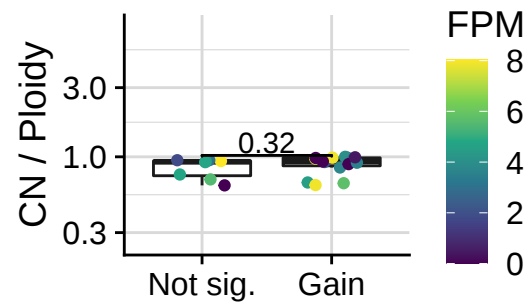
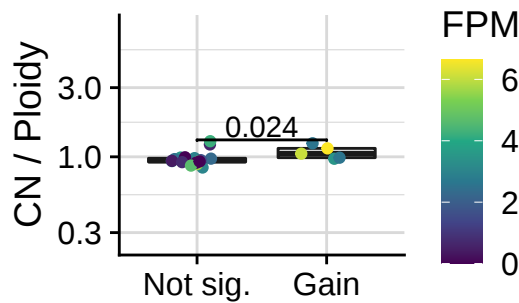
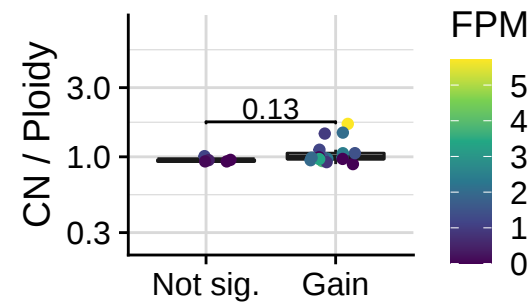
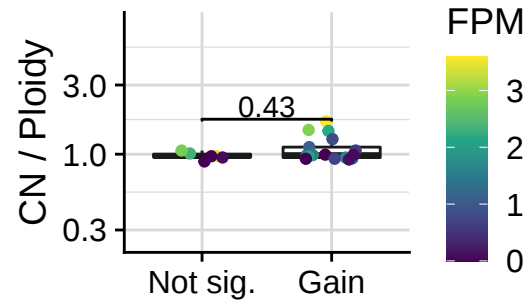
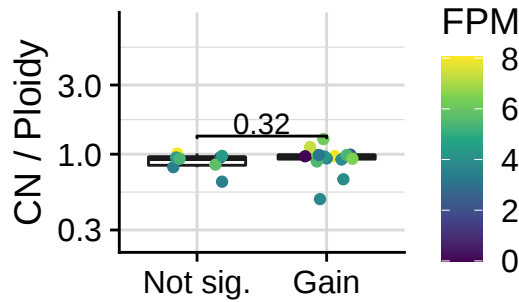
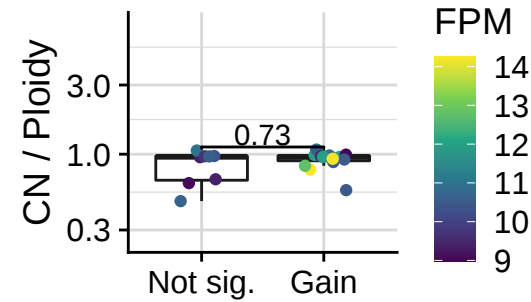
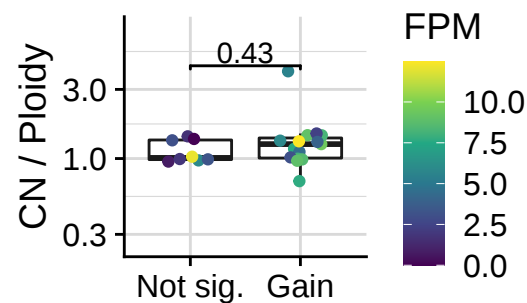
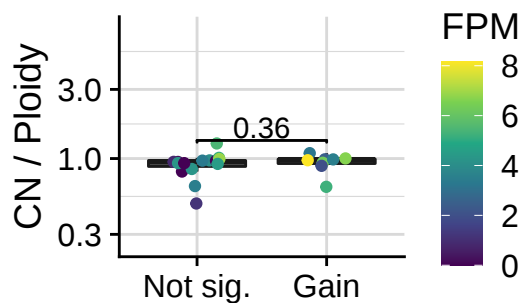
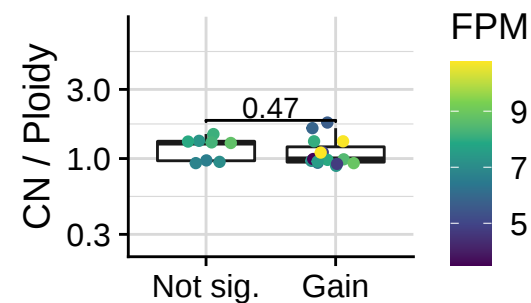
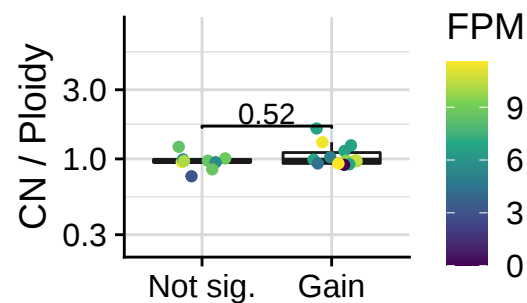
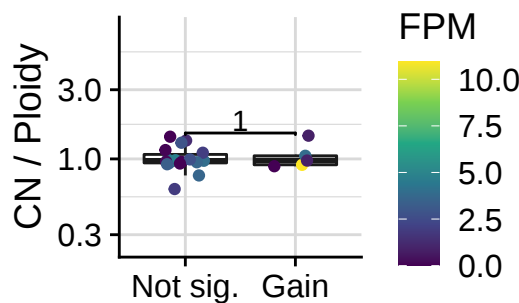
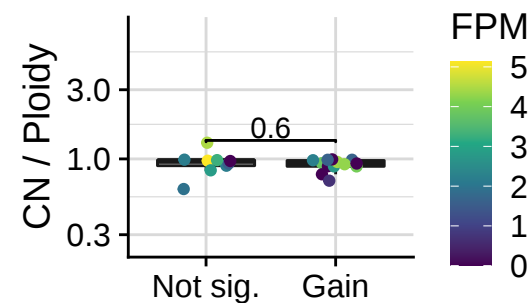
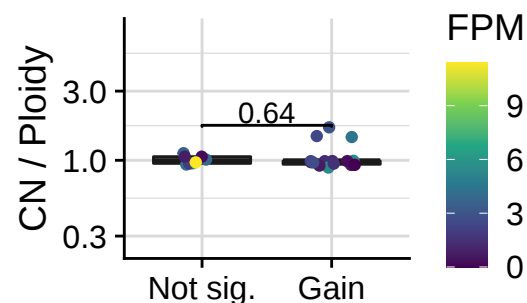
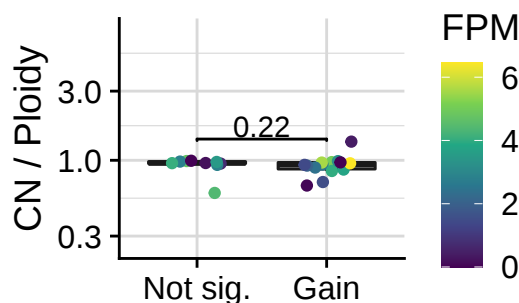
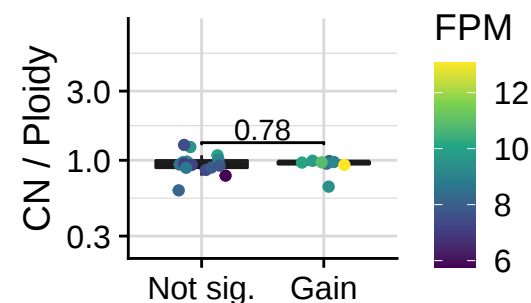
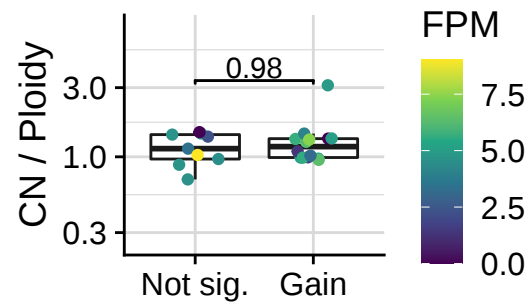


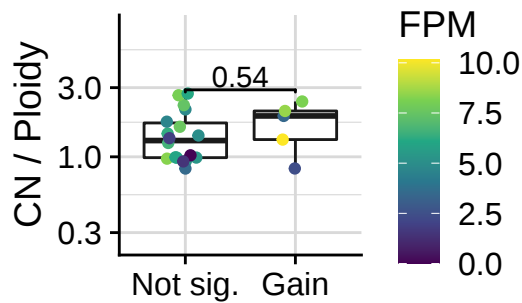
chr5:135034130–135034630PITX1 (Promoter), $p = 0.79122$ **chr6:1311742–1312242**FOXQ1 (Promoter), $p = 0.42707$ **chr19:48752815–48753315**FUT1 (Promoter), $p = 0.00015663$ **chr19:43623815–43624315**CADM4 (Promoter), $p = 0.17672$ **chr19:17842053–17842553**JAK3 (Promoter), $p = 0.15397$ **chr22:50282402–50282902**PLXNB2 (Promoter), $p = 0.00057056$ **chr8:133130728–133131228**TG (Promoter), $p = 2.4518e-06$ **chr19:7870611–7871111**PRR36 (Promoter), $p = 0.99881$ **chr7:2646791–2647291**TTYH3 (Promoter), $p = 0.9369$ **chr16:68644985–68645485**CDH3 (Promoter), $p = 0.031695$ **chr12:52235898–52236398**KRT7 (Promoter), $p = 0.98553$ **chr3:11137318–11137818**HRH1 (Promoter), $p = 0.72059$ **chr19:50969271–50969771**KLK6 (Promoter), $p = 0.95521$ **chr11:73362044–73362544**ARHGEF17 (Promoter), $p = 0.53803$ **chr17:75706968–75707468**SAP30BP (Promoter), $p = 0.0011004$ 

chr8:141230663–141231163

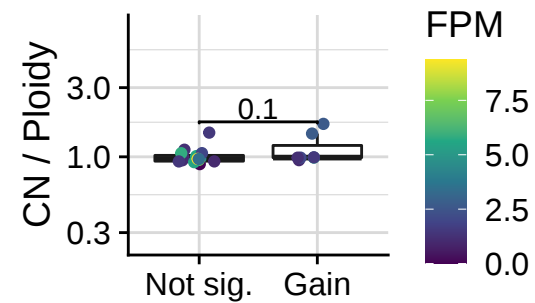
SLC45A4 (Promoter), p = NA

**chr20:63699052–63699552**

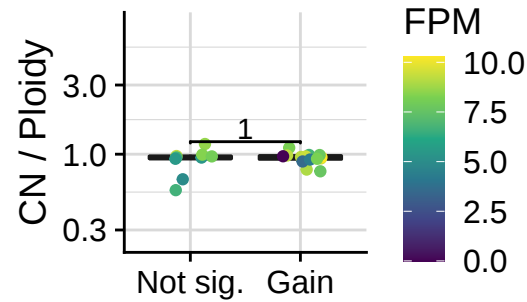
ARFRP1 (Promoter), p = 0.38574

**chr19:47730036–47730536**

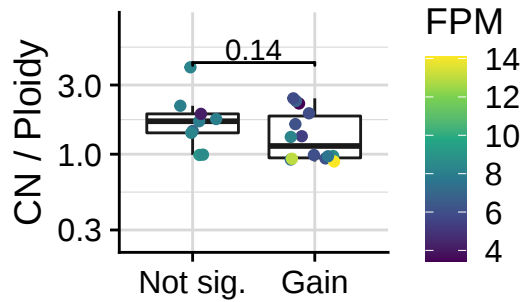
EHD2 (Promoter), p = 0.95203

**chr22:26471440–26471940**

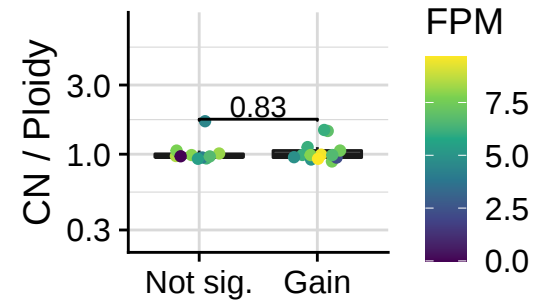
HPS4 (Promoter), p = 0.6942

**chr20:48656821–48657321**

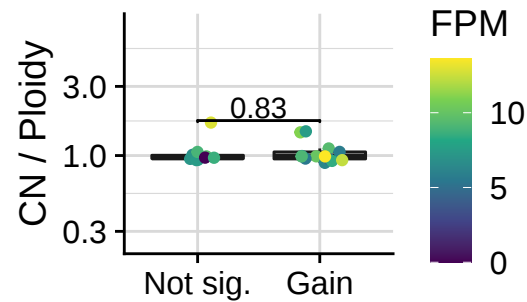
PREX1 (Promoter), p = 0.58126

**chr19:45308035–45308535**

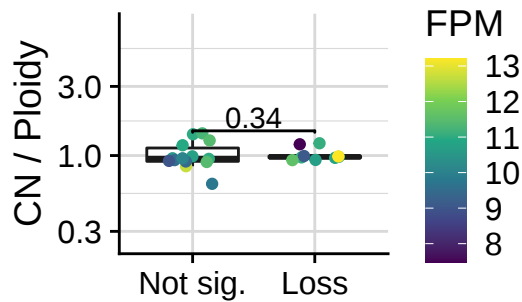
MARK4 (Enhancer), p = 0.13725

**chr19:45308035–45308535**

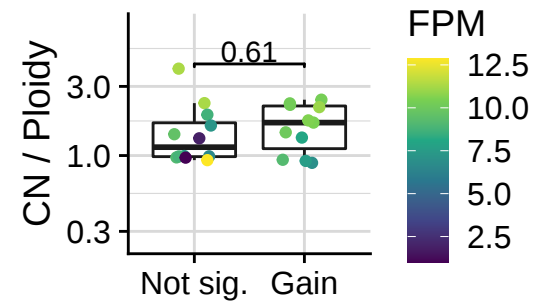
CLASRP (Enhancer), p = 0.48002

**chr9:2053751–2054251**

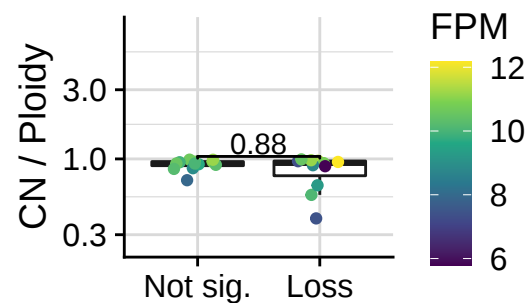
SMARCA2 (Promoter), p = 0.65348

**chr20:47809591–47810091**

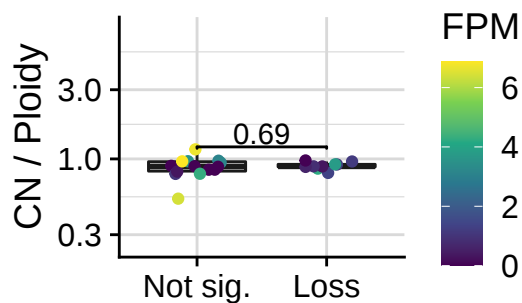
SULF2 (Enhancer), p = 4.023e-08

**chr10:59805006–59805506**

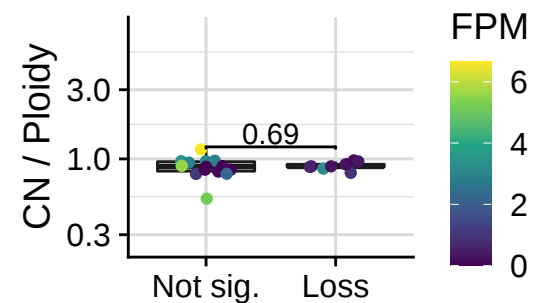
CCDC6 (Promoter), p = 0.17093

**chr1:121184393–121184893**

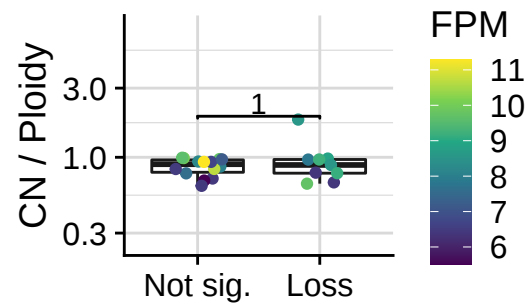
SRGAP2C (Promoter), p = 0.42464

**chr1:121184393–121184893**

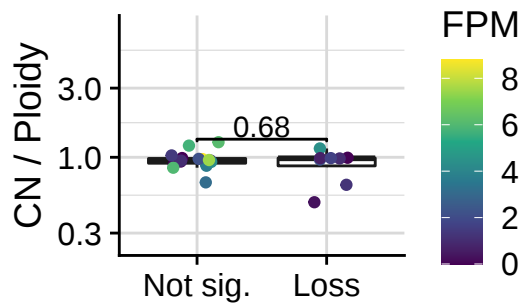
FAM72B (Promoter), p = NA

**chr4:18393336–1839836**

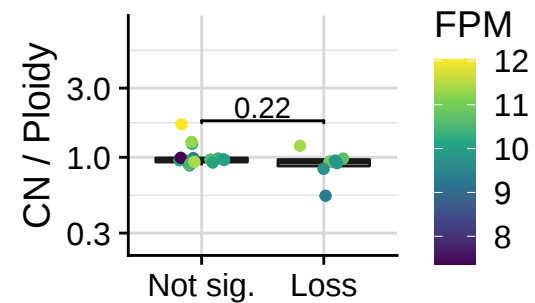
LETM1 (Promoter), p = 0.62275

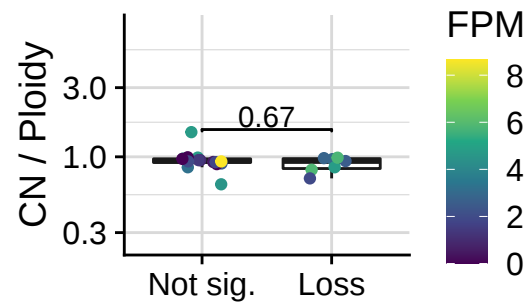
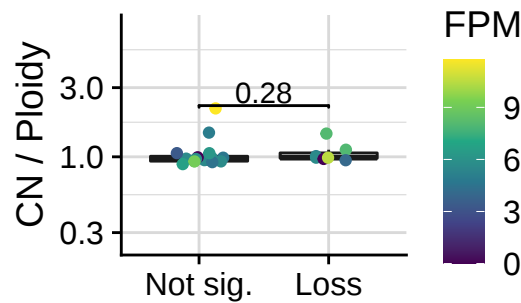
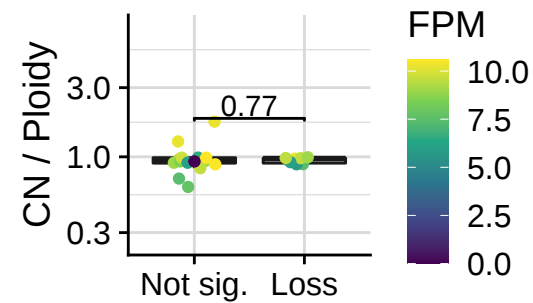
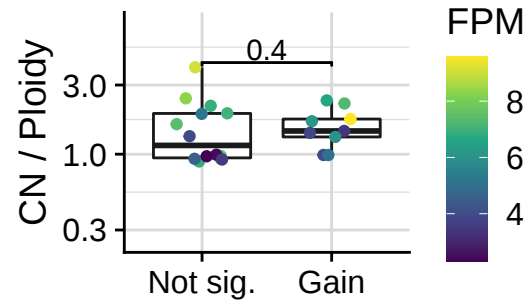
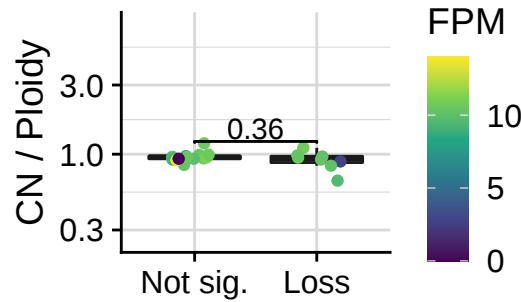
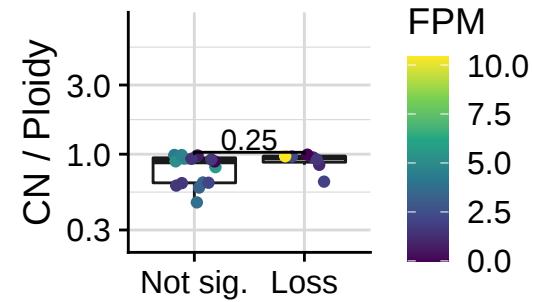
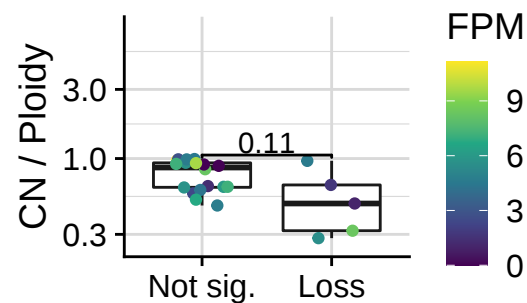
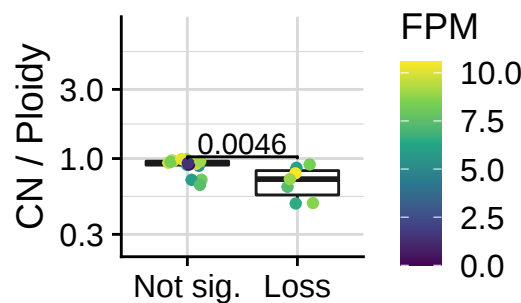
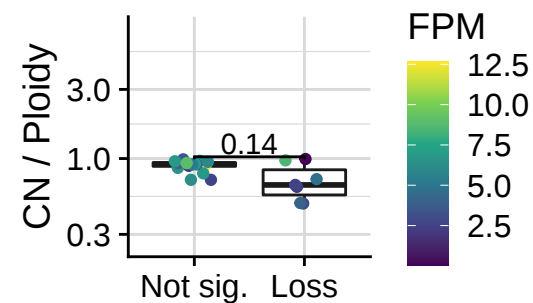
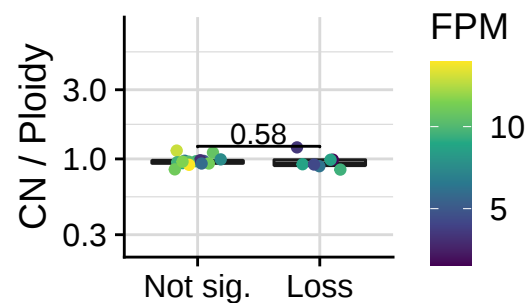
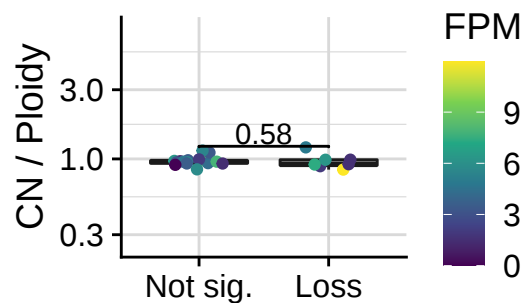
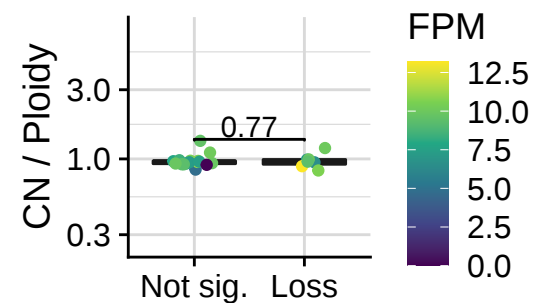
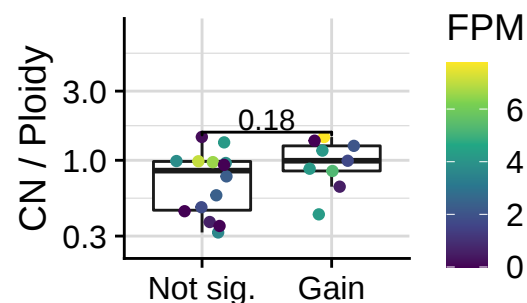
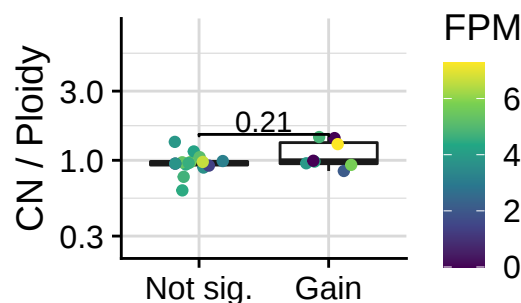
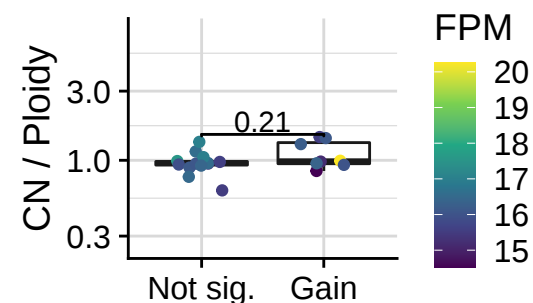
**chr19:21851889–21852389**

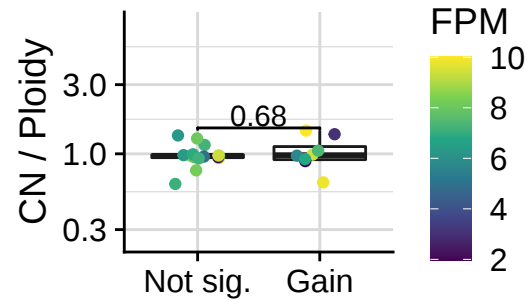
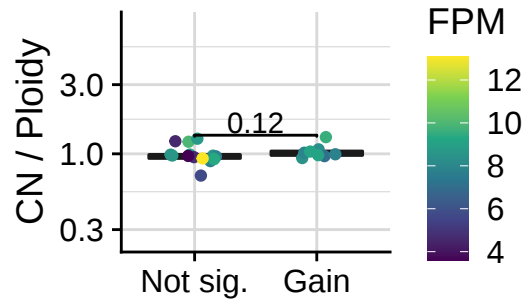
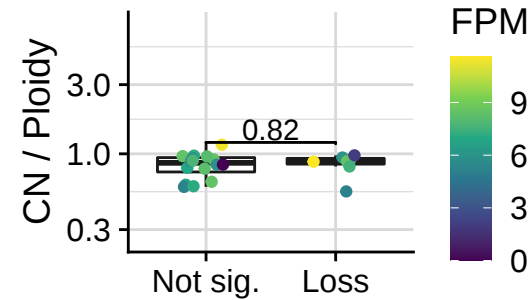
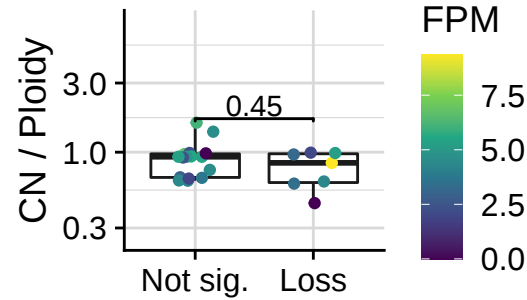
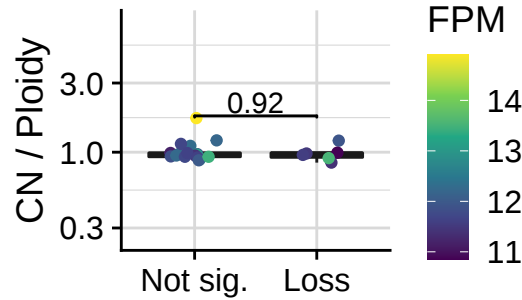
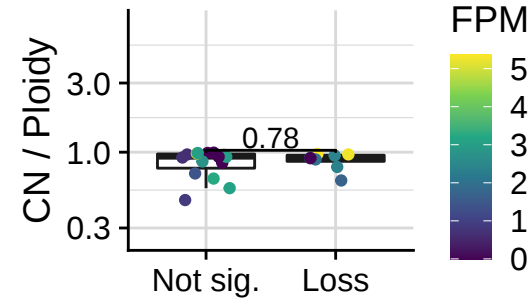
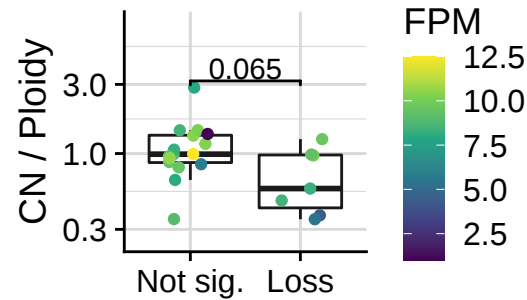
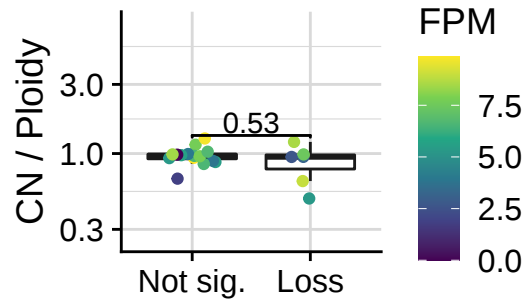
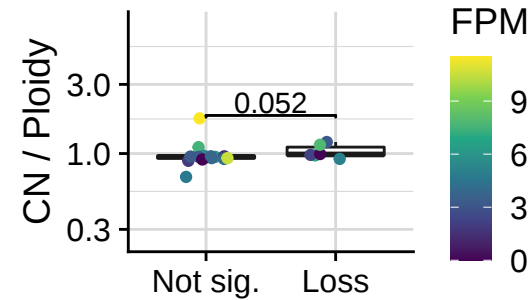
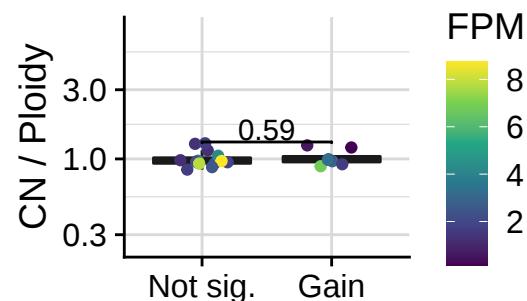
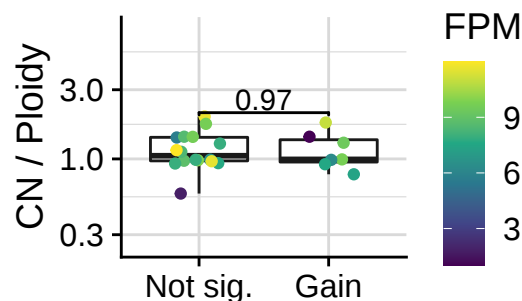
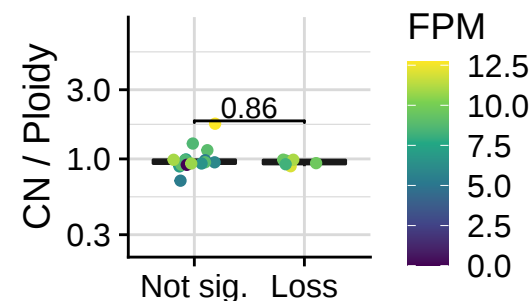
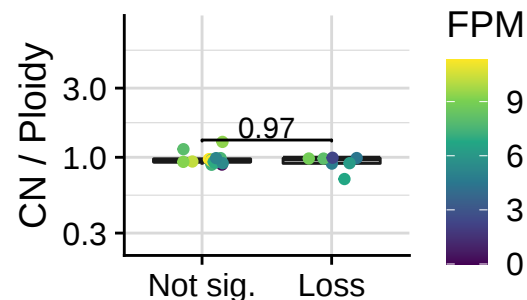
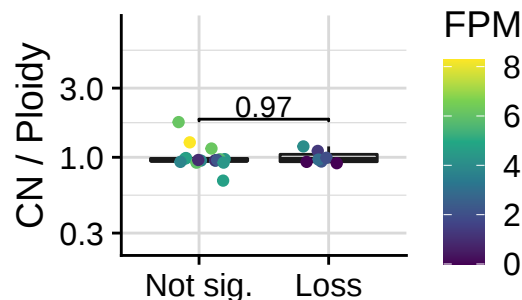
ZNF43 (Promoter), p = 0.0013678

**chr1:246874934–246875434**

AHCTF1 (Promoter), p = 0.13443



chr1:44014242–44014742SLC6A9 (Promoter), $p = 0.97074$ **chr19:55086973–55087473**EPS8L1 (Promoter), $p = 0.8453$ **chr3:33791629–33792129**CLASP2 (Enhancer), $p = 0.077409$ **chr20:51487818–51488318**NFATC2 (Enhancer), $p = 0.30293$ **chr2:135633520–135634020**R3HDM1 (Promoter), $p = 0.034091$ **chr21:31558930–31559430**TIAM1 (Promoter), $p = 0.23294$ **chr18:5630460–5630960**EPB41L3 (Promoter), $p = 0.28776$ **chr4:101160953–101161453**PPP3CA (Promoter), $p = 0.66$ **chr4:80058687–80059187**ANTXR2 (Enhancer), $p = \text{NA}$ **chr2:88144817–88145317**FABP1 (Enhancer), $p = 0.00016266$ **chr2:88144817–88145317**THNSL2 (Enhancer), $p = 0.71077$ **chr2:121363584–121364084**CLASP1 (Enhancer), $p = 2.9278\text{e-}09$ **chr8:19661066–19661566**CSGALNACT1 (Enhancer), $p = 0.0048517$ **chr12:53978873–53979373**TARBP2 (Enhancer), $p = 0.37193$ **chr12:53978873–53979373**HNRNPA1 (Enhancer), $p = 0.74598$ 

chr12:94389729–94390229CEP83 (Enhancer), $p = 0.56166$ **chr16:4944634–4945134**PPL (Enhancer), $p = NA$ **chr15:34362318–34362818**LPCAT4 (Promoter), $p = 0.66536$ **chr5:55700661–55701161**SLC38A9 (Promoter), $p = 0.9809$ **chr2:61218707–61219207**USP34 (Promoter), $p = 0.047615$ **chr10:88553102–88553602**RNLS (Enhancer), $p = 0.024026$ **chr8:30804244–30804744**PPP2CB (Enhancer), $p = 0.057433$ **chr19:20999605–21000105**ZNF431 (Enhancer), $p = 0.26784$ **chr2:196101142–196101642**DNAH7 (Enhancer), $p = 0.24038$ **chr6:37024608–37025108**FGD2 (Enhancer), $p = 0.82929$ **chr13:112791724–112792224**ATP11A (Enhancer), $p = 0.7899$ **chr3:171676585–171677085**PLD1 (Promoter), $p = 0.9957$ **chr3:146164913–146165413**PLOD2 (Promoter), $p = 0.096738$ **chr2:213284089–213284589**SPAG16 (Promoter), $p = NA$ **chr7:134458962–134459462**AKR1B1 (Promoter), $p = 0.041949$ 