Functional Classification of *DDOST* Variants of Uncertain Clinical Significance in Congenital Disorders of Glycosylation

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Supplementary Information (SI)

The original images of the western blots used in this study.

This document contains all the uncropped western blots that are presented in the manuscript. The membranes were captured using the Li-COR Odyssey CLx Infrared Imaging System using a 700 nm (shown in red) and 800 nm (green) channel, which enabled the detection of proteins with similar molecular weight on a single membrane. The white rectangles mark the cropped images that are shown in the manuscript. A few membranes were reprobed with new antibodies after the first round of incubations.

Fig. 2c



Fig. 2d



Vinculin

700 and 800 nm (Vinculin reprobe)



Fig. 2e

kDa 700 and 800 nm



Fig. 3b r00 and 800 nm kDa (overexposed) Vinculin Covered Vinculin LOX Vinculin Covered Cove

700 nm (OST48 reprobe)



Fig. 4a 700 an

700 and 800 nm





700 and 800 nm (Vinculin and GFP reprobe)





Supplementary Fig. 2a



Supplementary Fig. 2b 700 and 800 nm





800 nm



800 nm

- - -



Supplementary Fig. 2c



Supplementary Fig. 2d



800 nm



Supplementary Fig. 3b: MDA-MB-231

700 and 800 nm kDa 225 -150 — 102 -76 -52 — 38-



31



700 nm



Vinculin

700 nm







700 nm

Cas9

Vinculin

LOX

Vinculin

Supplementary Fig. 4a

kDa 225

150 —

102 -76-52 -

> 38 31 -

24 **-**17 **-**

700 and 800 nm



Supplementary Fig. 5a: Top left



Supplementary Fig. 5a: Top right

700 and 800 nm 700 and 800 nm 700 and 800 nm 700 nm kDa (overexposed) (OST48 reprobe) (OST48 reprobe) 225 **-**150 **-**Vinculin 102 -76-52 -LOX OST48 38-31 -24 -

Supplementary Fig. 5a: Bottom left



Supplementary Fig. 5a: Bottom right



Supplementary Fig. 5b



Supplementary Fig. 5c 700 and 800 nm

