
Supplementary information

**Dietary palmitic acid promotes a
prometastatic memory via Schwann cells**

In the format provided by the
authors and unedited

Western Blot and Image processing:

VDH-15 and SCC-25 pLKO.1 (untreated and PA-treated) samples for WB were run in parallel at 4D and 14D time point to assess the expression of COMPASS family members of interest. Two gels were run per time point: the expression of Set1A protein and the Hsp90 loading control protein were assessed from the same gel; while Set1B, MLL1 and MLL2 protein expression were assessed in another gel. Molecular weight ladders (Precision Plus Protein Dual Color Standards - Bio Rad) were loaded in all gels together with samples of interest for each of the corresponding time points (4 Days and 14 Days).

Upon blot exposure, resulting raw data images were cropped for figure mounting as follows: Set1A, Set1B, MLL1, MLL2 and Hsp90 protein bands were cropped separately resulting in one cropped image for each protein and time point. Each cropped image contained the protein bands of interest corresponding to both VDH-15 (left samples) and SCC-25 (right samples) untreated and PA-treated conditions. Upon individual cropping of the hereby listed protein bands, the resulting cropped images were assembled from top-to-bottom in order of descending molecular weight as follows: Set1A, Set1B, MLL1, MLL2 and Hsp90, for both time points of interest.

4 Days COMPASS Proteins WB

Molecular Weight Ladder: Precision Plus Protein Dual Colour Standards

Gel 1

Gel 2

VDH-15

SCC-25

250 KD

150 KD

100 KD

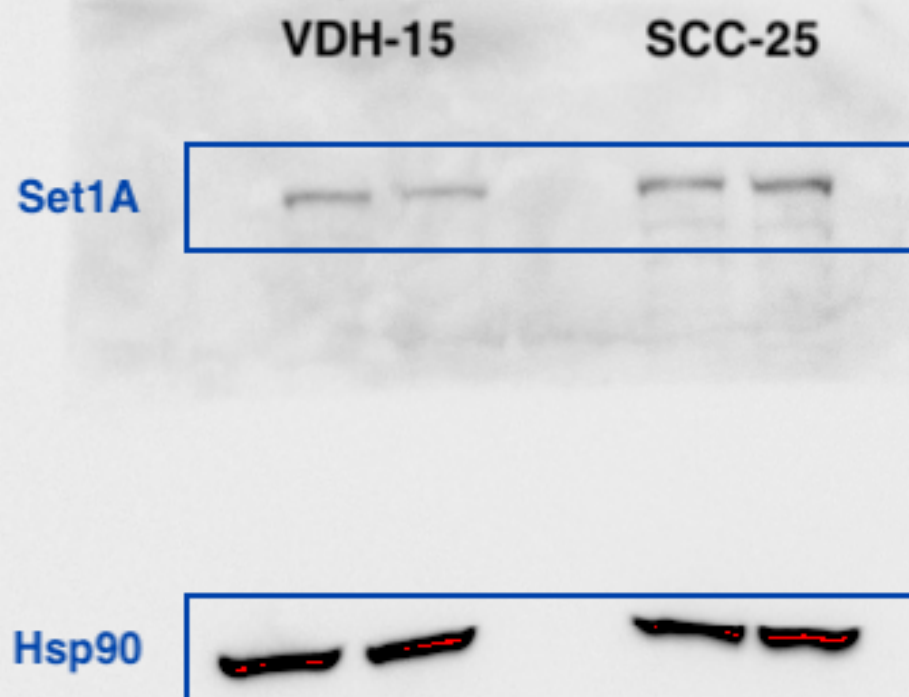
VDH-15

SCC-25

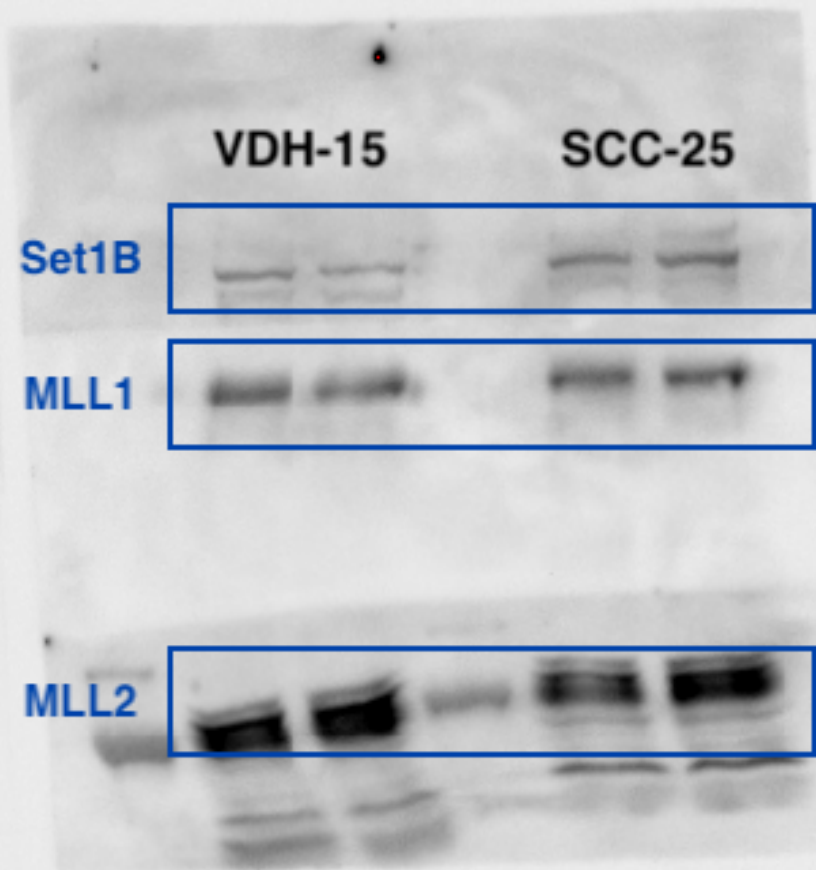


4 Days COMPASS Proteins WB

Gel 1

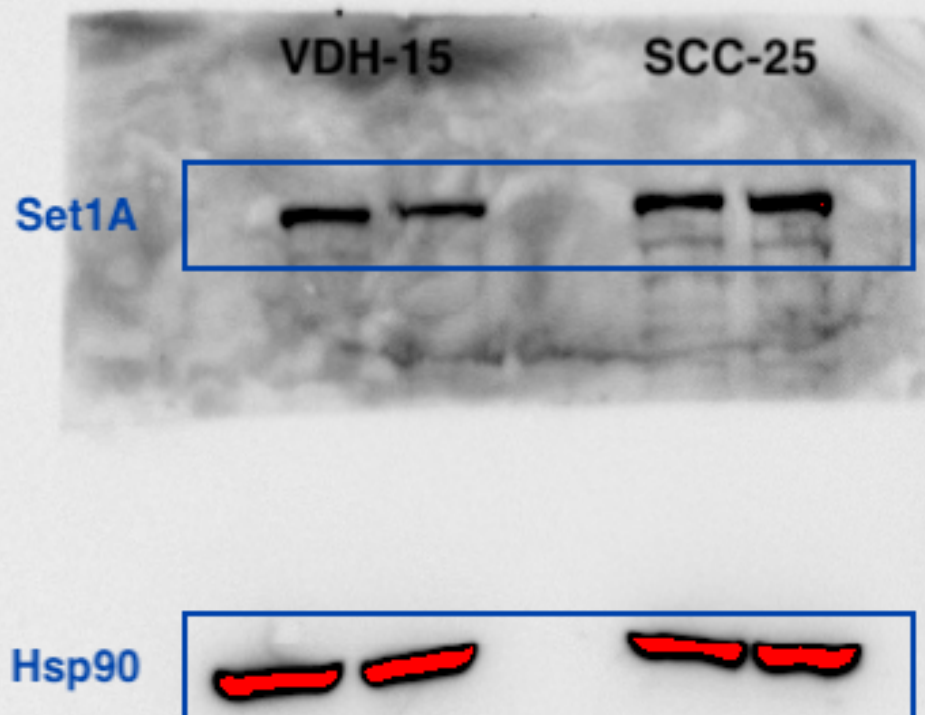


Gel 2

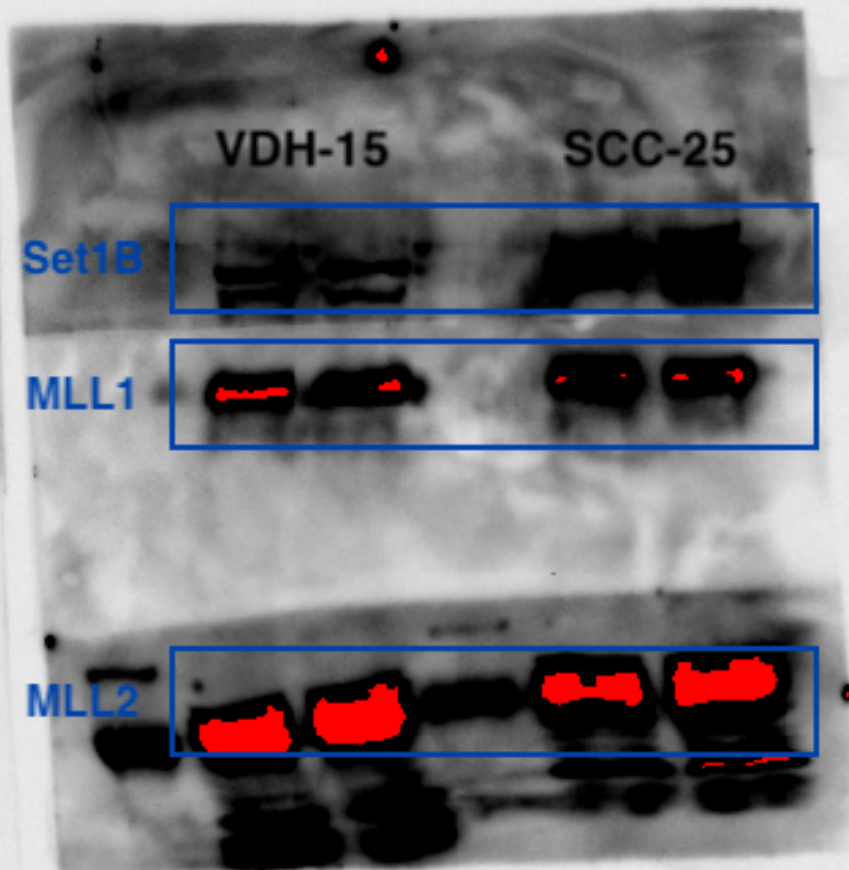


4 Days COMPASS Proteins WB

Gel 1



Gel 2



4 Days COMPASS Proteins WB

Gel 1

VDH-15

SCC-25

Set1A

Hsp90

Gel 2

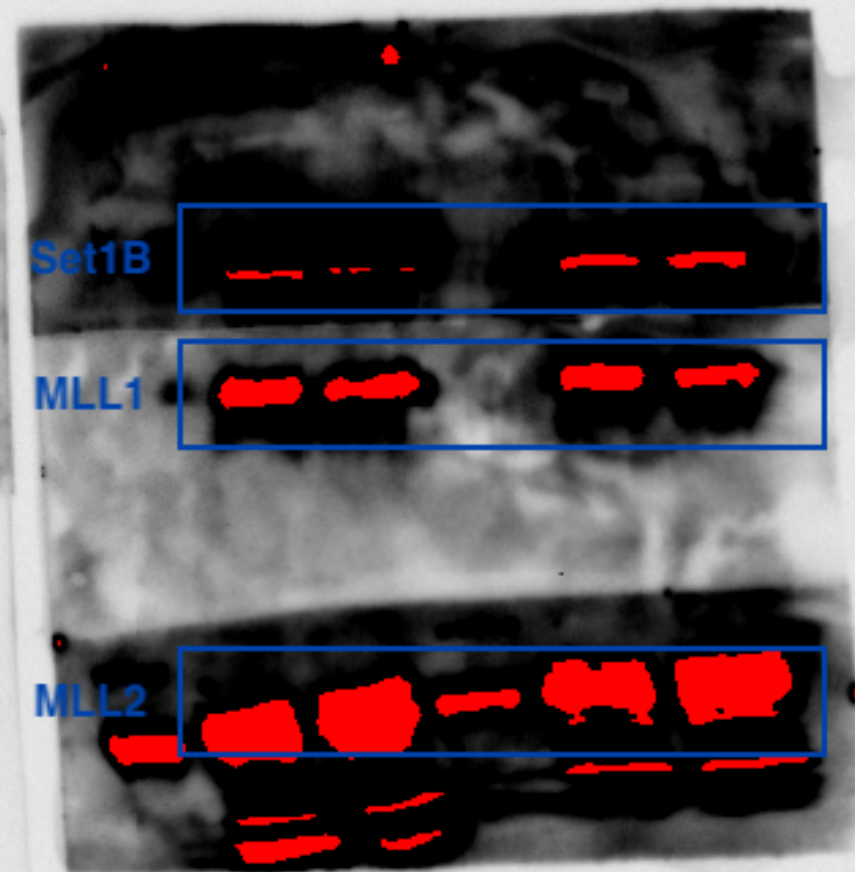
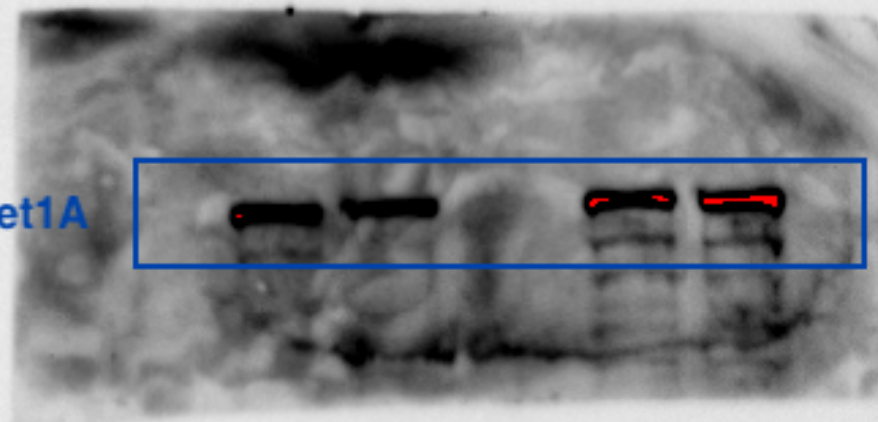
VDH-15

SCC-25

Set1B

MLL1

MLL2



14 Days COMPASS Proteins WB

Molecular Weight Ladder: Precision Plus Protein Dual Colour Standards

Gel 1

Gel 2

VDH-15

SCC-25

VDH-15

SCC-25

250 KD

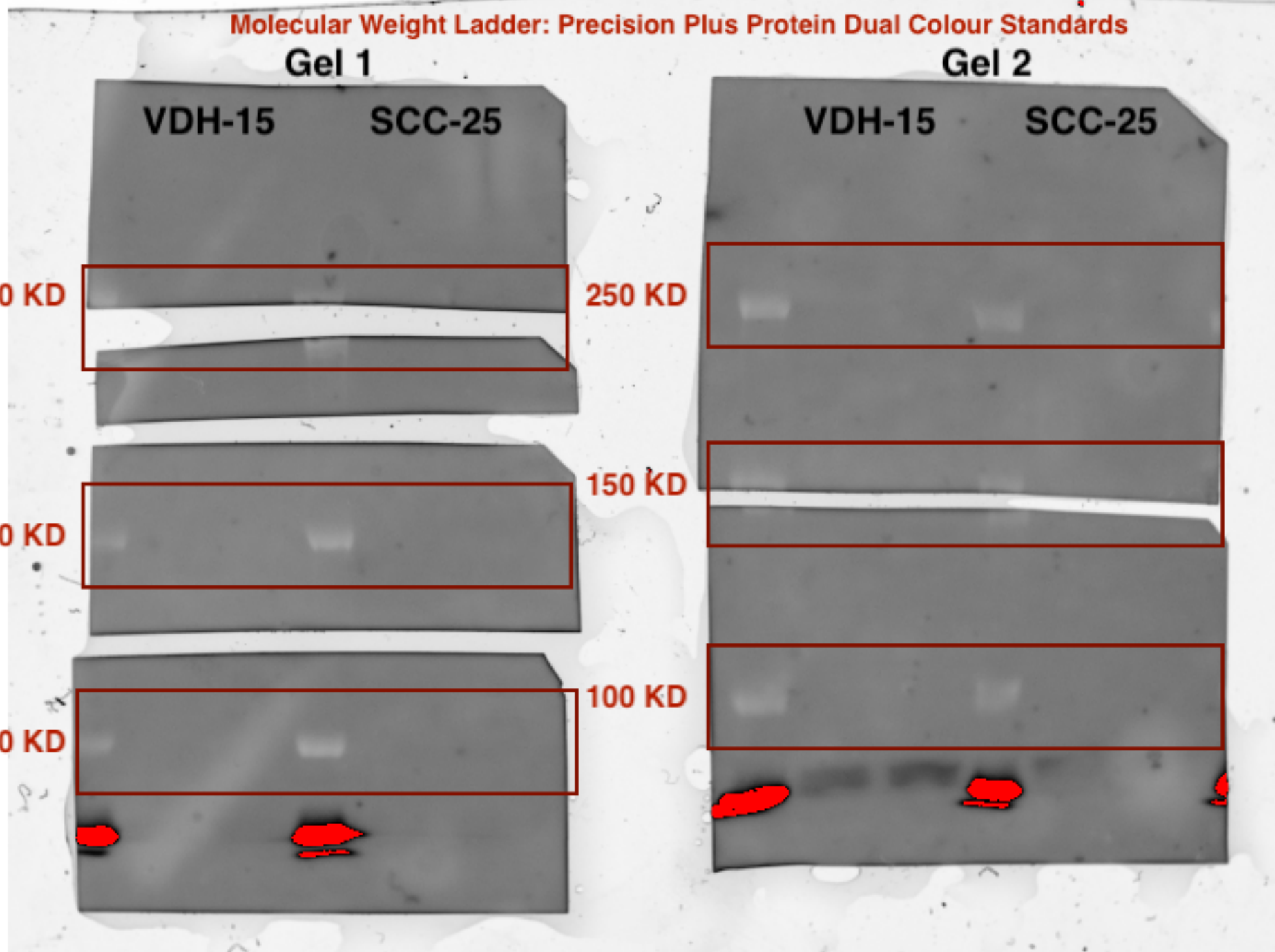
250 KD

150 KD

150 KD

100 KD

100 KD



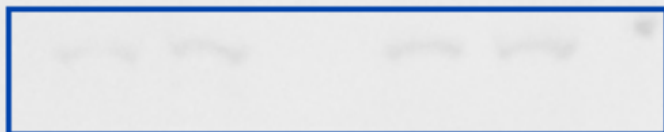
14 Days COMPASS Proteins WB

Gel 1

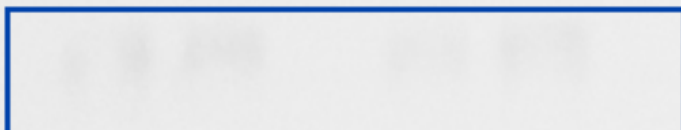
VDH-15

SCC-25

Set1B



MLL1



MLL2

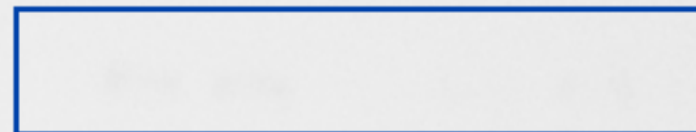


Gel 2

VDH-15

SCC-25

Set1A



Hsp90



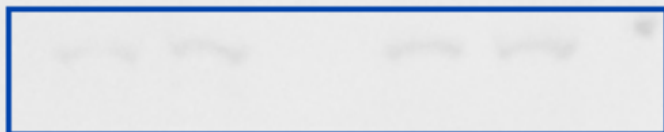
14 Days COMPASS Proteins WB

Gel 1

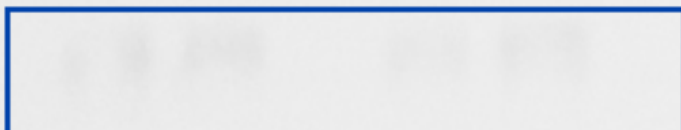
VDH-15

SCC-25

Set1B



MLL1



MLL2

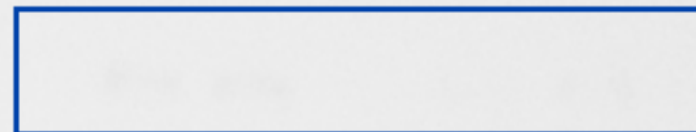


Gel 2

VDH-15

SCC-25

Set1A



Hsp90



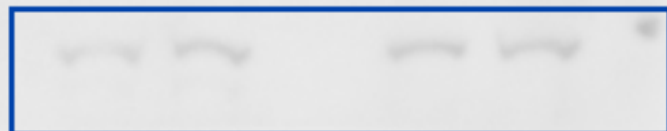
14 Days COMPASS Proteins WB

Gel 1

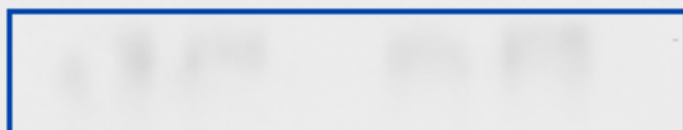
VDH-15

SCC-25

Set1B



MLL1



MLL2

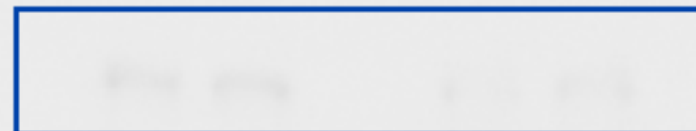


Gel 2

VDH-15

SCC-25

Set1A



Hsp90



14 Days COMPASS Proteins WB

Gel 1

VDH-15

SCC-25

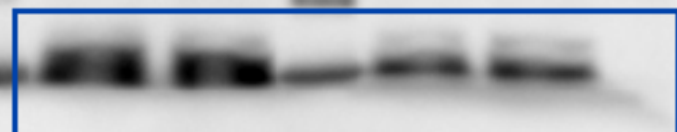
Set1B



MLL1



MLL2

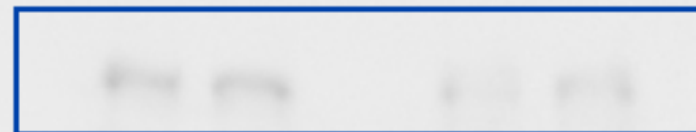


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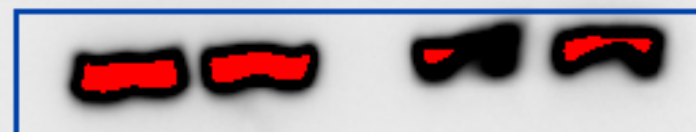
VDH-15

SCC-25

Set1A



Hsp90



14 Days COMPASS Proteins WB

Gel 1

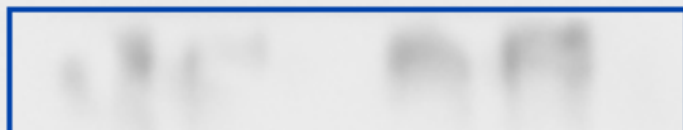
VDH-15

SCC-25

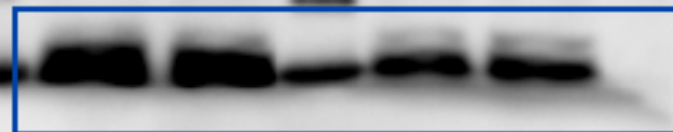
Set1B



MLL1



MLL2

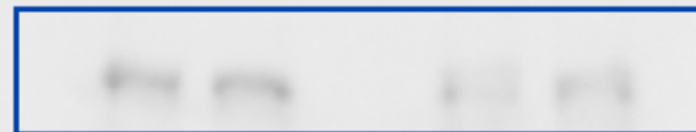


Gel 2

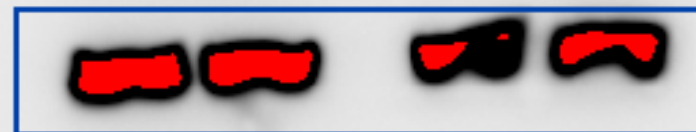
VDH-15

SCC-25

Set1A



Hsp90



14 Days COMPASS Proteins WB

Gel 1

VDH-15

SCC-25

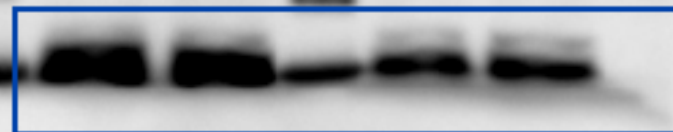
Set1B



MLL1



MLL2

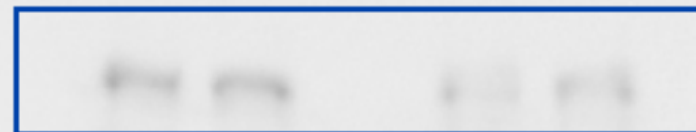


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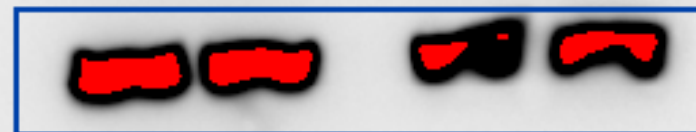
VDH-15

SCC-25

Set1A



Hsp90



14 Days COMPASS Proteins WB

Gel 1

VDH-15

SCC-25

Set1B



MLL1



MLL2

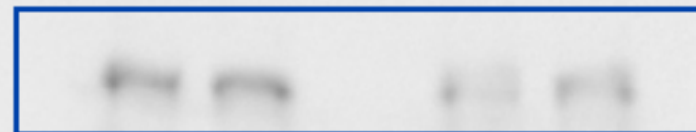


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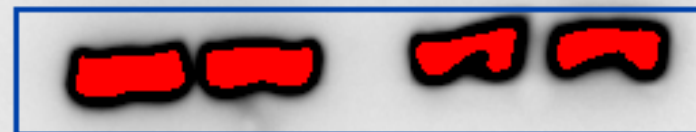
VDH-15

SCC-25

Set1A



Hsp90



14 Days COMPASS Proteins WB

Gel 1

VDH-15

SCC-25

Set1B

MLL1

MLL2

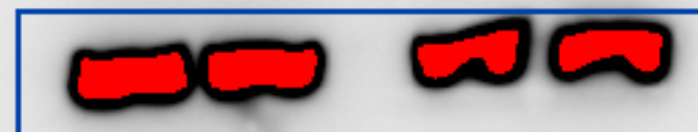
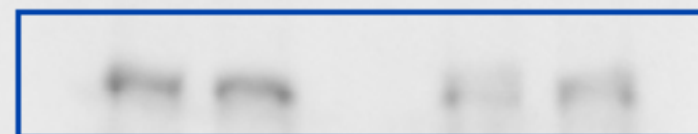
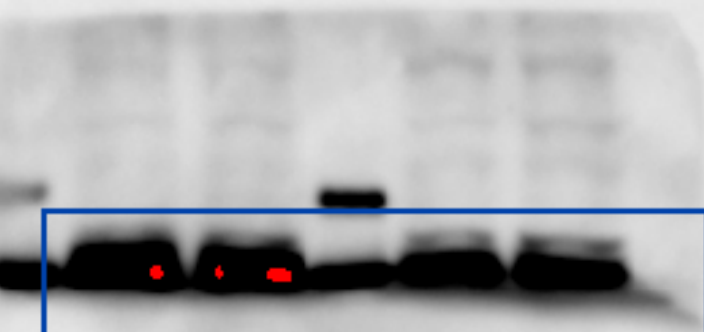
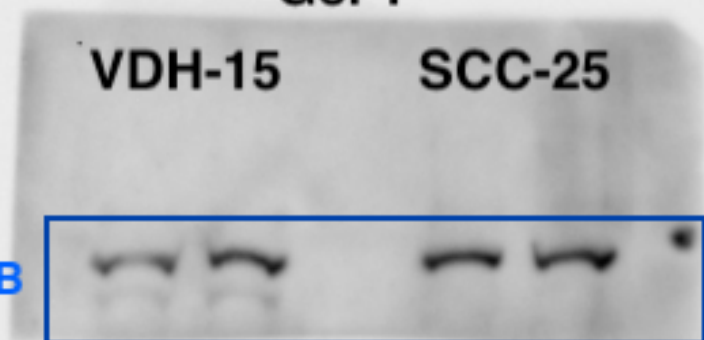
Gel 2

VDH-15

SCC-25

Set1A

Hsp90



14 Days COMPASS Proteins WB

Gel 1

VDH-15

SCC-25

Set1B

MLL1

MLL2

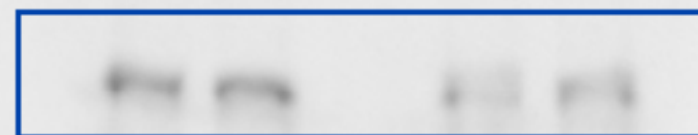
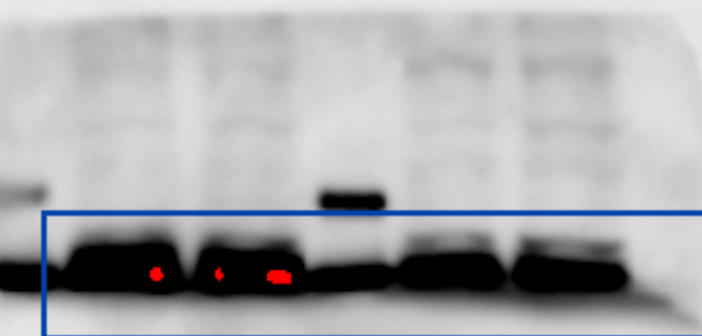
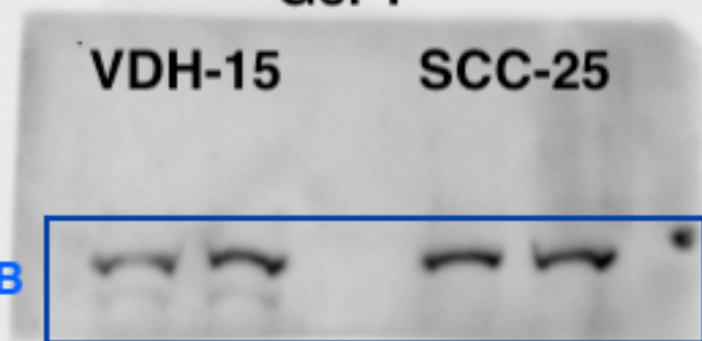
Gel 2

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SCC-25

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Hsp90



14 Days COMPASS Proteins WB

Gel 1

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SCC-25

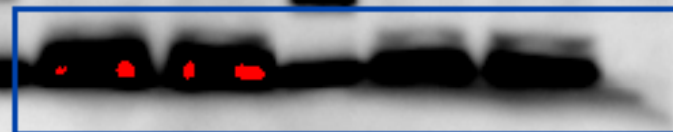
Set1B



MLL1



MLL2

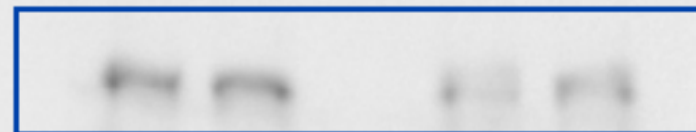


Gel 2

VDH-15

SCC-25

Set1A



Hsp90



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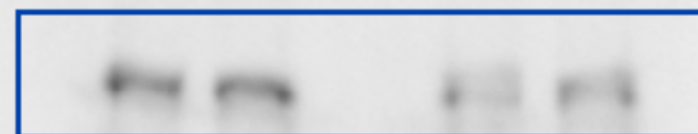
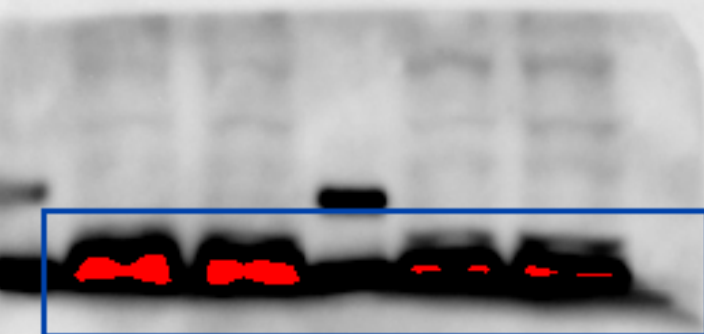
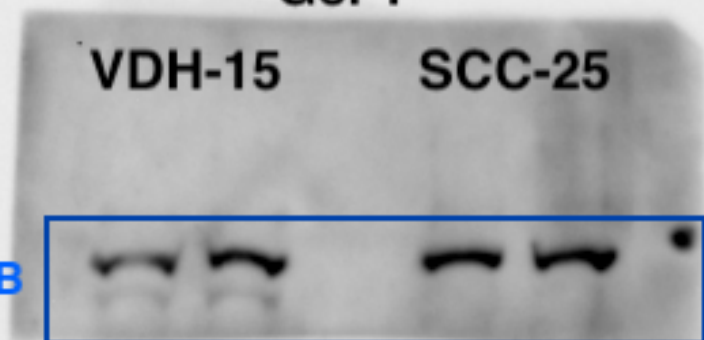
Gel 2

VDH-15

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14 Days COMPASS Proteins WB

Gel 1

VDH-15

SCC-25

Set1B

MLL1

MLL2

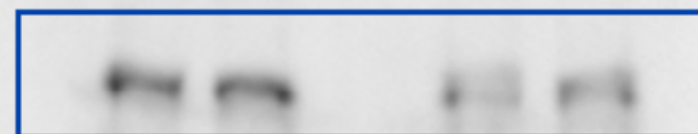
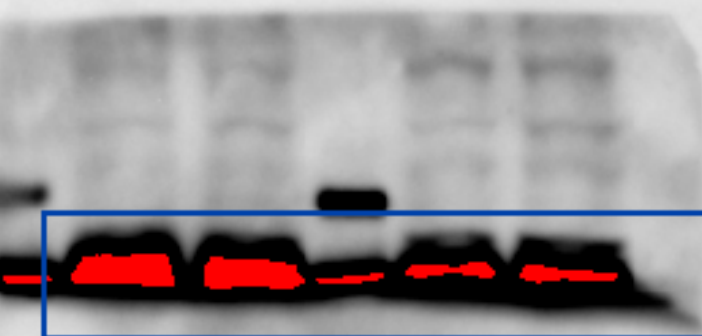
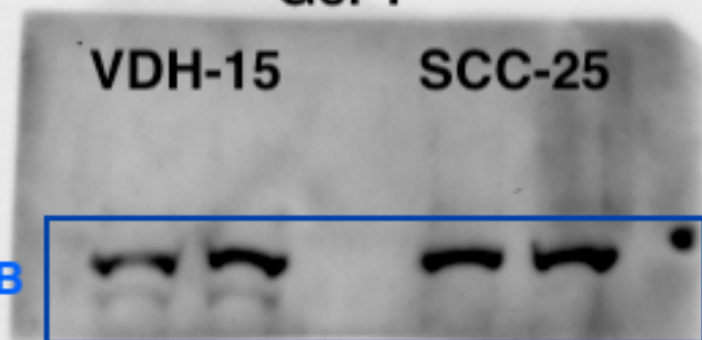
Gel 2

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14 Days COMPASS Proteins WB

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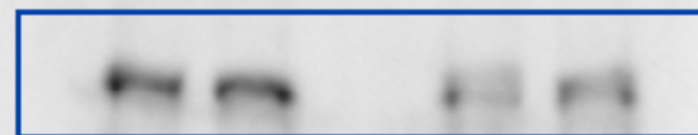
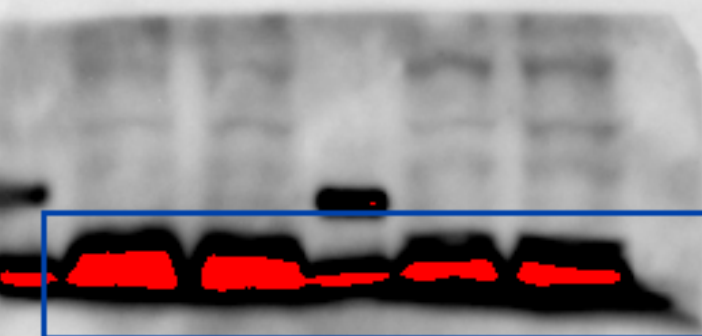
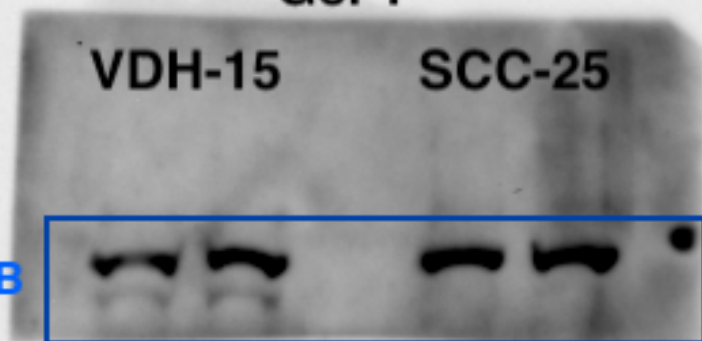
Gel 2

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Set1A

Hsp90



14 Days COMPASS Proteins WB

Gel 1

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MLL1

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