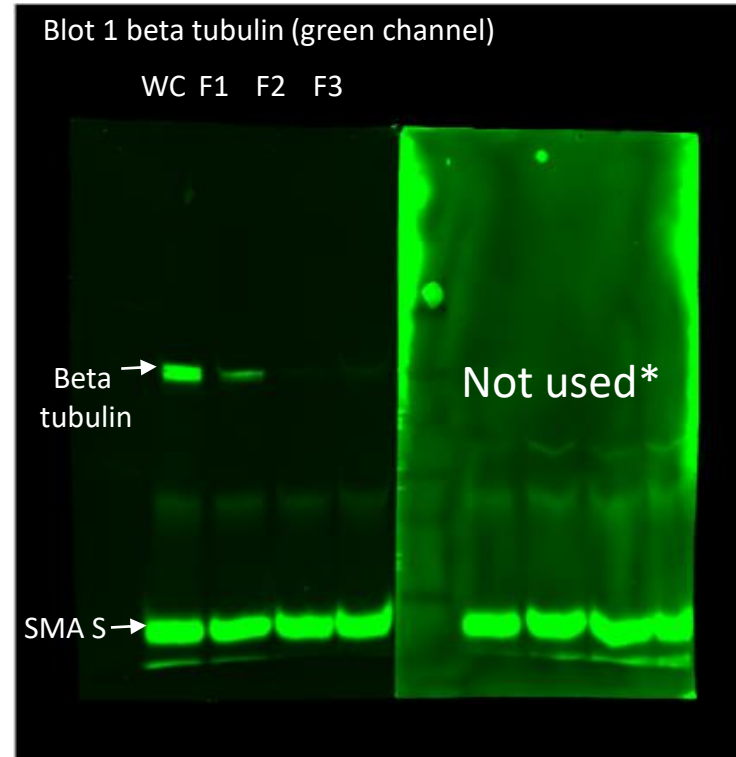
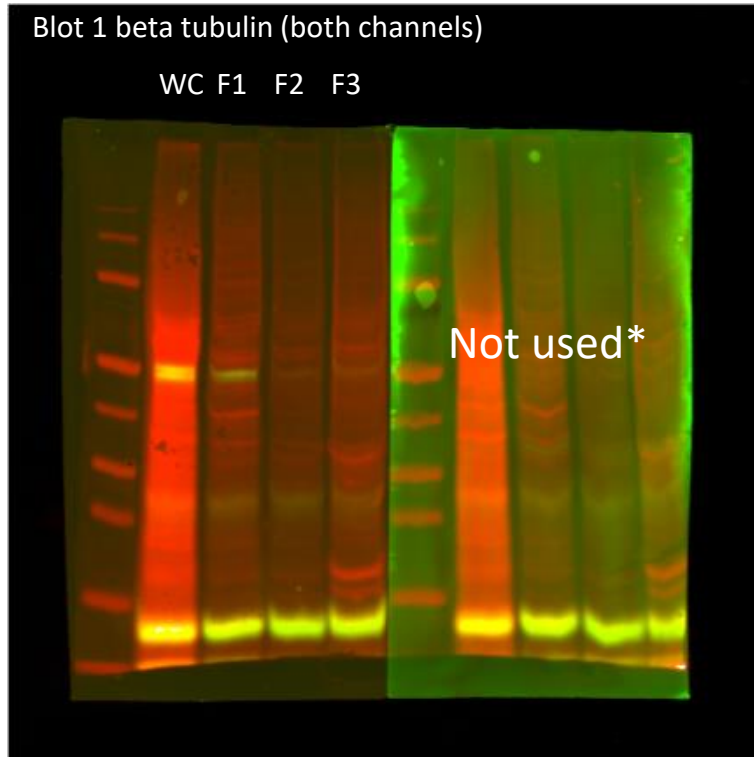


Supplementary material for Western blot analysis using the SPL System

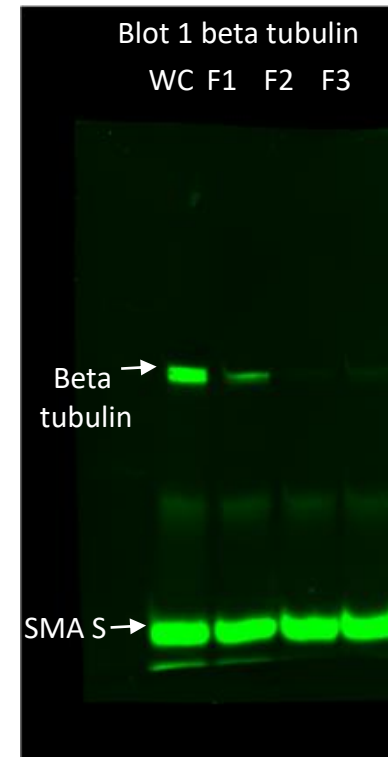
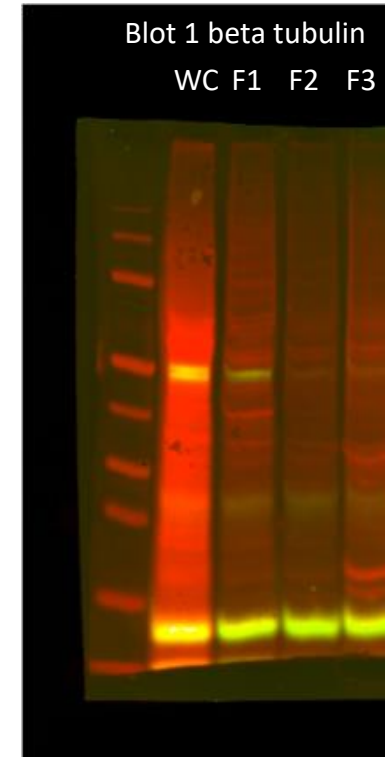
Quantitative Smart Protein Layers (SPL) Western Blotting System (NH DyeAGNOSTICS GmbH) was utilized to determine quantitative differences of target protein in samples. For that, total protein amount applied on the gel was pre-labeled in red fluorescent fluorophore (700 nm) and a green fluorescent labeled standard protein SMA (800 nm, SMA L ~ 80kDa, SMA S ~ 12.5 kDa) was added, enabling an accurate quantification despite potential differences in the amount of total labeled protein.

Beta tubulin detection Supplementary Figure 1G

Original images



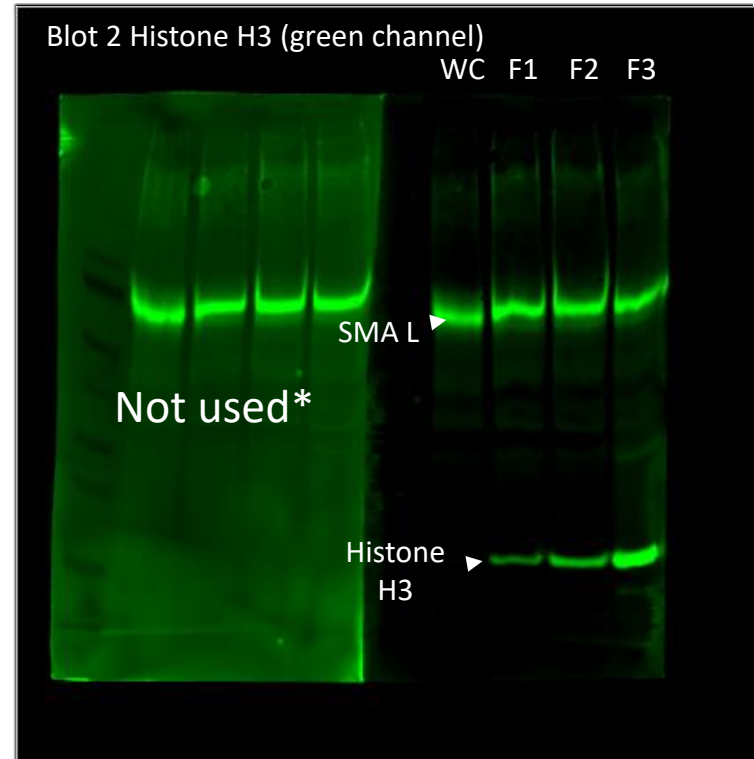
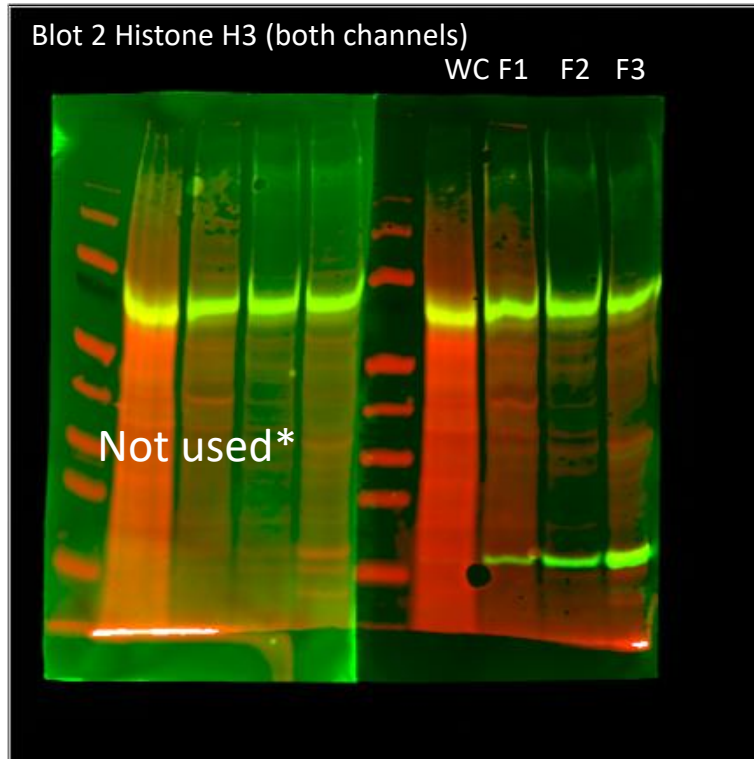
Cropped images



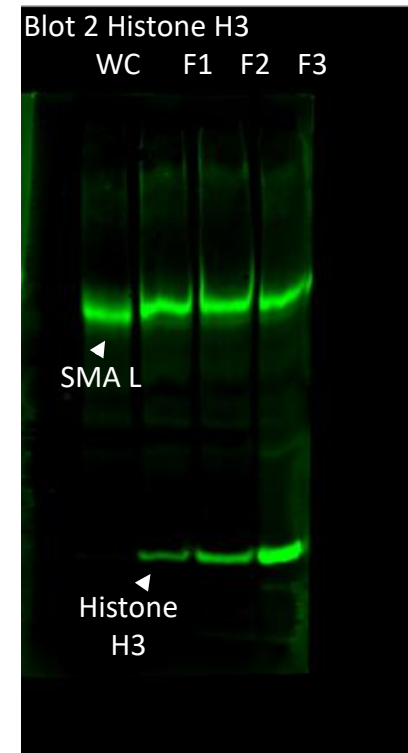
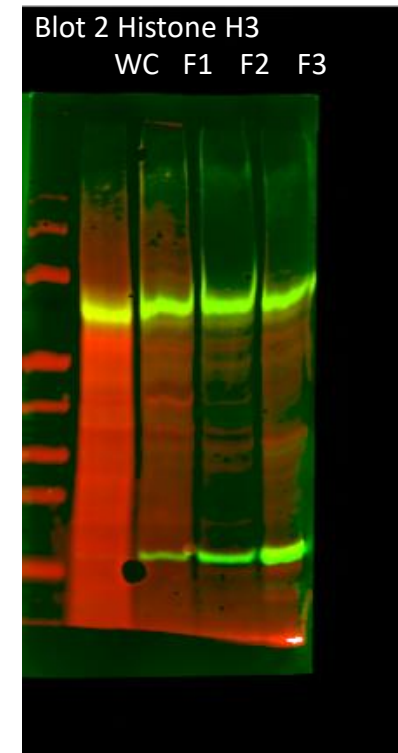
* The odyssey scanner utilized to scan the blots allows scanning of big areas, thus two blots were scanned at the same time (with different target antibodies) of whose not all resulted in the successful detection

Histone H3 detection Supplementary Figure 1G

Original images



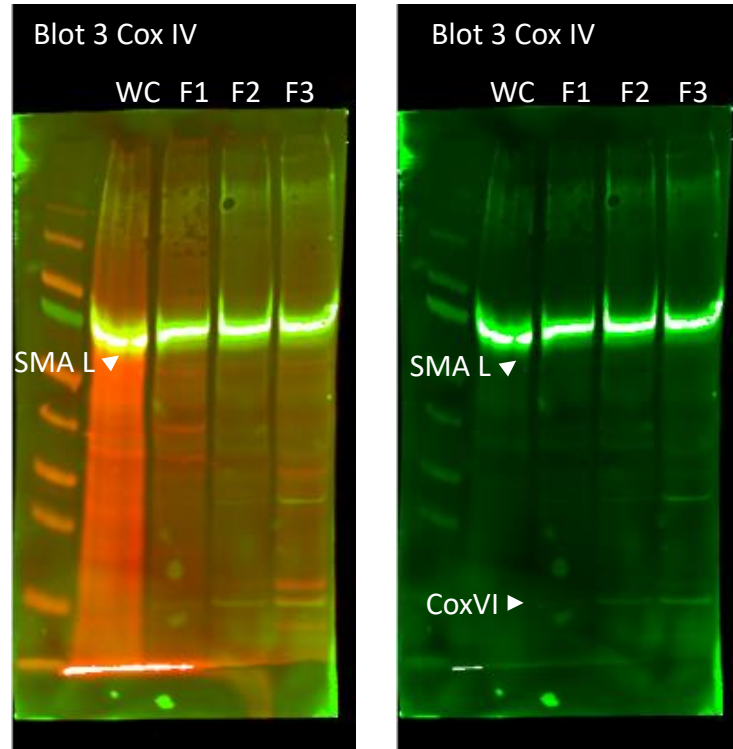
Cropped images



* The odyssey scanner utilized to scan the blots allows scanning of big areas, thus two blots were scanned at the same time (with different target antibodies) of whose not all resulted in the successful detection

Cox IV detection Supplementary Figure 1G

Original images



* The odyssey scanner utilized to scan the blots allows scanning of big areas, thus two blots were scanned at the same time (with different target antibodies) of whose not all resulted in the successful detection

Cox IV detection Supplementary Figure 2

Original image

