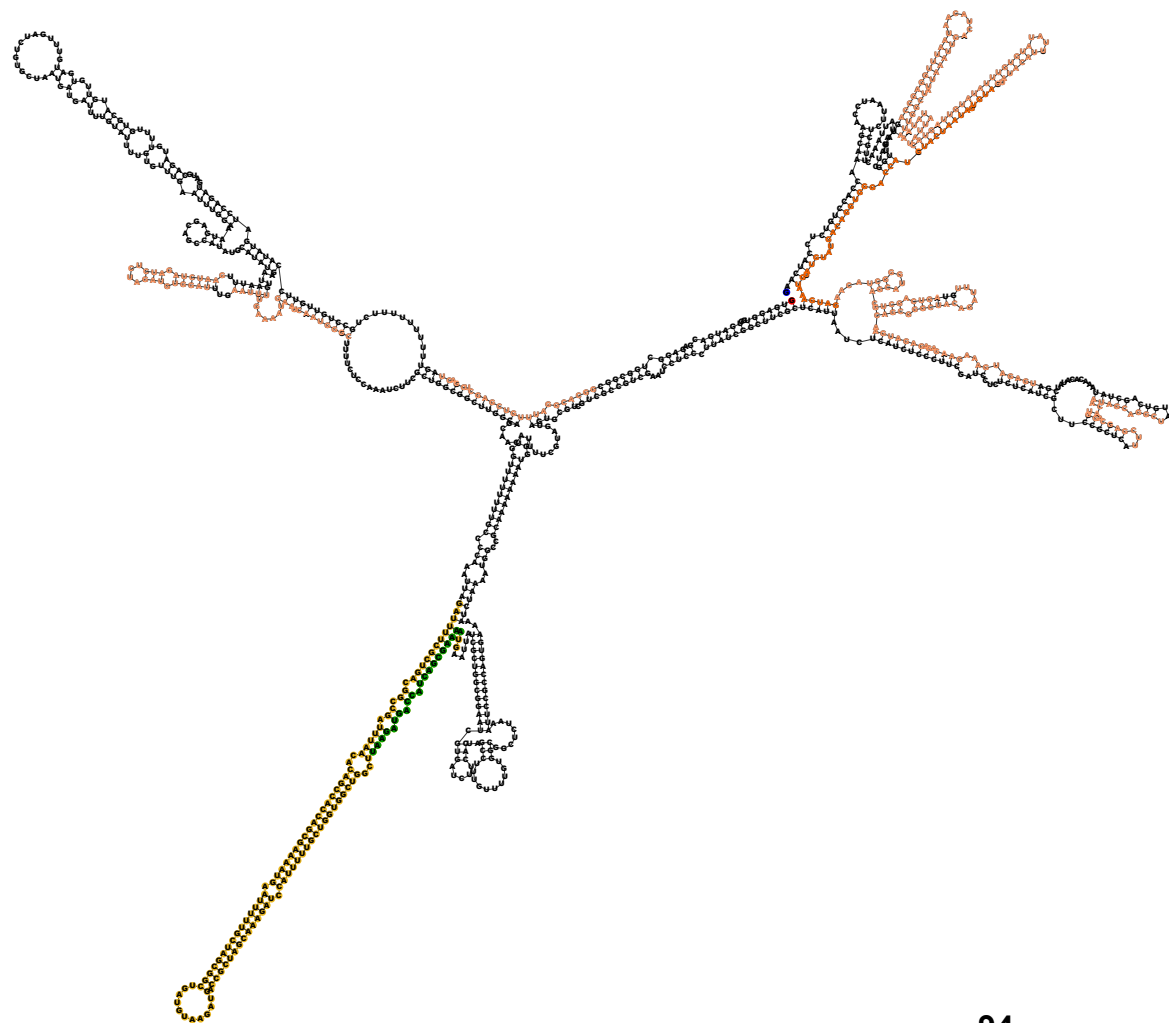


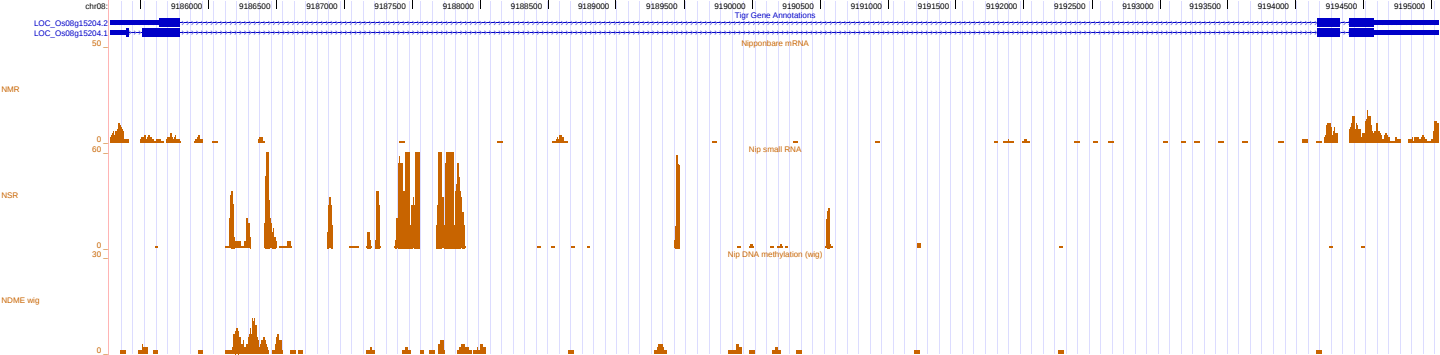


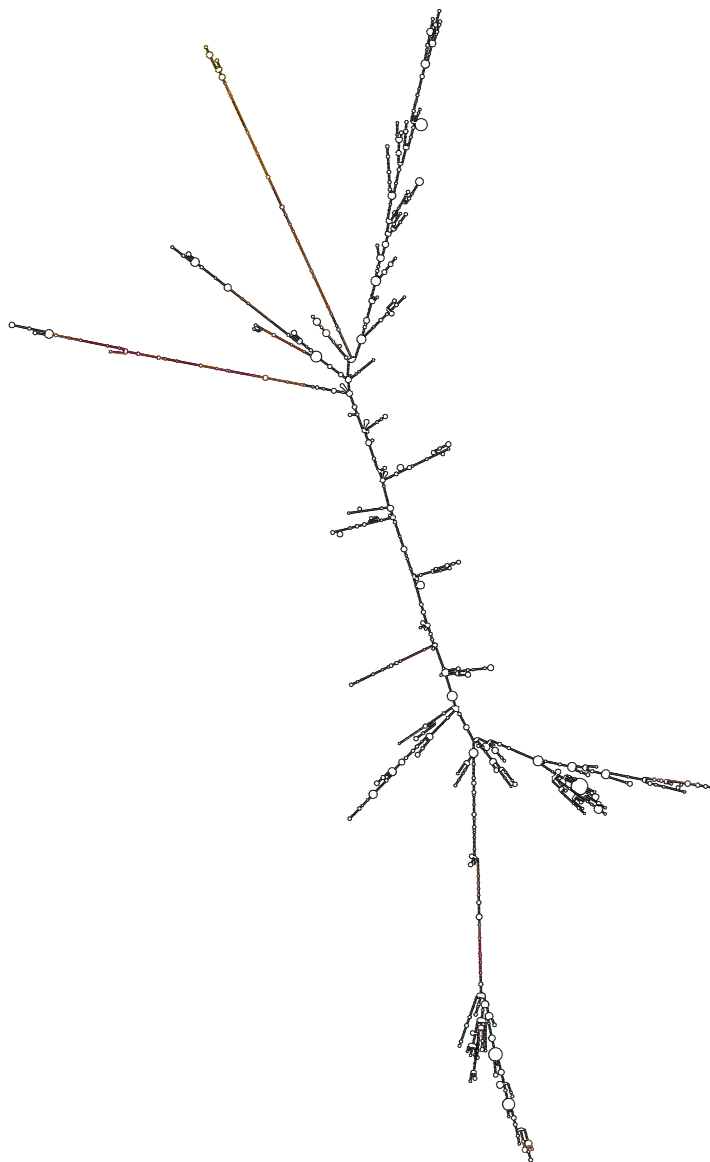


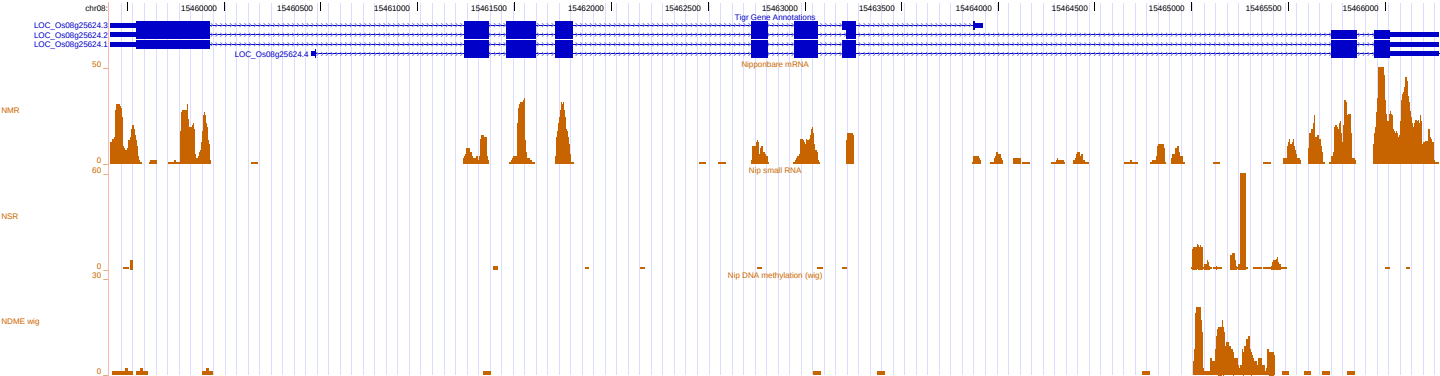


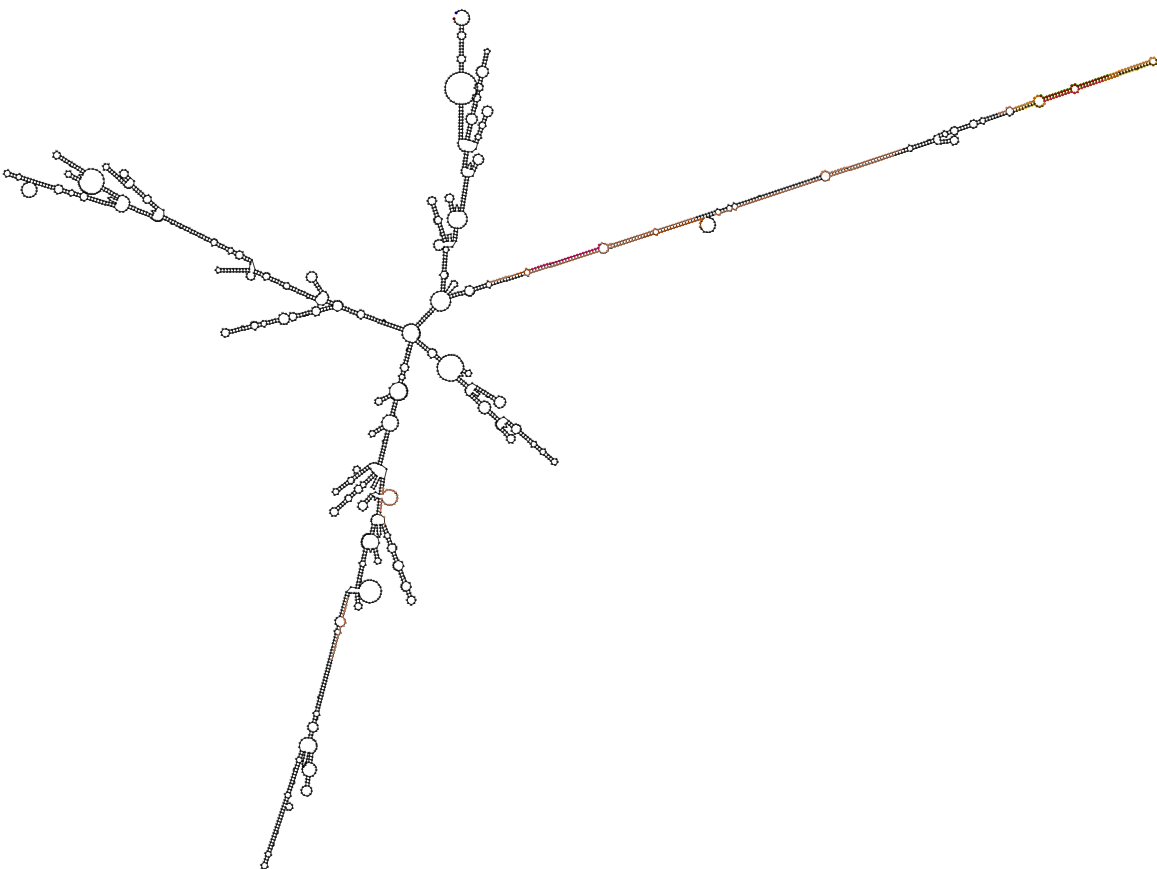


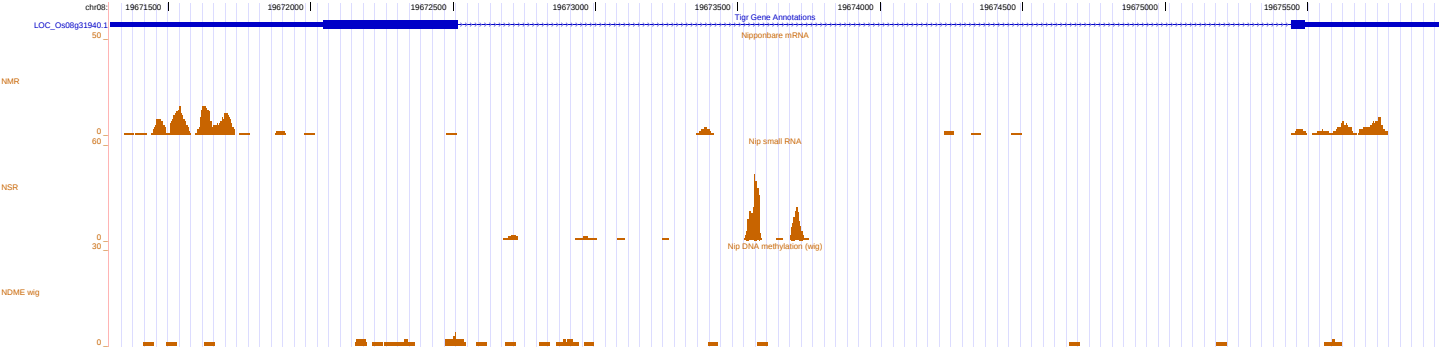




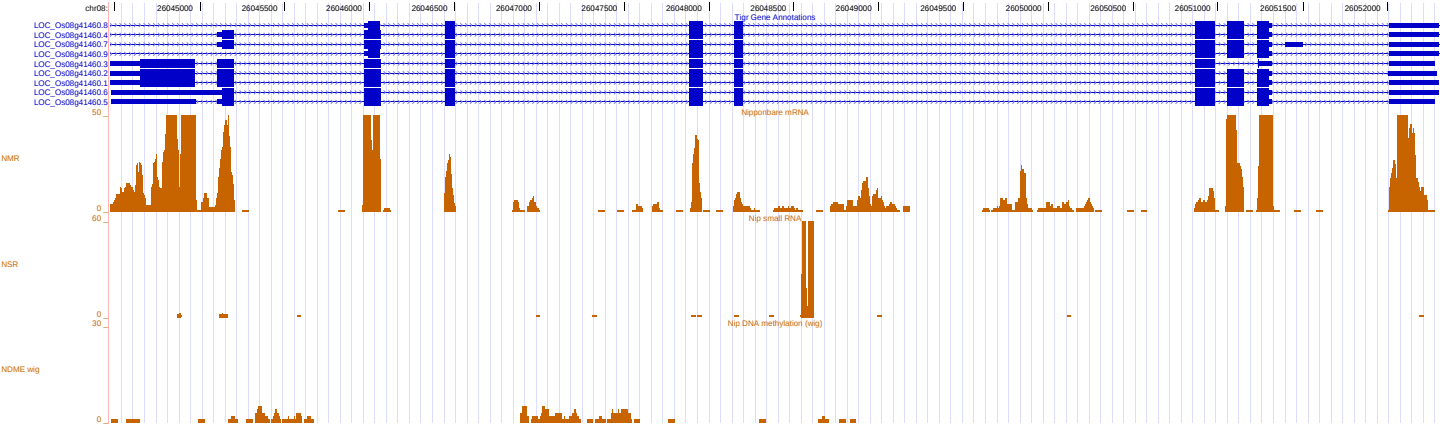




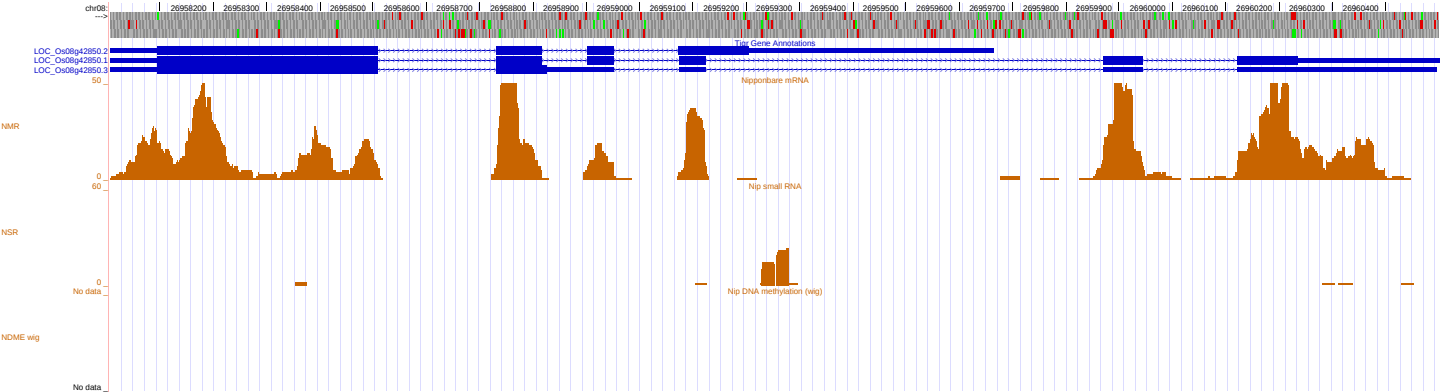


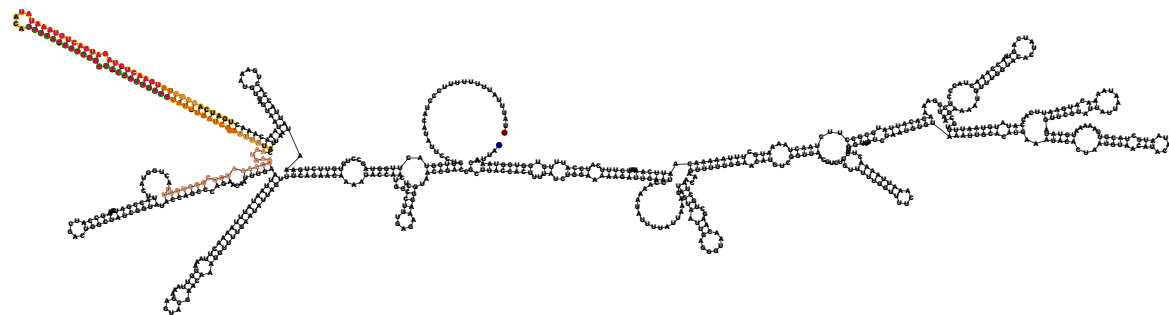


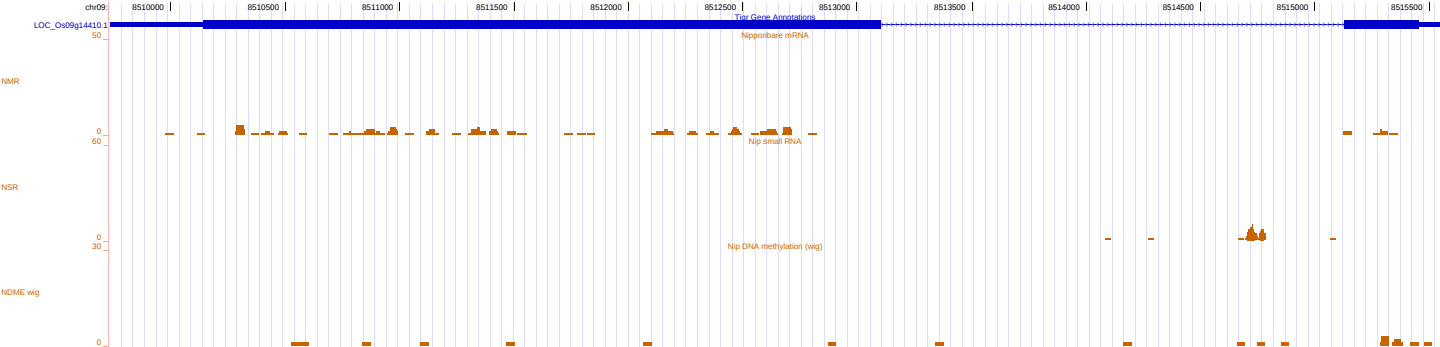


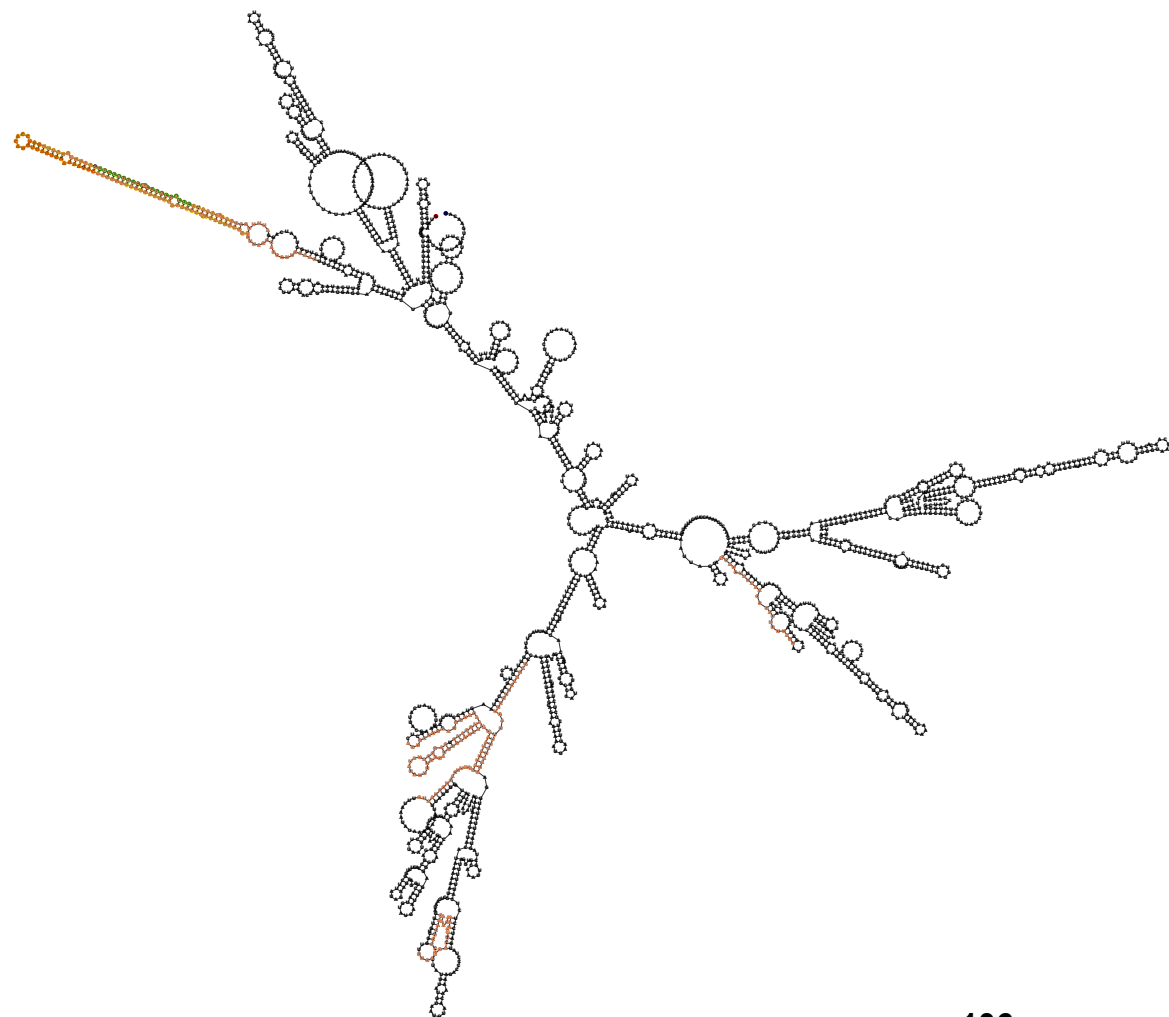


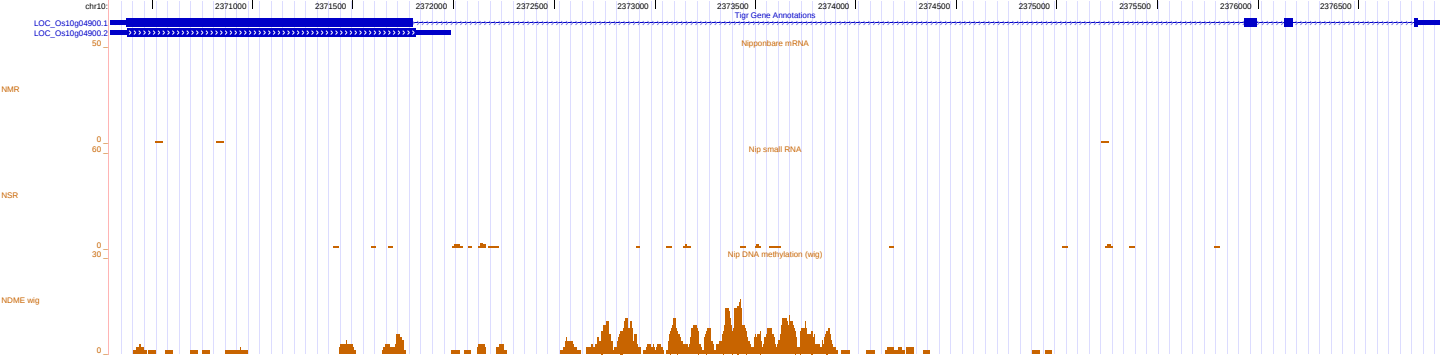




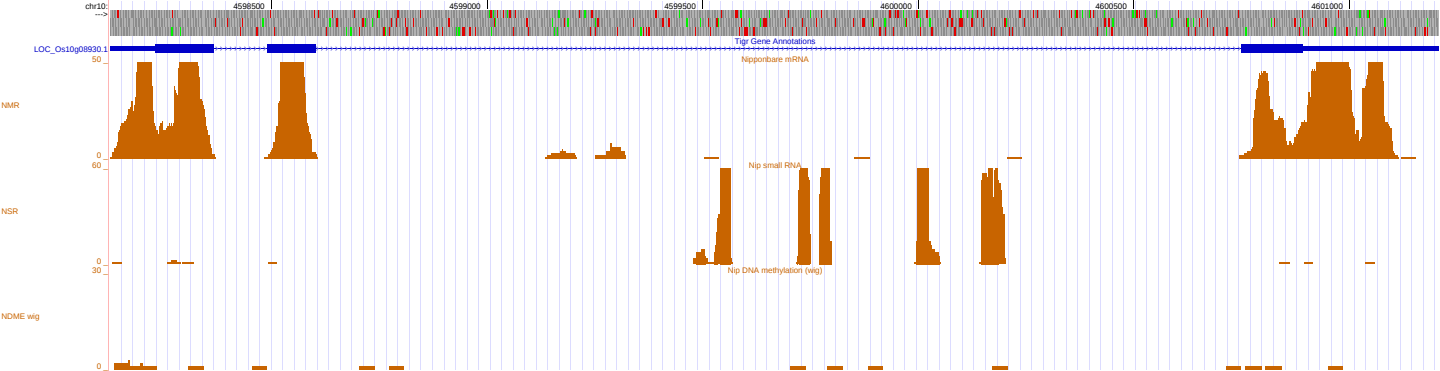


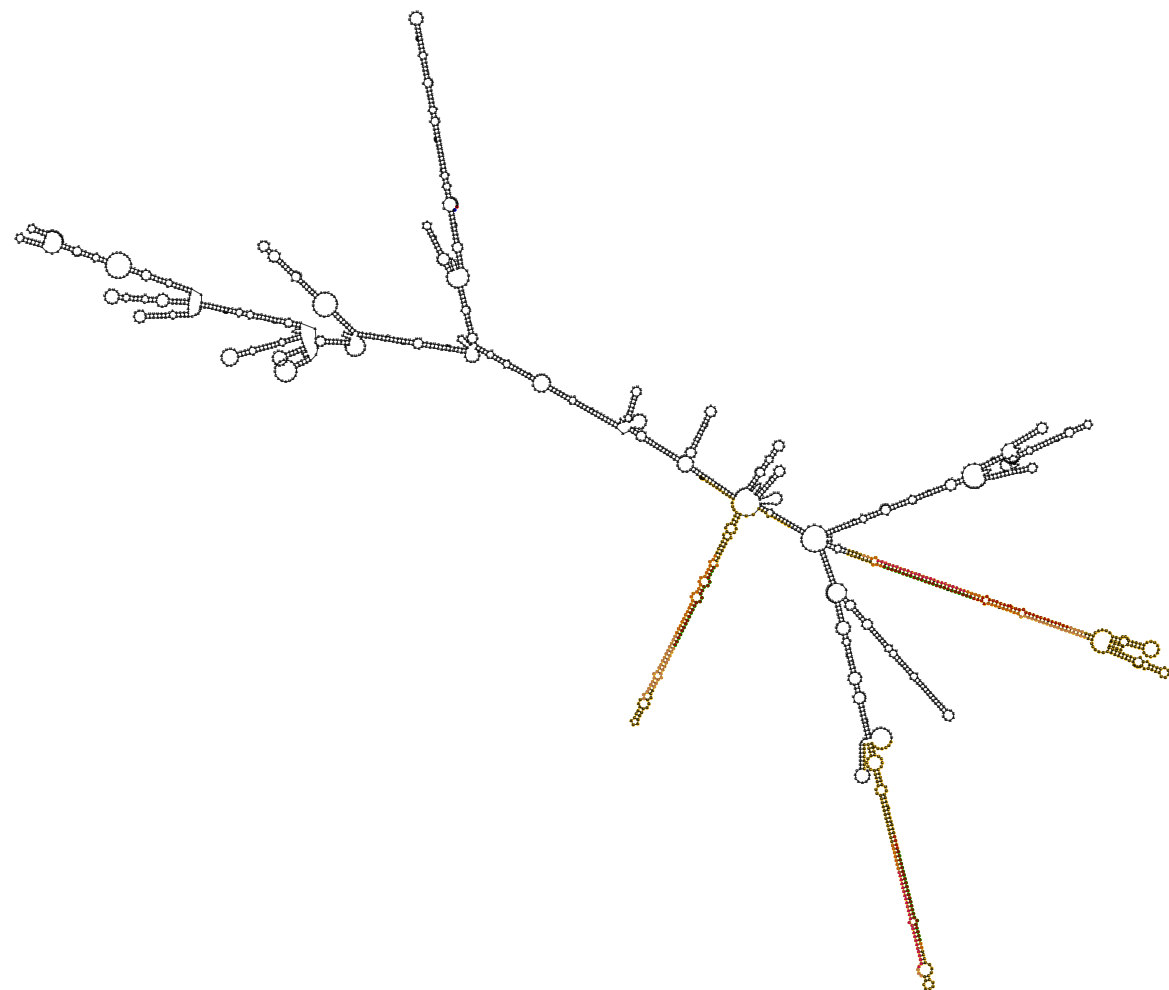




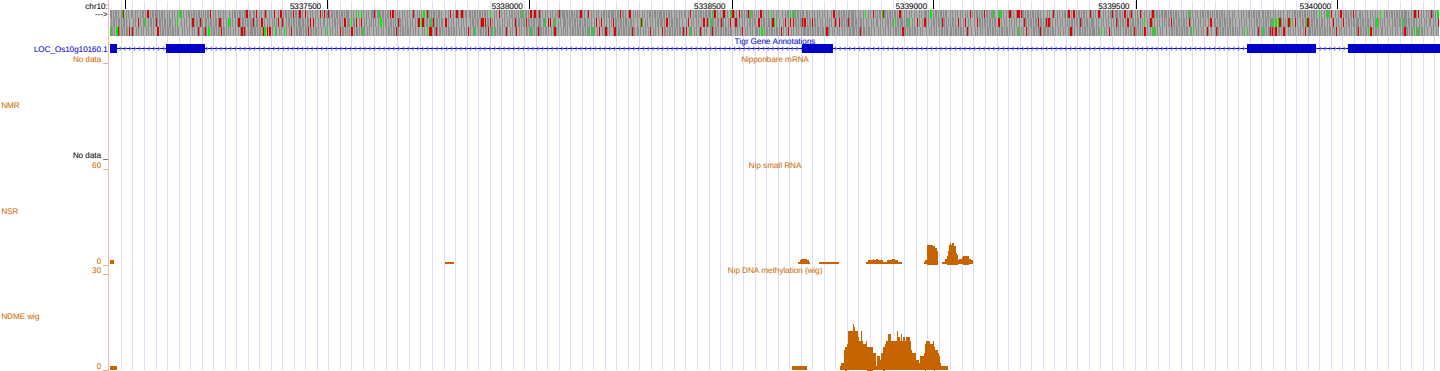


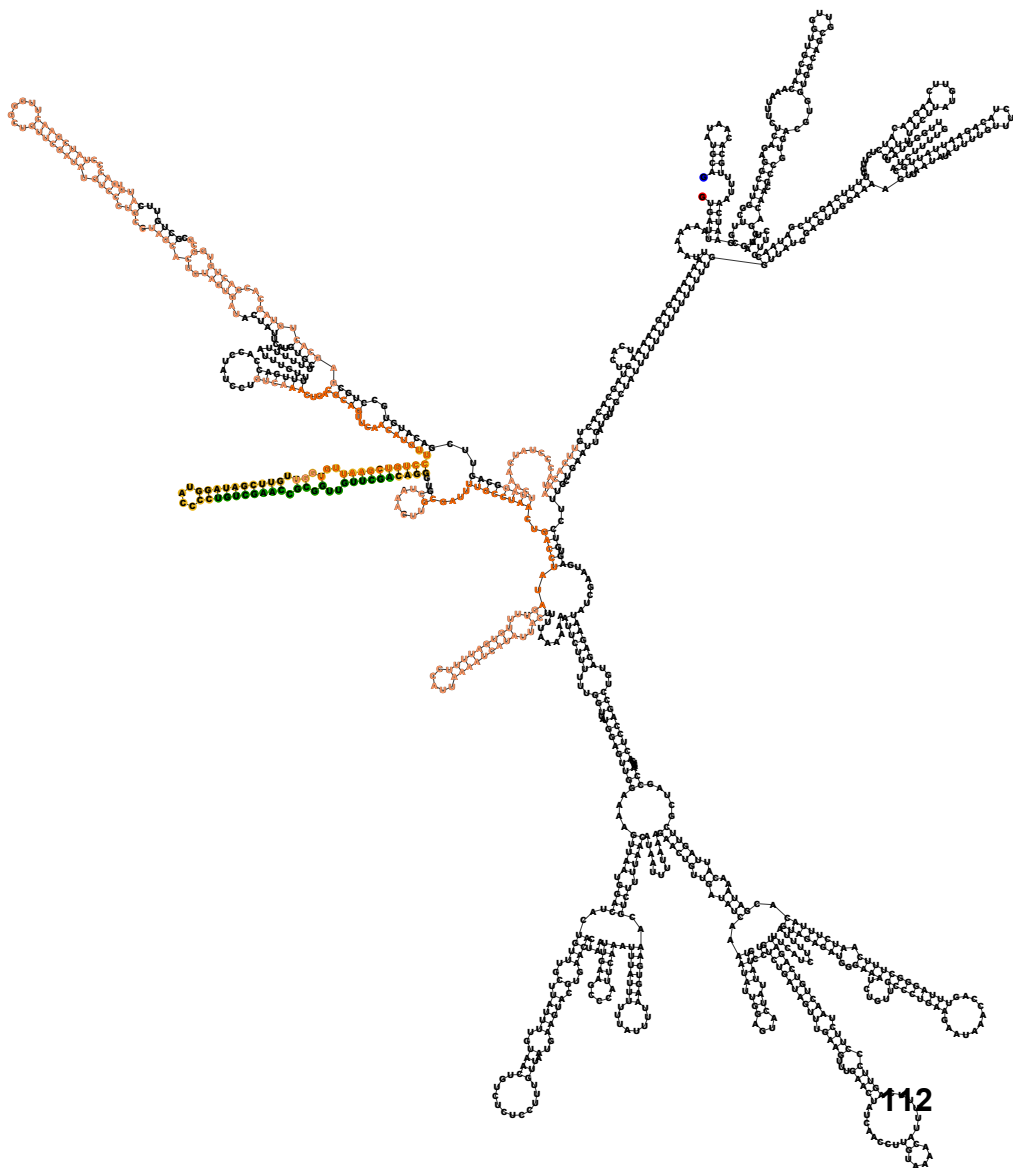


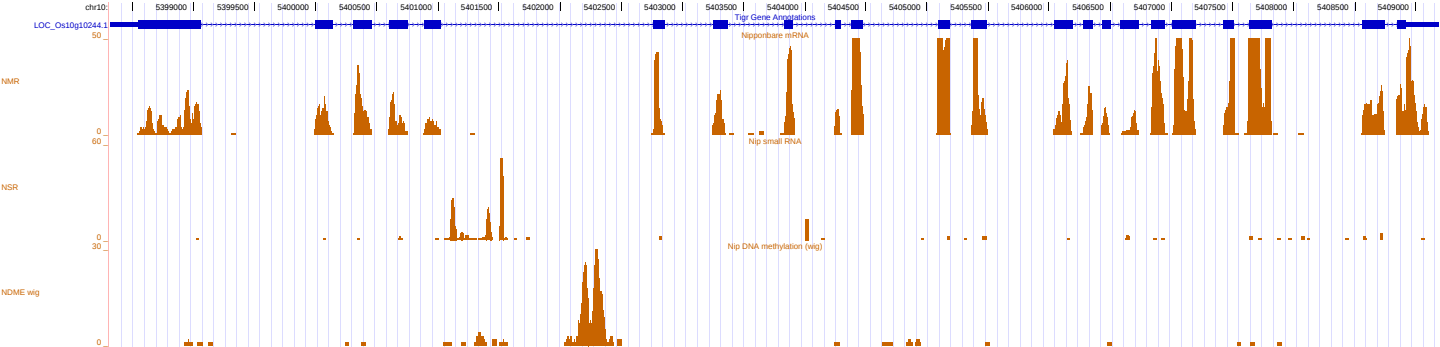


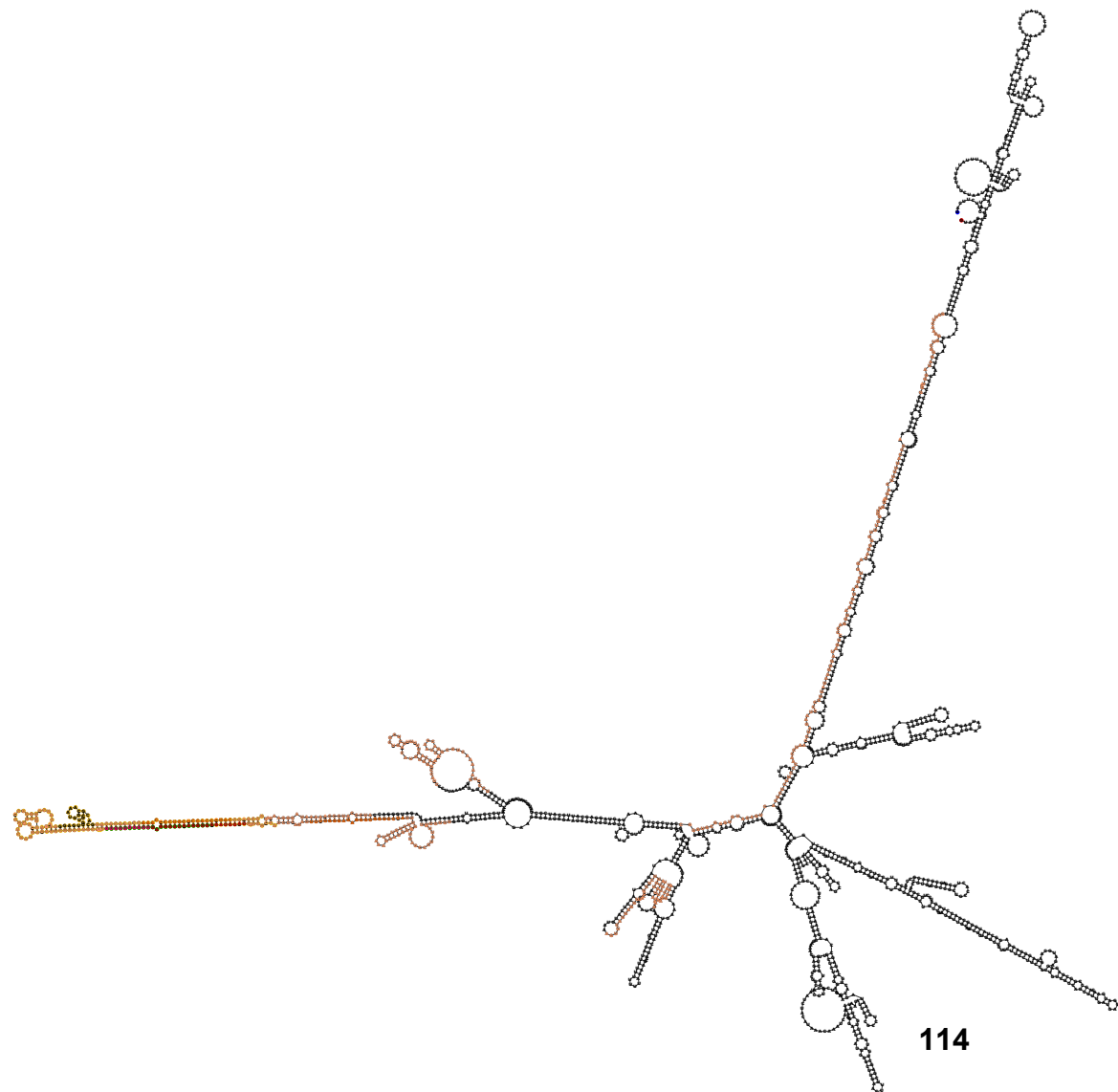


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