Paracrine regulation of neural crest EMT by placodal MMP28

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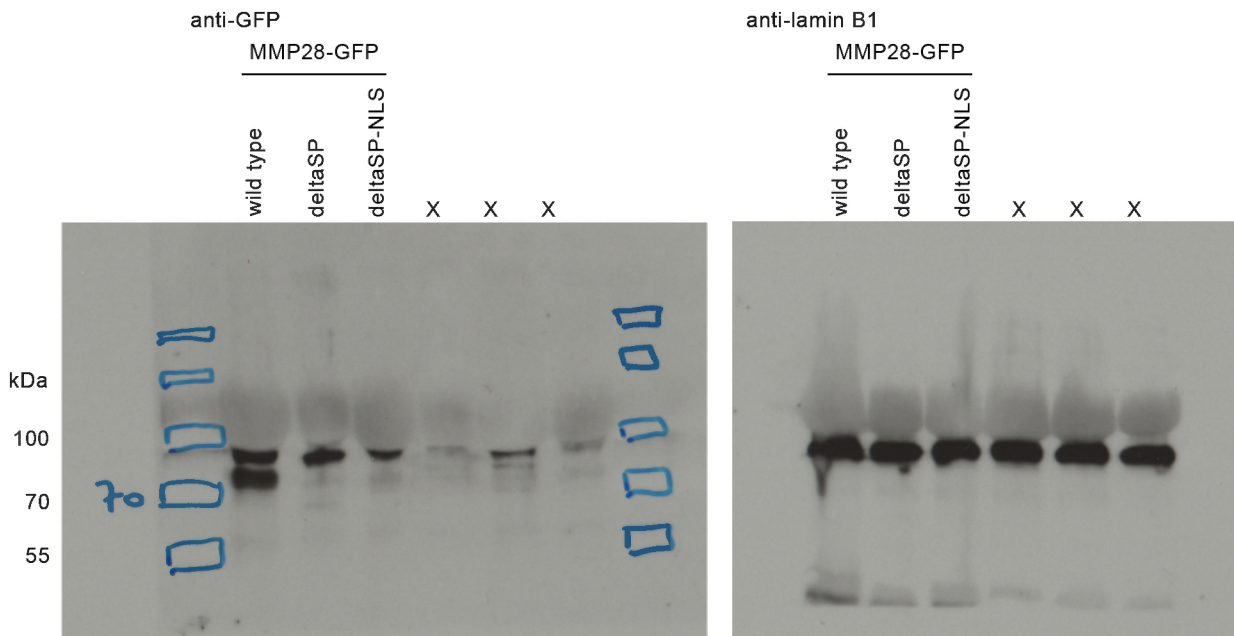Corresponding author: eric.theveneau@univ-tlse3.fr

FIGURE 1g
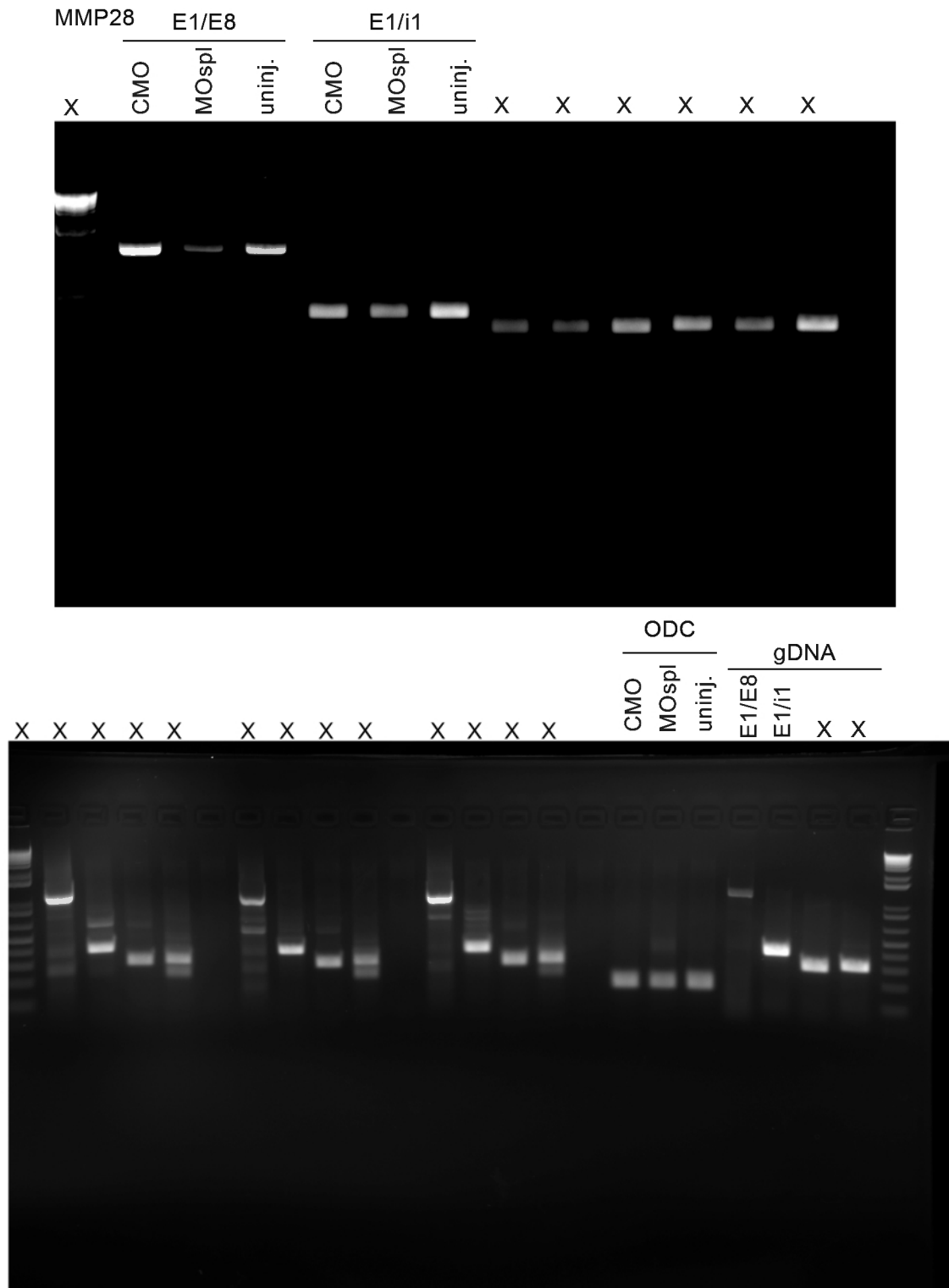
Images acquired on gel imager ChemiDoc XRS+ from Biorad

Note: to generate the blank gDNA E1/E8 panel on Figure 1g an empty part of the lane, close to the well, was cropped as the expected size of such fragment from genomic DNA is around 40 000 bp and cannot be amplified via regular PCR. Also note that a non-specific band appears at circa 1000bp.
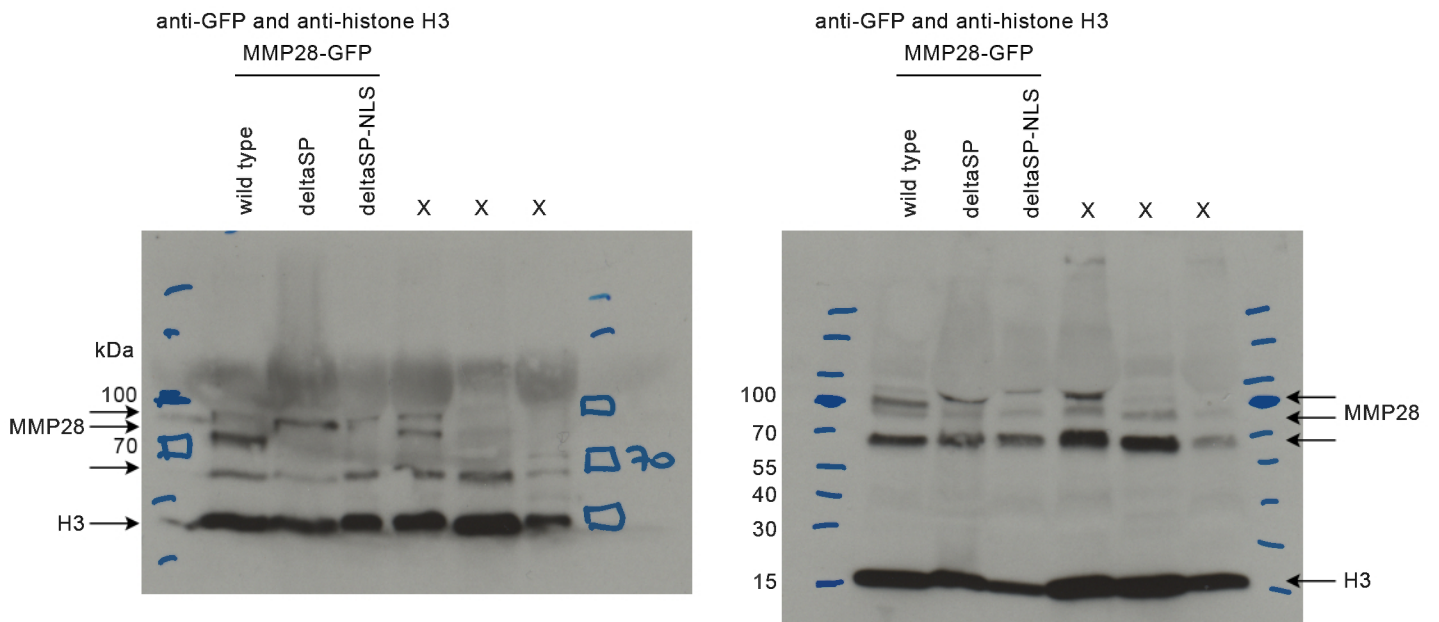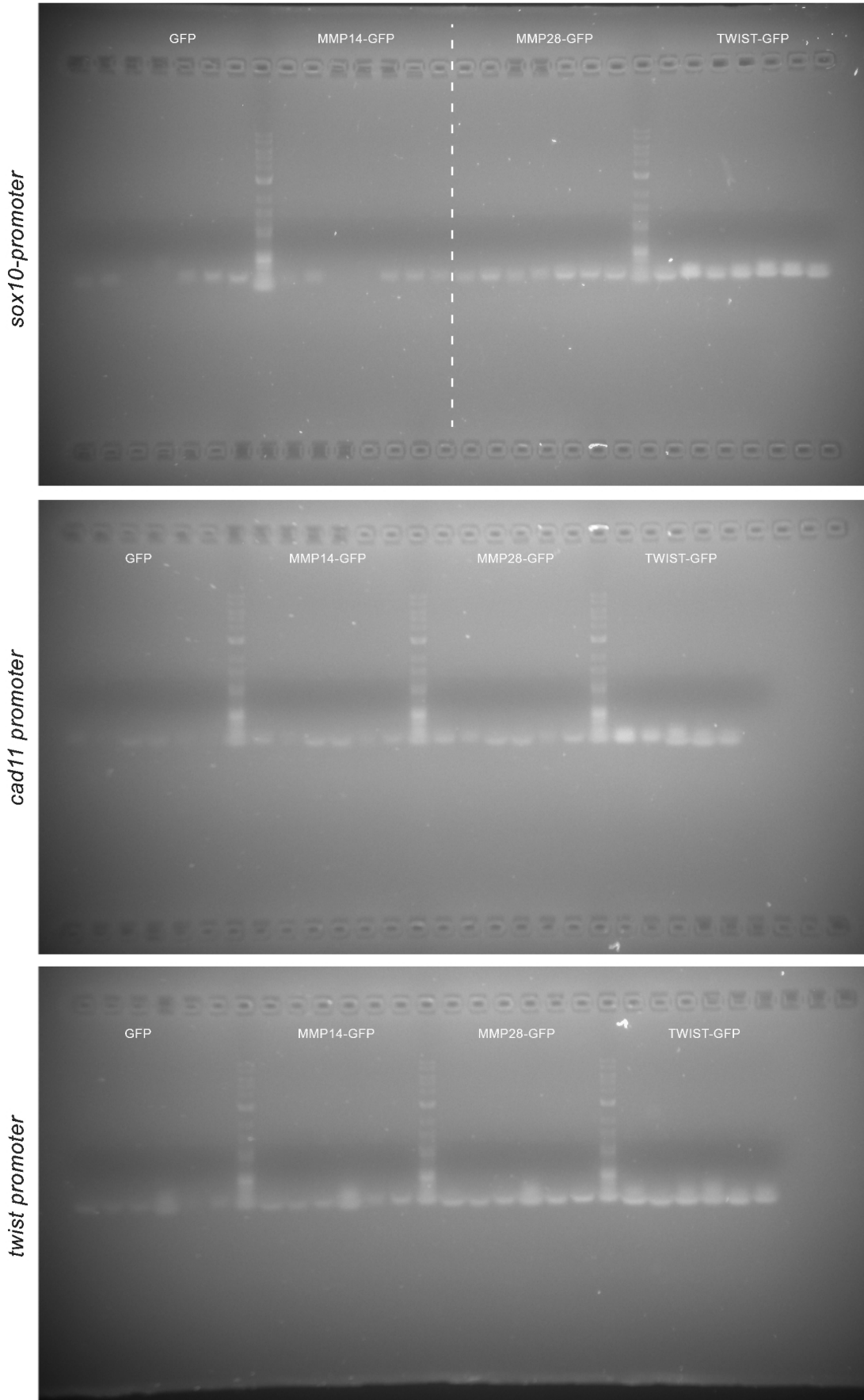
FIGURE 4

anti-GFP MMP28-GFP

b

nucleus

molecular weight | cytoplasm | membrane | soluble fraction | chromatin-bound | cytoskeleton | molecular weight

kDa
170
130
100
70
55
40

anti-GFP   uninjected   MMP28-GFP

c

Nucleus   Nucleus
cytoplasm   cytoplasm   X X X X

MW

kDa
170
130
100
70
55
40

anti-tubulin   uninjected   MMP28-GFP

d

Nucleus   Nucleus
cytoplasm   cytoplasm   X X X X

MW

kDa
170
130
100
70
55
40

Images acquired on ChemiDoc XRS+ from Biorad.

Supporting Figure 8

panel a

anti-GFP
MMP28-GFP

wild type | deltaSP | deltaSP-NLS | X | X | X

kDa
100
70
55

anti-lamin B1
MMP28-GFP

wild type | deltaSP | deltaSP-NLS | X | X | X

panel b

anti-GFP and anti-histone H3
MMP28-GFP

wild type | deltaSP | deltaSP-NLS | X | X | X

kDa
100
MMP28 →
70

H3 →

anti-GFP and anti-histone H3
MMP28-GFP

wild type | deltaSP | deltaSP-NLS | X | X | X

100
70
55
40
30

15

← MMP28

← H3

Blots were developped on film and digitalized using a high resolution scanner

Supporting Figure 9

panel a

For all conditions loading order of PCR product is from proximal to distal sites.
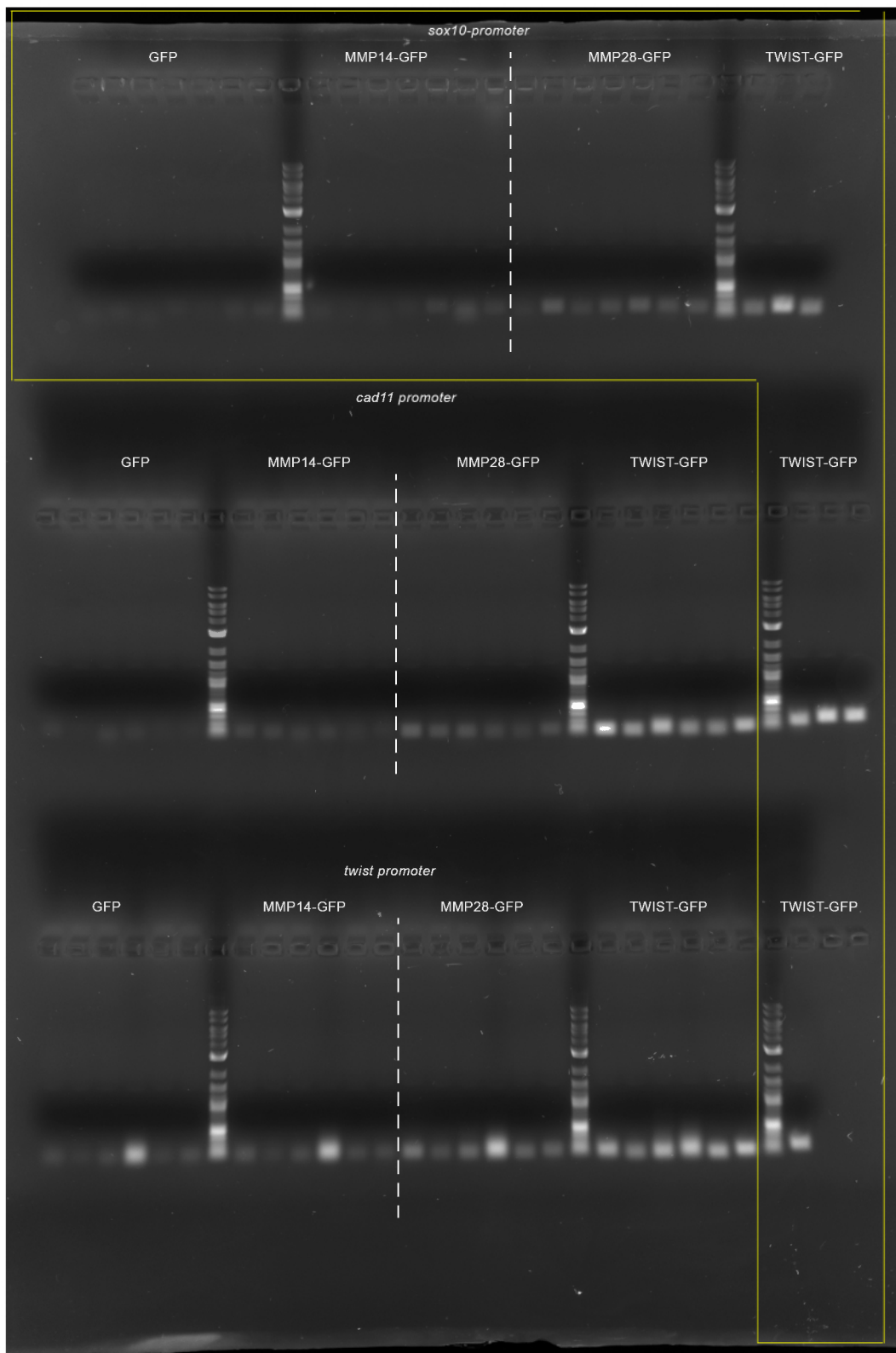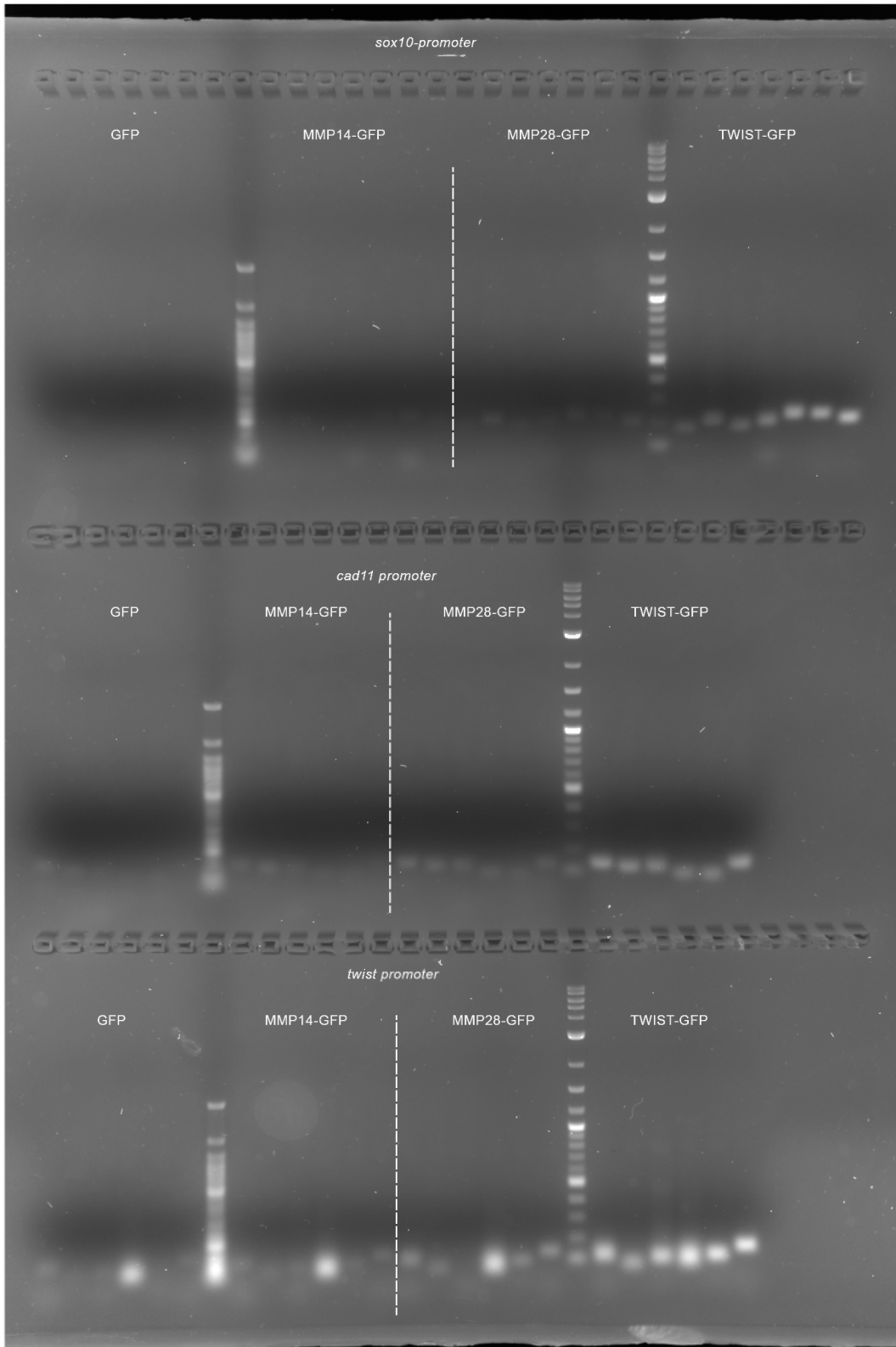Only the 3 most proximal sites were used in the analysis

The gel is stained with XpertGreen according to manufacture protocol. Samples are mixed with 6x loading Orange-G.
Imaged in Auto mode in a BioRad GelDoc Imaging System

panel b

For all conditions loading order of PCR product is from proximal to distal sites.
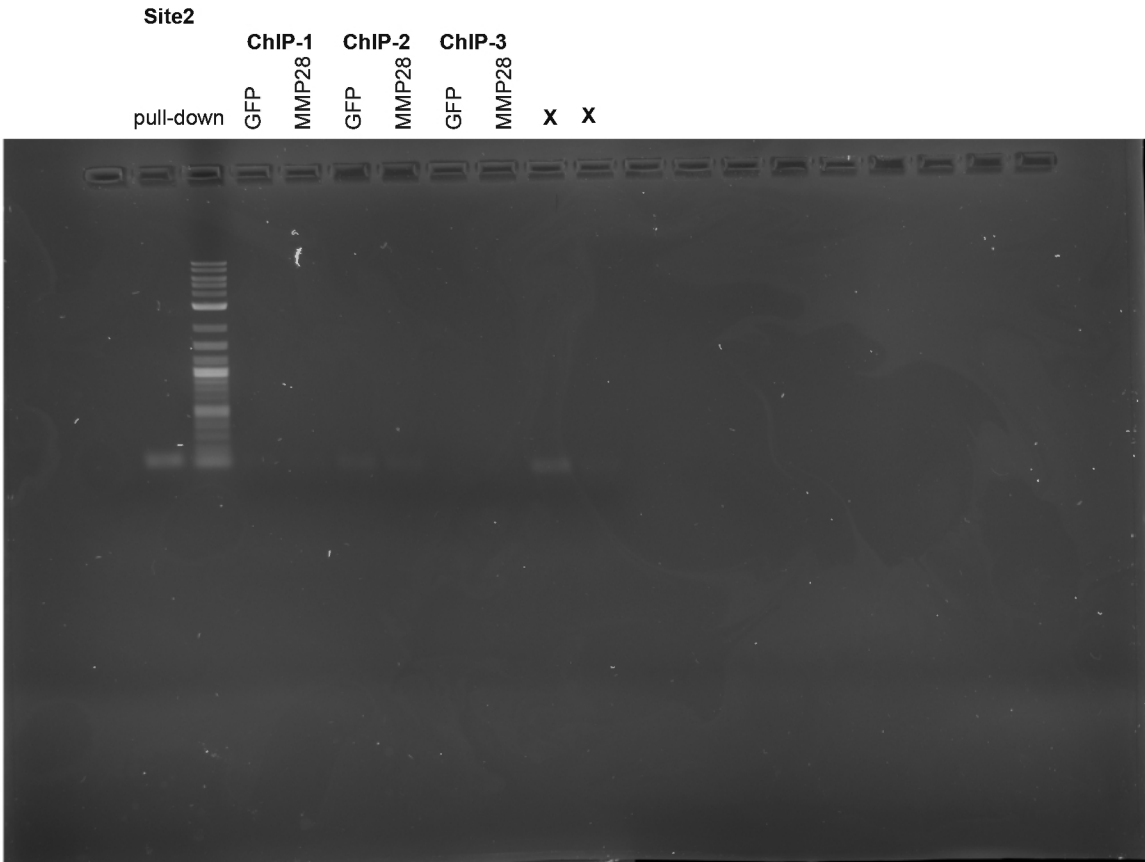Only the 3 most proximal sites were used in the analysis

The gel is stained with XpertGreen according to manufacture protocol. Samples are mixed with 6x loading Orange-G.
Imaged in Auto mode in a BioRad GelDoc Imaging System

panel c

For all conditions loading order of PCR product is from proximal to distal sites.
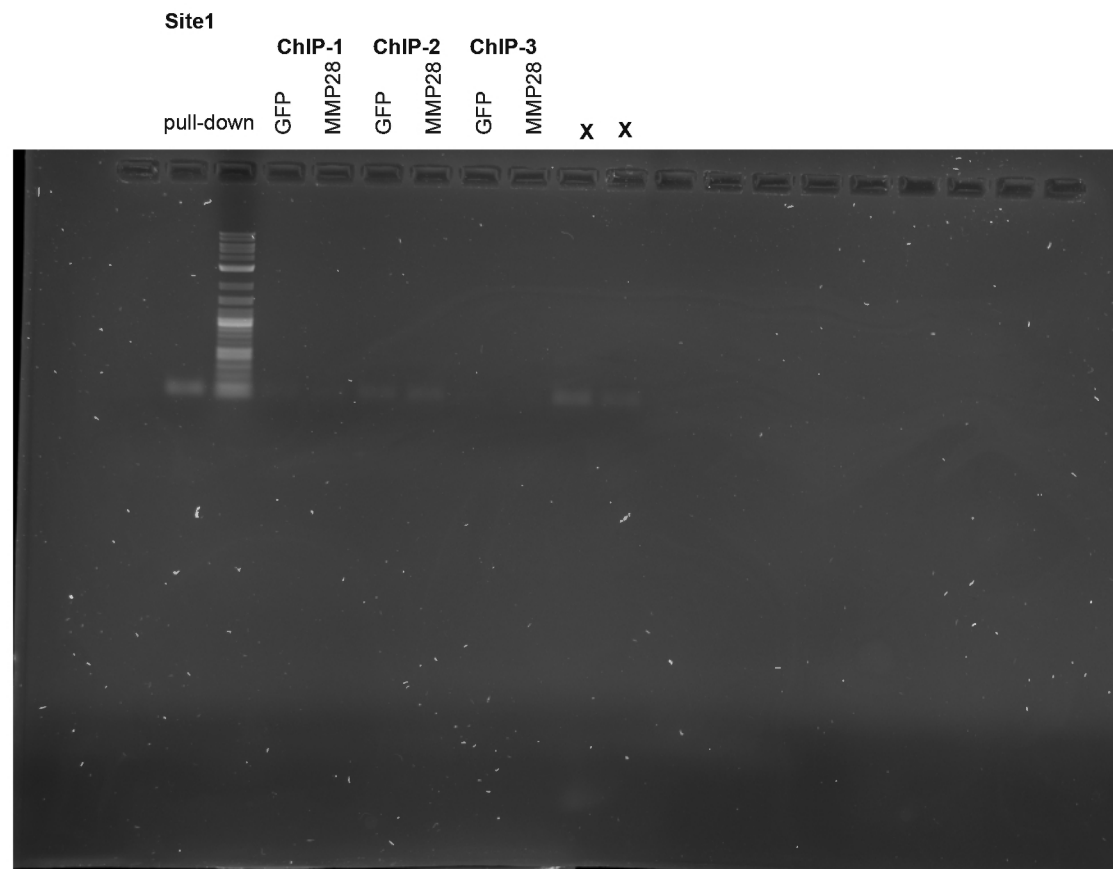Only the 3 most proximal sites were used in the analysis

The gel is stained with XpertGreen according to manufacture protocol. Samples are mixed with 6x loading Orange-G. imaged in Auto mode in a BioRad GelDoc Imaging System

Supporting Figure 12

panel a

E-cadherin promoter domains
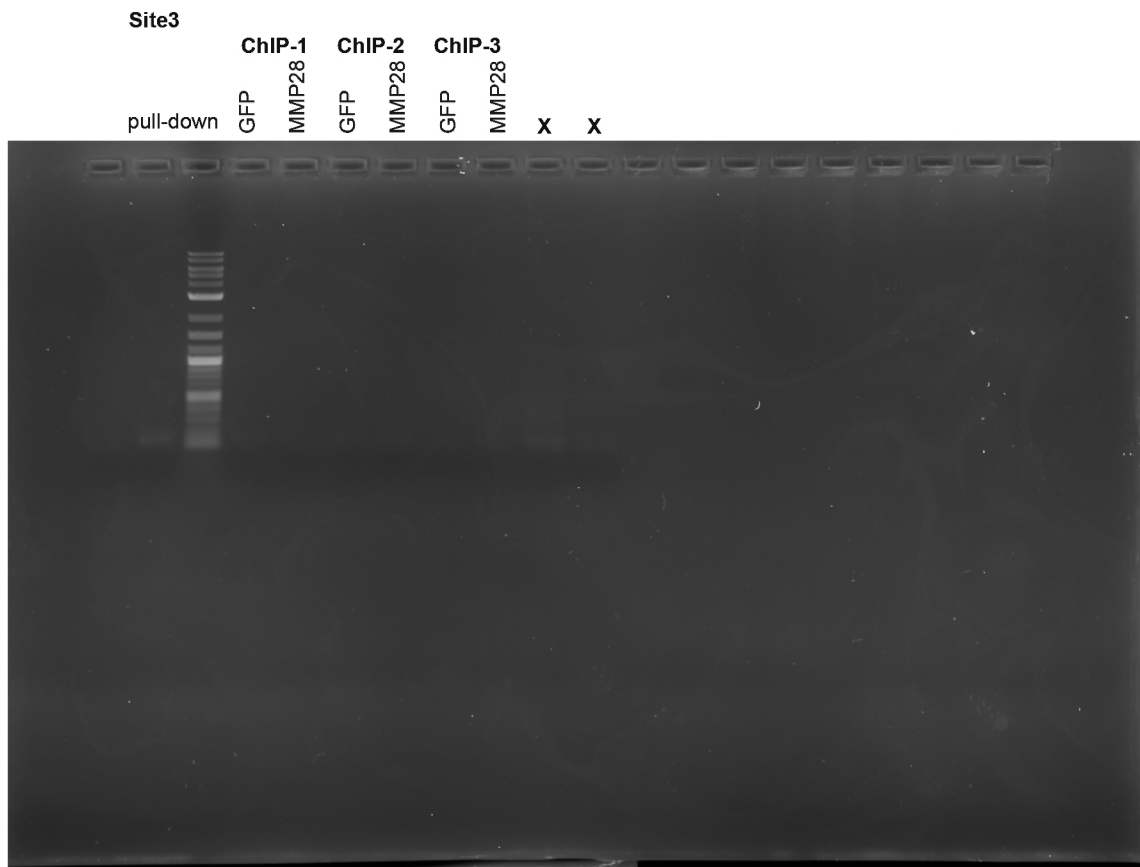

Site1

Site2

The gel is stained with XpertGreen according to manufacture protocol. Samples are mixed with 6x loading Orange-G. Imaged in Auto mode in a BioRad GelDoc Imaging System

Supporting Figure 12 (continued)

panel a

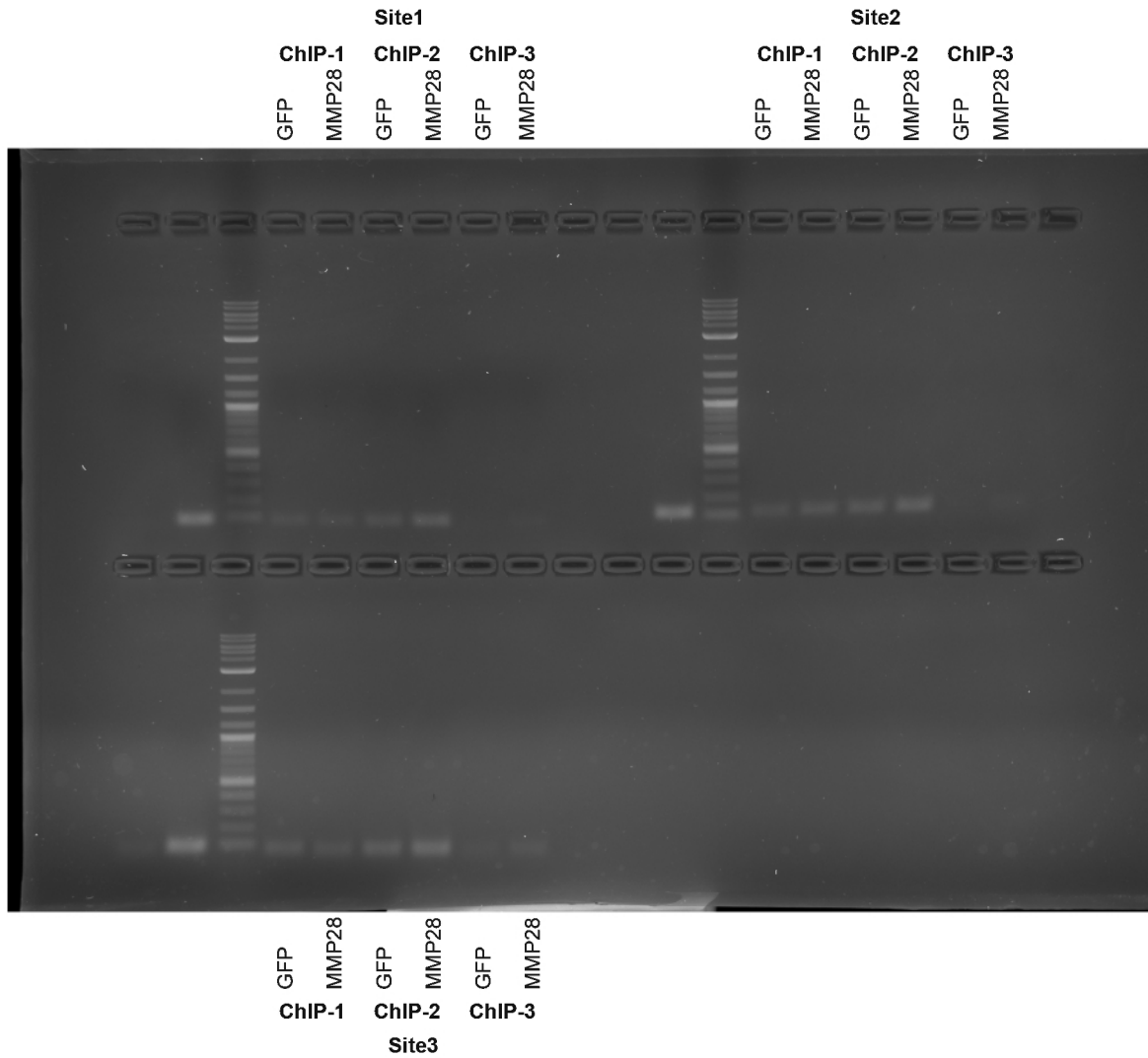**E-cadherin promoter domains**

The gel is stained with XpertGreen according to manufacture protocol. Samples are mixed with 6x loading Orange-G. Imaged in Auto mode in a BioRad GelDoc Imaging System

Supporting Figure 12 (continued)

panel b

Twist promoter domains

The gel is stained with XpertGreen according to manufacture protocol. Samples are mixed with 6x loading Orange-G. Imaged in Auto mode in a BioRad GelDoc Imaging System