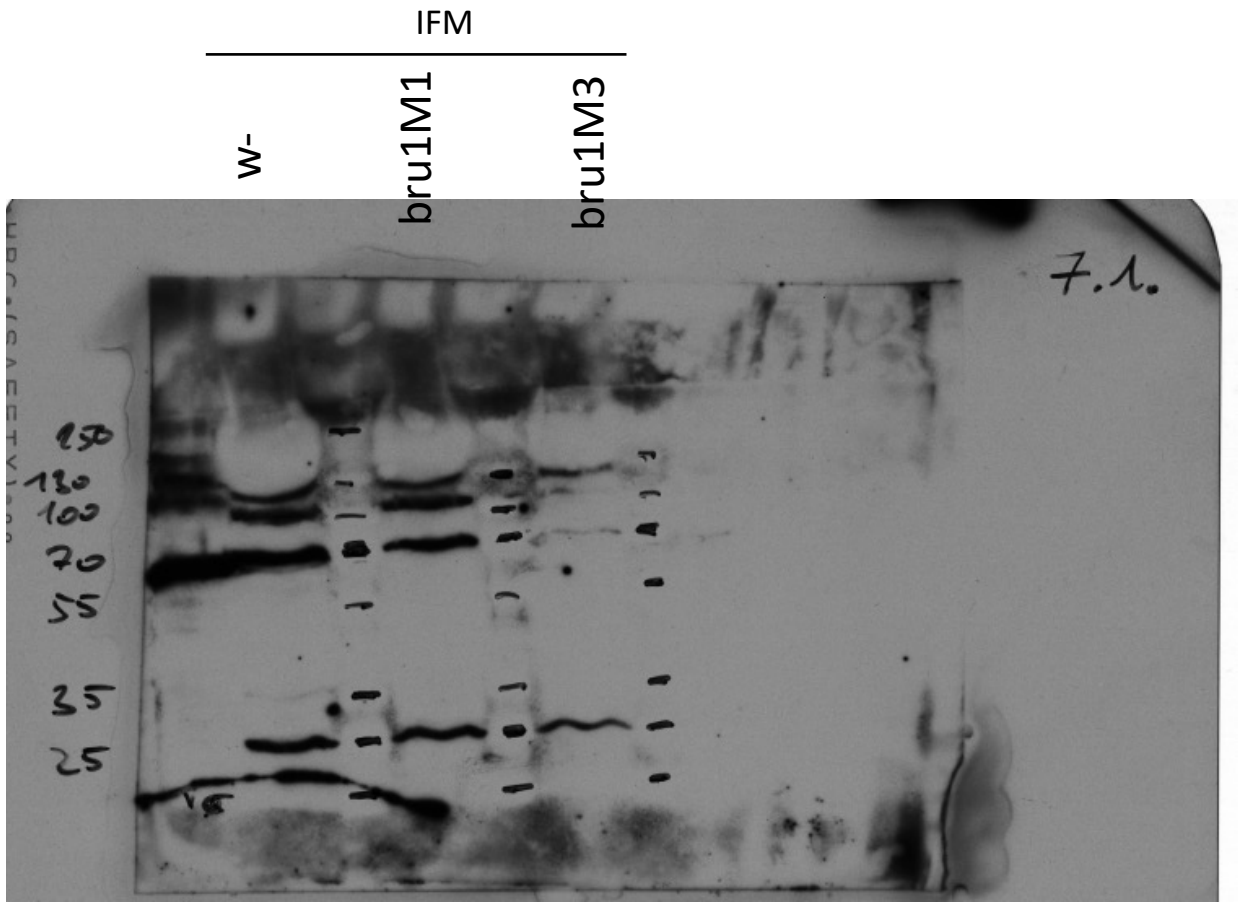
Bruno1 Western Blot

Anti-DIV antibody verification

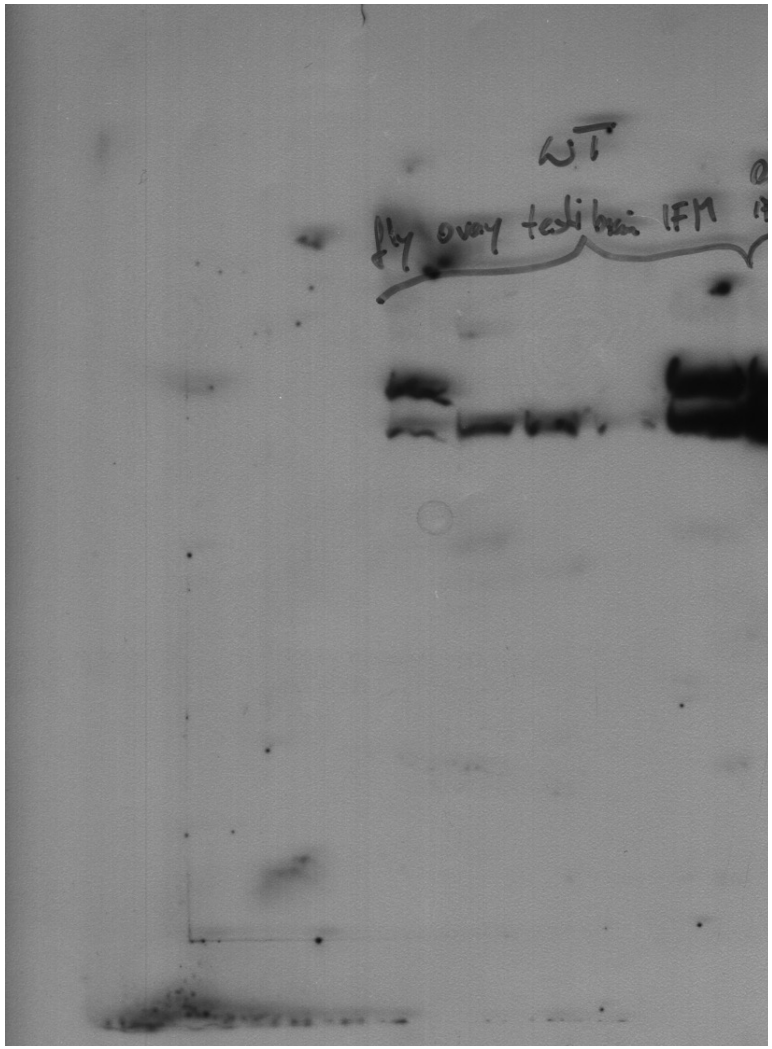
(rabbit polyclonal antibody raised against the divergent domain (DIV) of Bru1)

Bru1 in *bru1* mutant flies

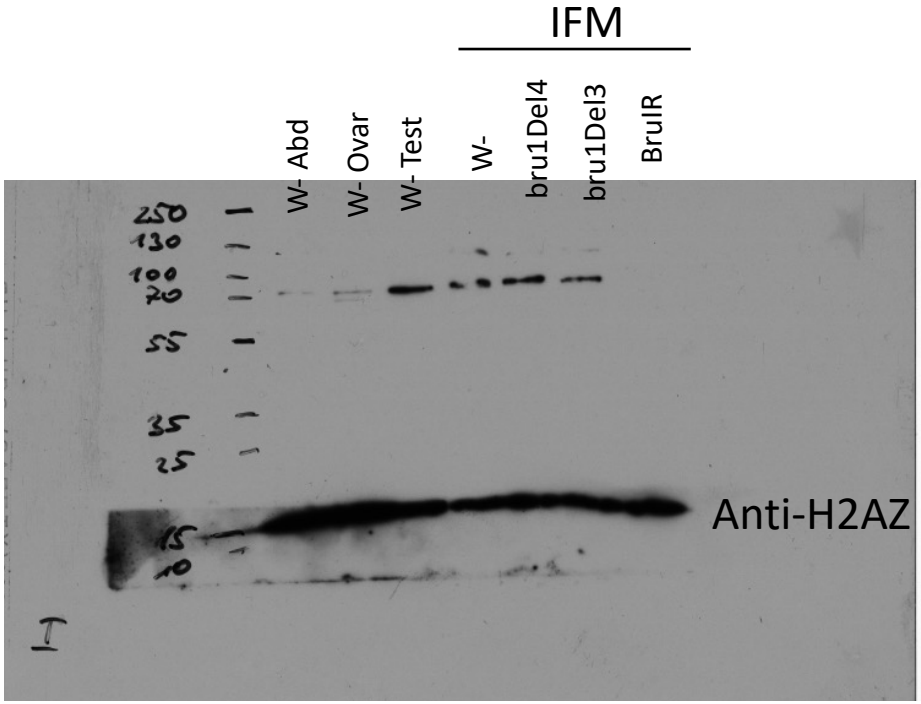


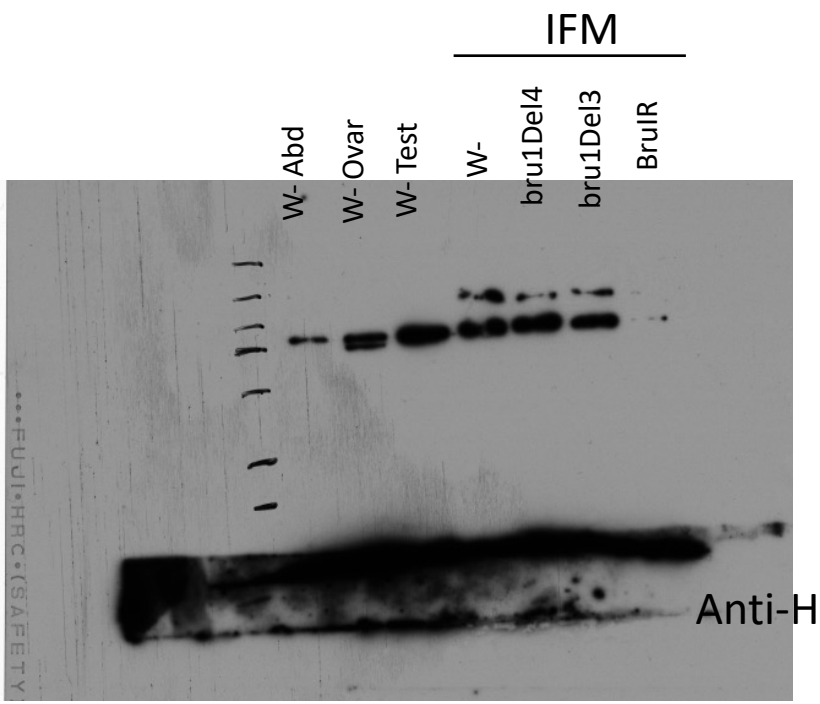
Blot: 200107_aDIV

Bru1 in wildtype tissues



Blot: 2021_11_09_aDIV


IFM
W- Abd
W- Ovar
W- Test
W-
bru1Del4
bru1Del3
BruIR
250
130
100
70
55
35
25
15
10
Anti-H2AZ


IFM
W- Abd
W- Ovar
W- Test
W-
bru1Del4
bru1Del3
BruIR
Anti-H2AZ

Blot: 201015

Bru1 in wildtype tissues

bru1Del2

bru1Del2 (line 1)

bru1Del2 (line 2)

bru1Del2 (line 3)

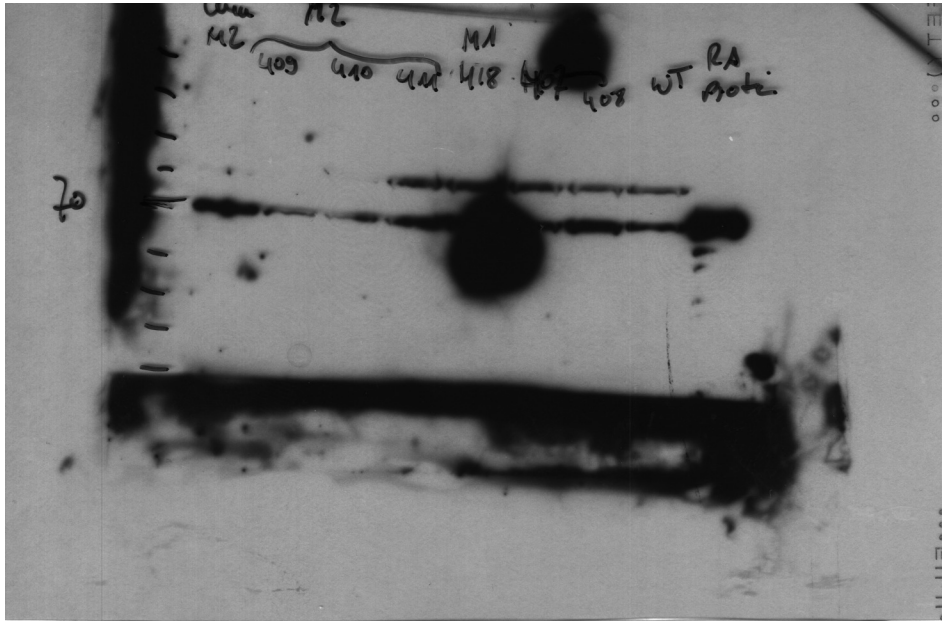
bru1Del1 (line 1)

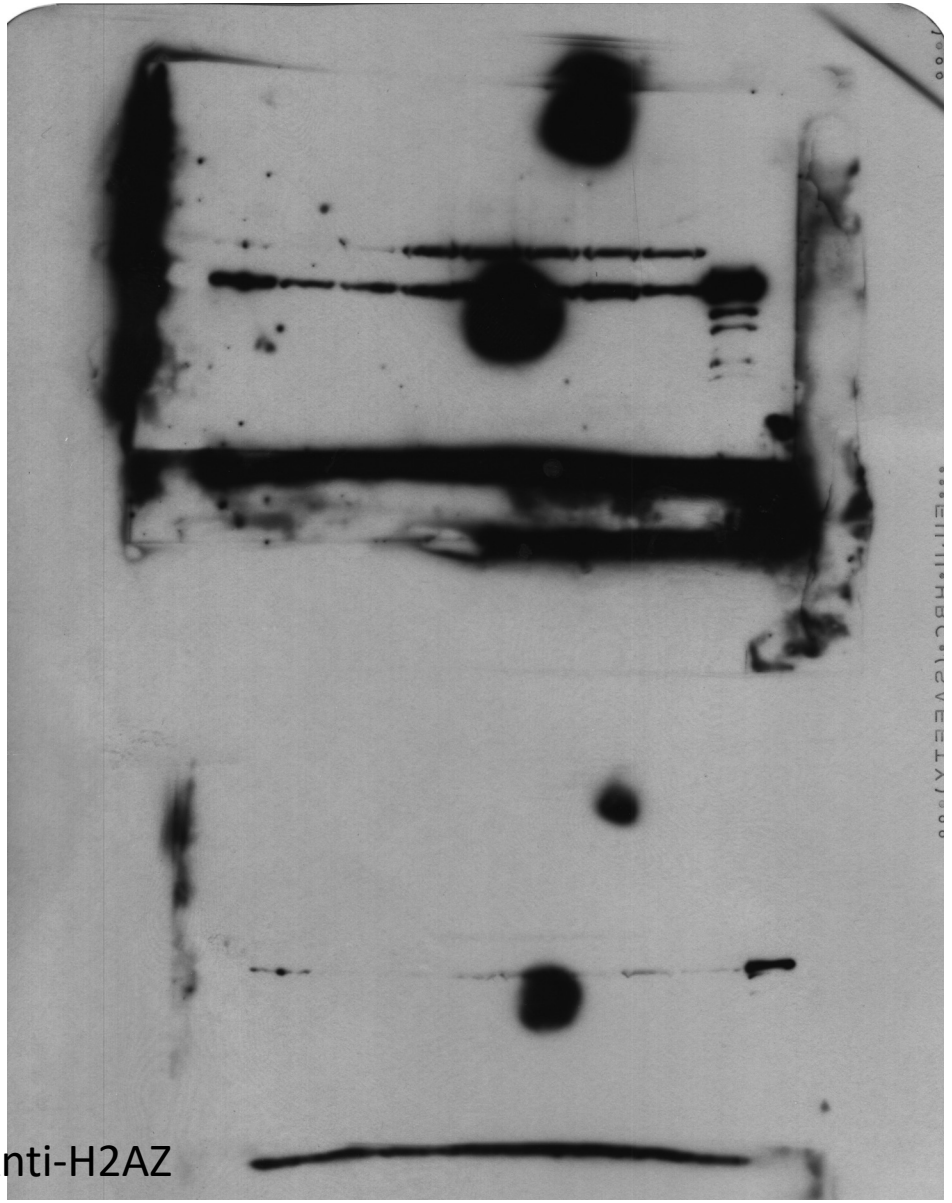
bru1Del3 (line 1)

bru1Del3 (line 2)

w1118

Purified Bru1-PA



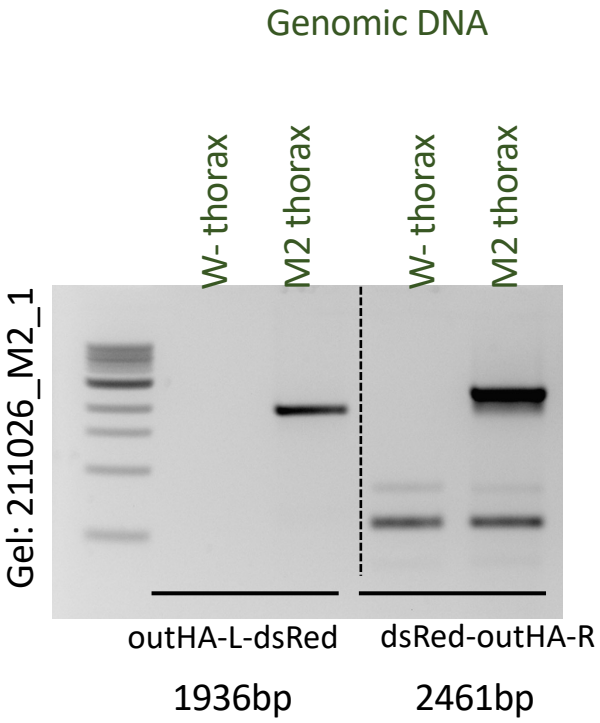


Anti-H2AZ

Blot: 2021_11_22_aDIV

Bruno1 Del2 verification

dsRed cassette



Out HA-L: gcacttgcagtttgcgataa

SV40_R: gactagttgatcataatcagcca

dsRed_F: ccacaaggccctgaagctga

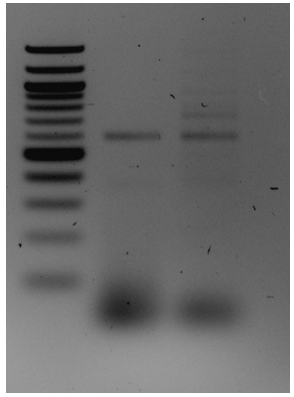
Out HA-R: GAATCTCGCCAGAACCAAGA

Anti-Bru1 (DIV domain)

Ex13_F: GGTACCCAAAAAGAGAAGGAGCA

Ex17_R: TTCAATCTGCTTTCCCGC

cDNA

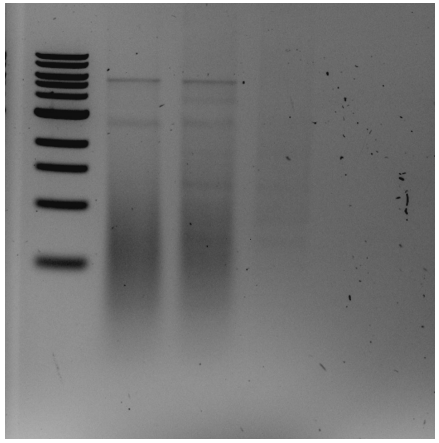


Ex13 – ex17: 588 bp

DIV domain

Gel:211007_bru1DIV

Genomic DNA

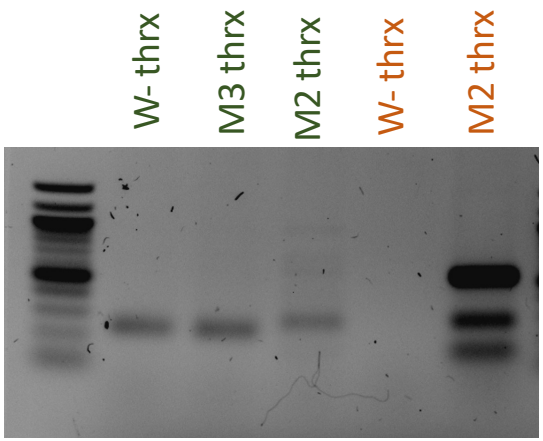


Ex13 – ex17: 5715 bp

Gel: 211012_gPCR_DIV

Ex13_F: GGTACCCAAAAAGAGAAGGAGCAG

Ex13_R: AACAACTGGTGCTGCAGT

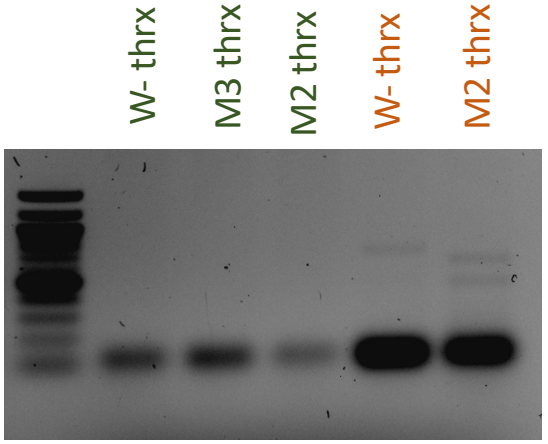


Ex13 :230 bp

Gel: 211012_gPCR_RT_DIV

Ex14_F: CCAGAATCTAGCGGCCATT

Ex14_R: CAGCCGTGTTGGTCAGTT



Ex14 :109 bp

Gel: 211012_gPCR_RT_DIV

cDNA

Genomic DNA

Ex12_F: TTTGAAGTCCACGGAGCC

Ex14_R: AGCCGTGTTGGTCAGTTGGG

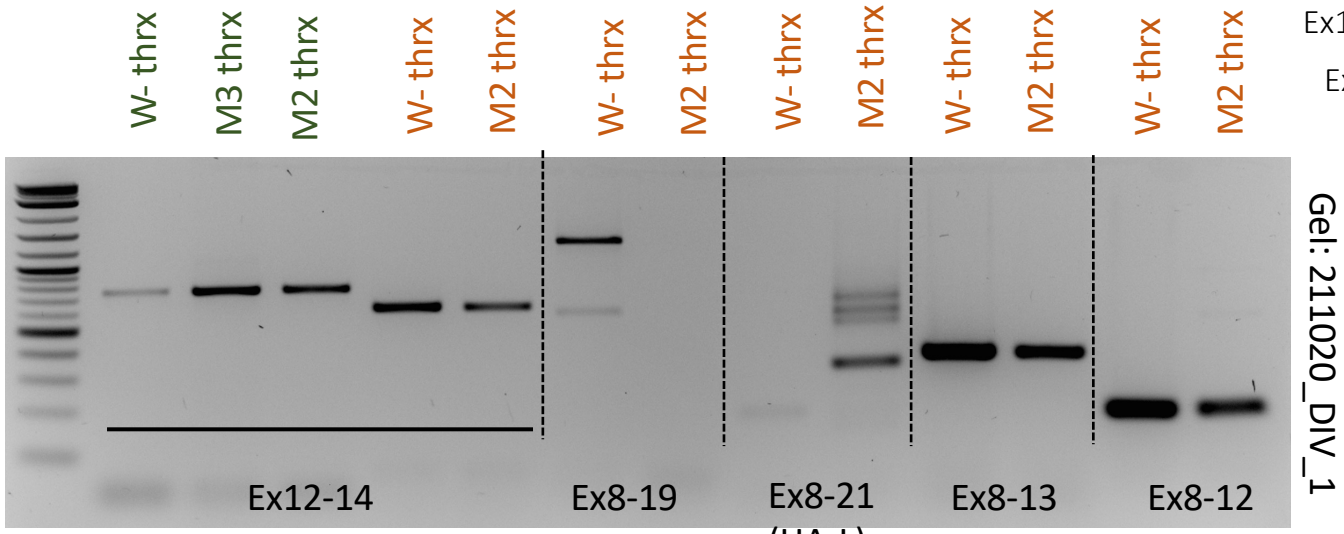
Ex8_F: ACGAGACACGCCGCCCTGAAAGC

Ex19_R: CCTCTACTCGATGTGTCCGTTTAACCTT

Ex21_R: TCAAGATGTGCAACGACAAATAGCC

Ex13_R: TTGCGTATCGGCGAACTTGACGACC

Ex12_R: TCCGTGGACTTCAAATAGCTTGCG



Expected length:
gDNA: 775
cDNA: 615

1260bp

2346bp

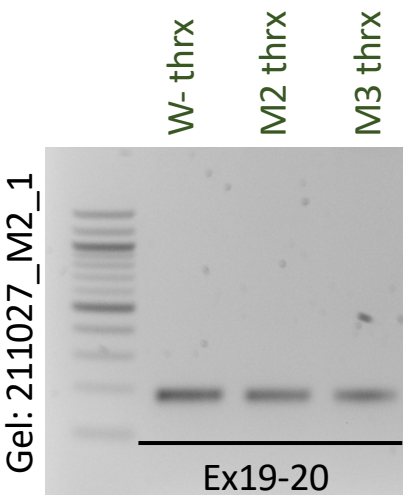
Seq: Ex12-14 on gDNA = no differences between wt and M2

cDNA

Genomic DNA

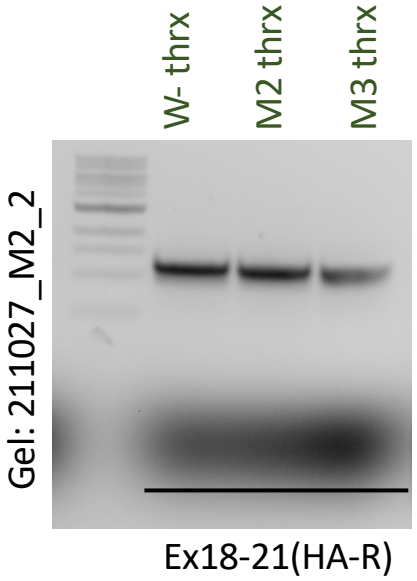
ex19_F: AAGGTTAAACGGACACATCGAGTAGAGG

Ex20_R: GGCACAGATTTCATGTCTTTTTCTGC



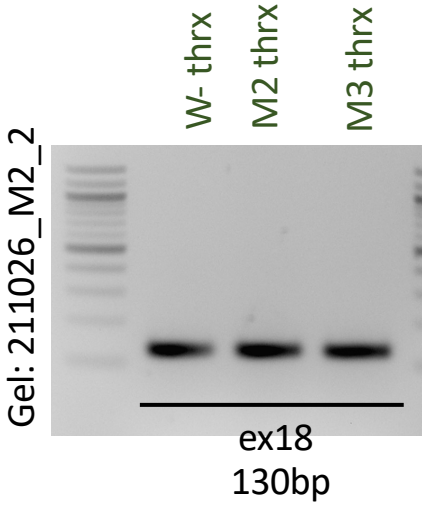
ex18_F:TGCTTCGGGTTTGTCTCCTTCGAC

Ex21_R: TCAAGATGTGCAACGACAAATAGCC



ex18_F:TGCTTCGGGTTTGTCTCCTTCGAC

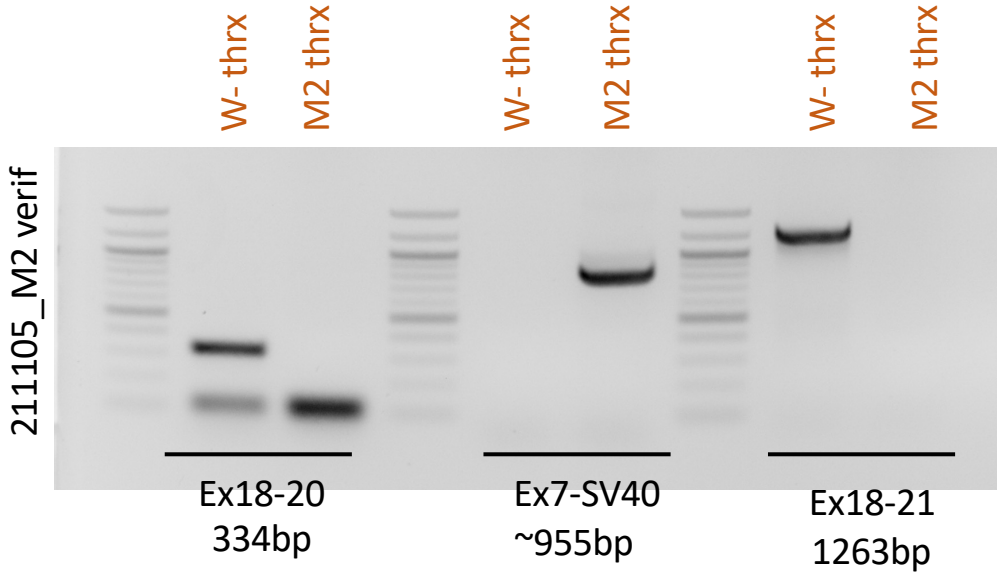
Ex18_R: AGTAGGGCTTCGAGTCCTTG



Seq: ex18-21= no changes in coding seq of RRM3

Genomic DNA

cDNA



ex18_F:TGCTTCGGGTTTGTCTCCTTCGAC

Ex20_R: GGCACAGATTTCATGTCTTTTTCTGC

Ex7_F: AGCCTGCCGAATAGTCCC

SV40_R: gactagttgatcataatcagcca

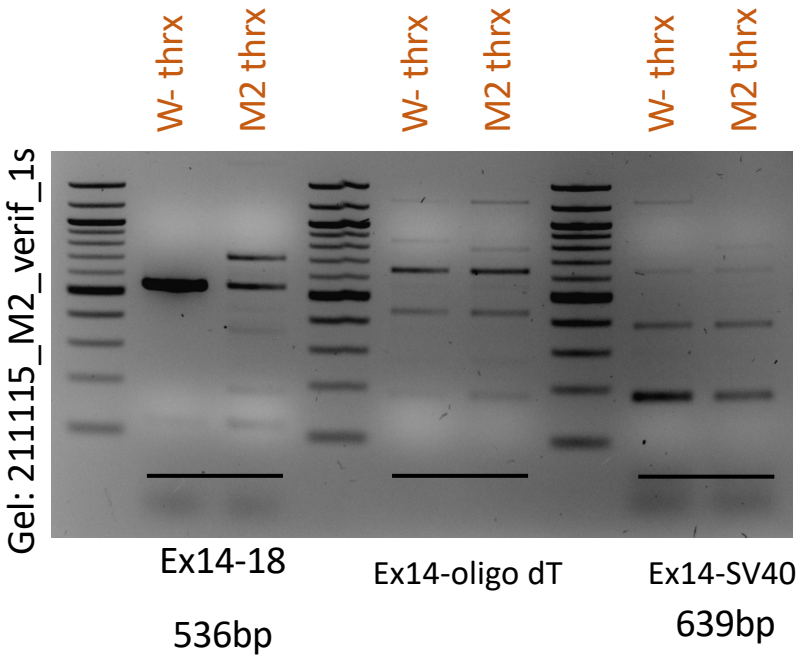
ex18_F:TGCTTCGGGTTTGTCTCCTTCGAC

Ex21_R: TCAAGATGTGCAACGACAAATAGCC

RP49: GGTATCgacaacagagtgcg

RP49: GAACTTCTTGAATCCGGTGGG

cDNA



Ex14_F: CCAGAATCTAGCGGCCATT

Ex18_R: AGTAGGGCTTCGAGTCCTTG

Oligo_dT: TTTTTTTTTTTTTTTT

SV40_R: gactagttgatcataatcagcca