Immunomodulatory role of Parkinson's disease 7 in inflammatory bowel disease

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SUPPLEMENT

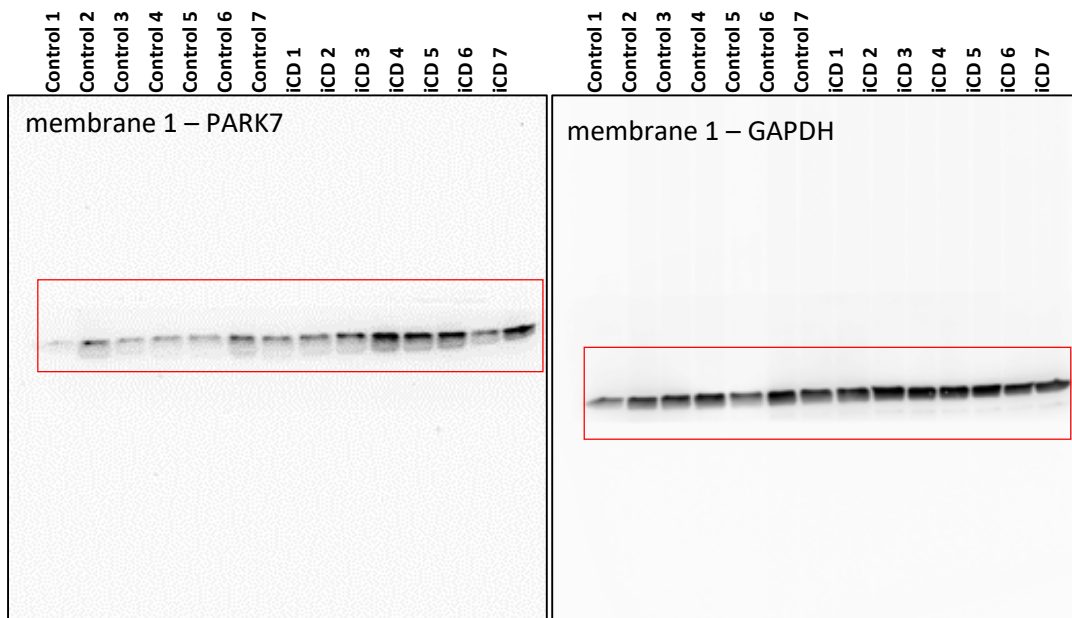Original images of western blot membranes, explanations, sample identifications are detailed below.

After blotting, the nitrocellulose membranes were cut in two pieces based on the molecular weight markers. The investigated proteins (PARK7, ß-actin or GAPDH) from the identical samples were present on separate membrane pieces, avoiding the interference derived from the multiple chemiluminescent signals of different proteins.
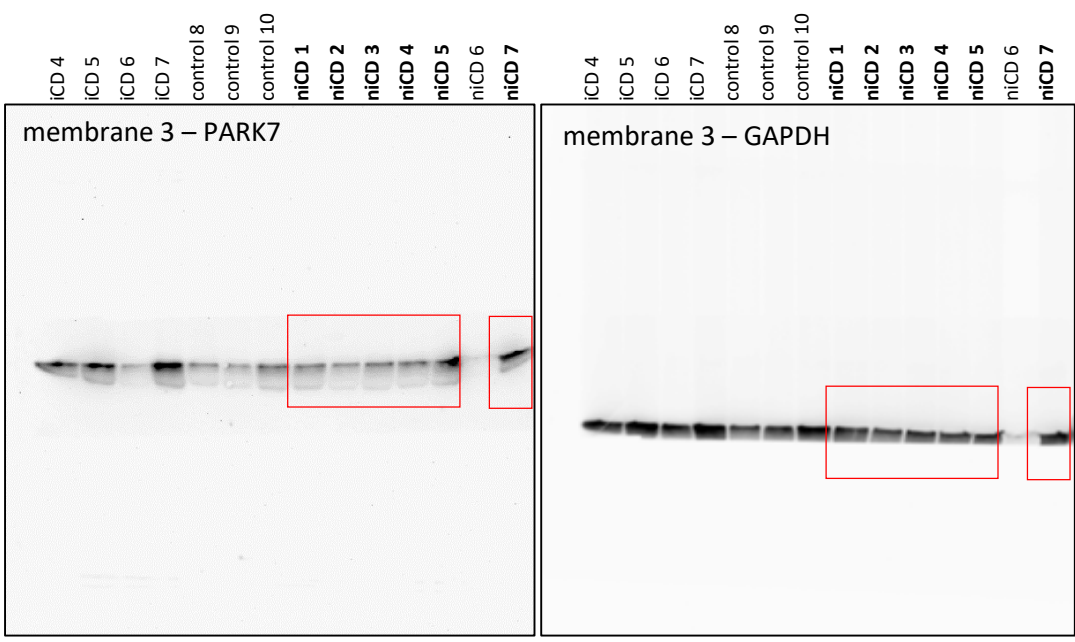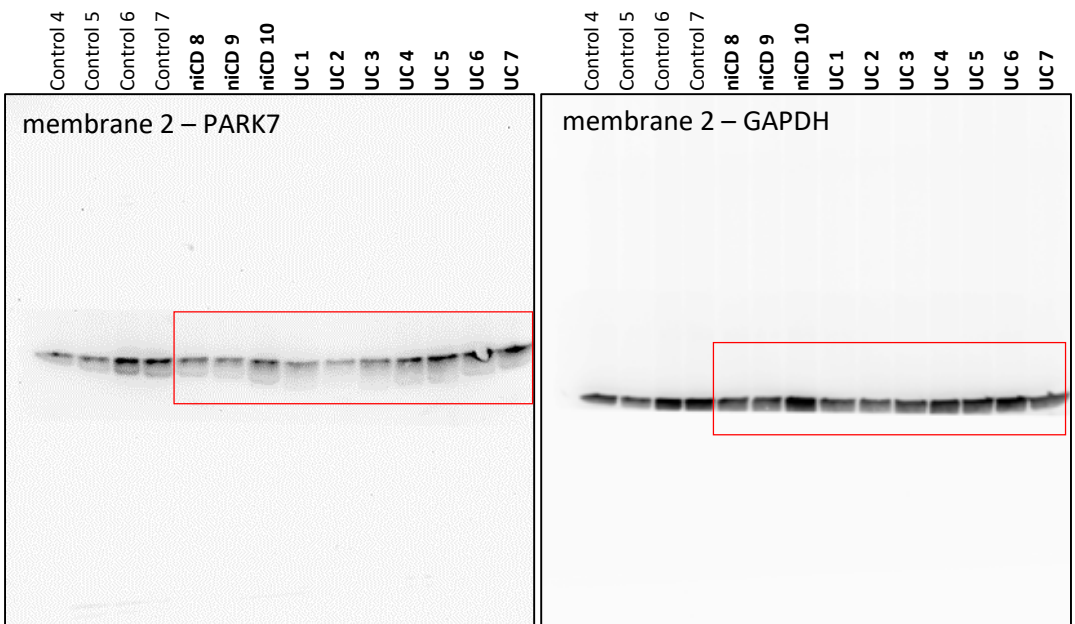
Samples included in representative images in the manuscript are highlighted with bold characters and denoted by red boxes.

Figure 1/c

sample order in Figure 1/c:

Control 1, Control 2, Control 3, Control 4, Control 5, Control 6, Control 7 | iCD 1, iCD 2, iCD 3, iCD 4, iCD 5, iCD 6, iCD 7 | niCD 7, niCD 5, niCD 4, niCD 3, niCD 2, niCD 1, niCD 10, niCD 9, niCD 8 | UC 1, UC 2, UC 3, UC 4, UC 5, UC 6, UC 7
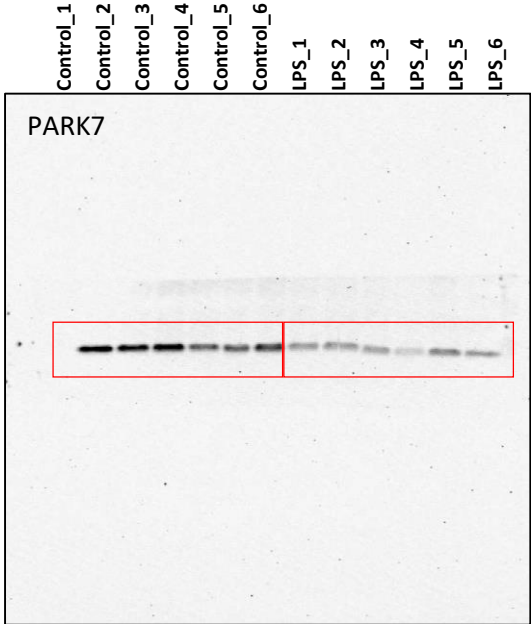
membrane 2 – PARK7

Control 4, Control 5, Control 6, Control 7, niCD 8, niCD 9, niCD 10, UC 1, UC 2, UC 3, UC 4, UC 5, UC 6, UC 7

membrane 2 – GAPDH

Control 4, Control 5, Control 6, Control 7, niCD 8, niCD 9, niCD 10, UC 1, UC 2, UC 3, UC 4, UC 5, UC 6, UC 7

membrane 3 – PARK7

iCD 4, iCD 5, iCD 6, iCD 7, control 8, control 9, control 10, niCD 1, niCD 2, niCD 3, niCD 4, niCD 5, niCD 6, niCD 7

membrane 3 – GAPDH

iCD 4, iCD 5, iCD 6, iCD 7, control 8, control 9, control 10, niCD 1, niCD 2, niCD 3, niCD 4, niCD 5, niCD 6, niCD 7

Figure 2/g

sample order in Figure 2/g:

Control_1, Control_2, Control_3, Control_4, Control_5, Control_6 |

LPS_1, LPS_2, LPS_3, LPS_4, LPS_5, LPS_6

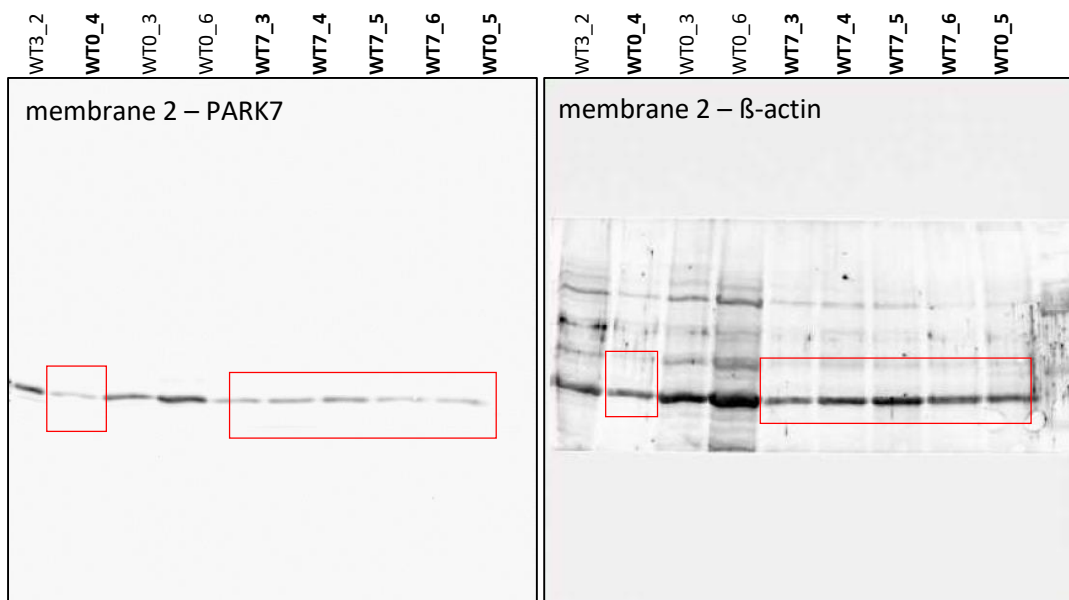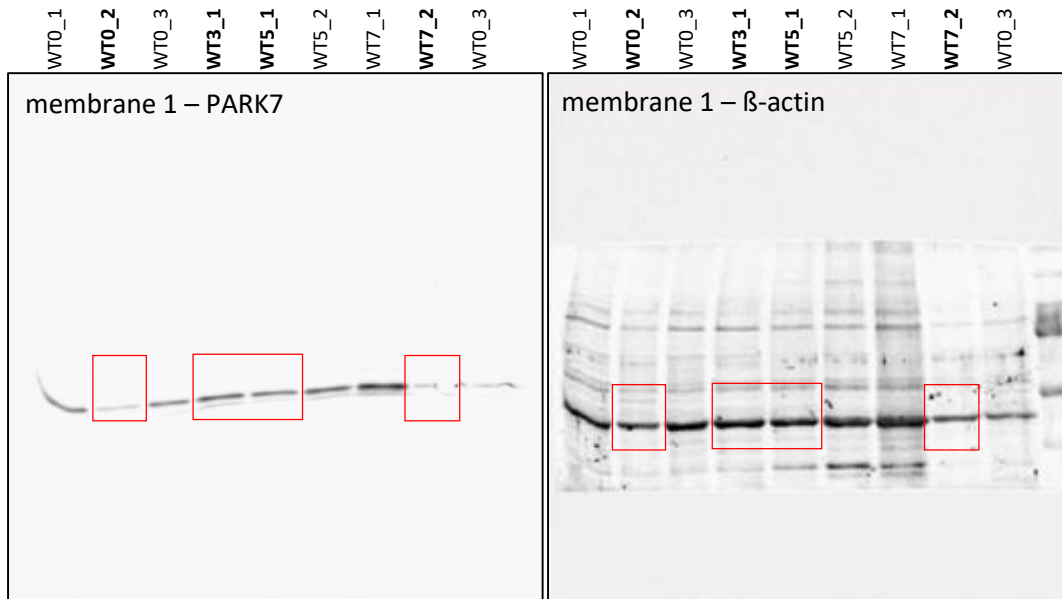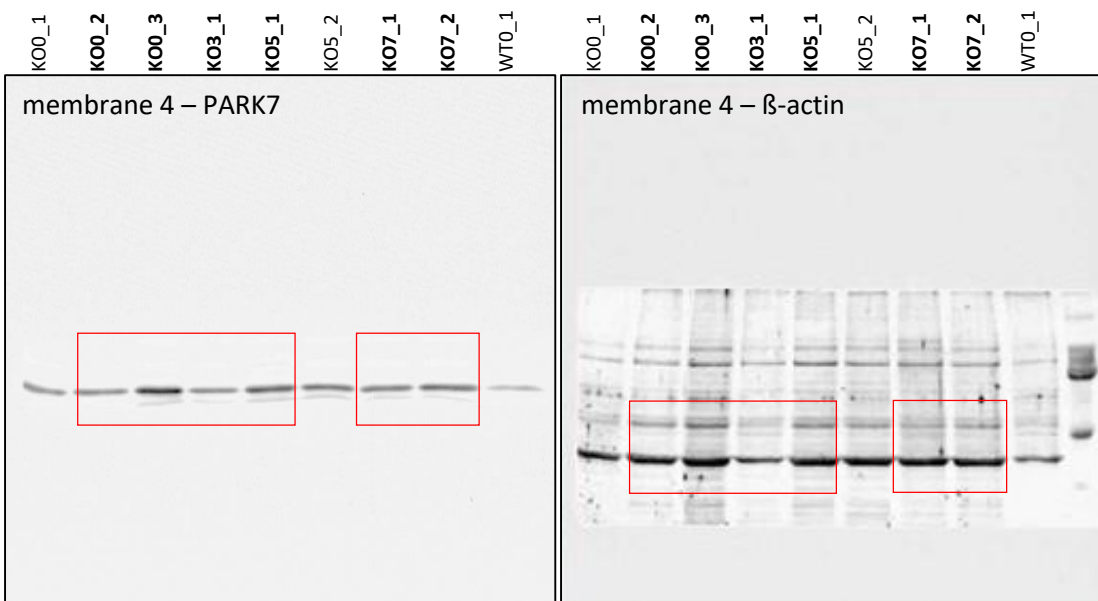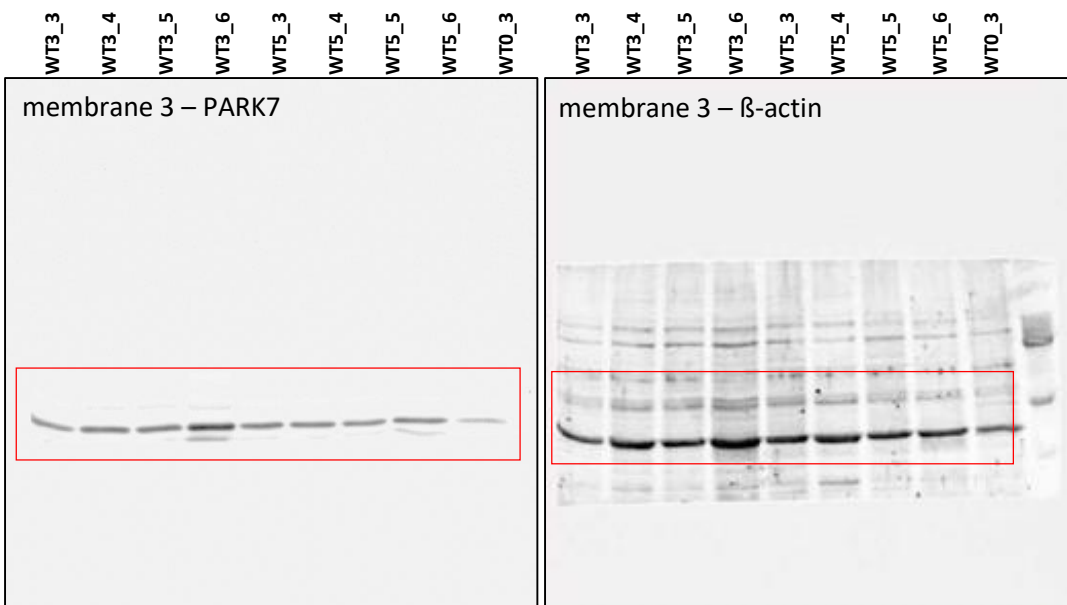# Figure 3/e
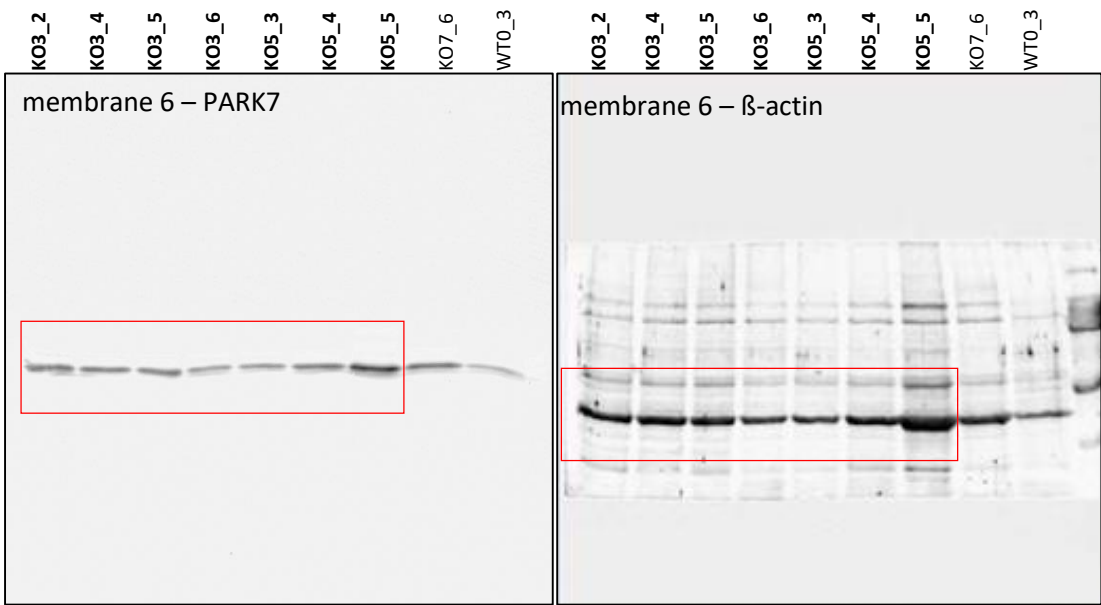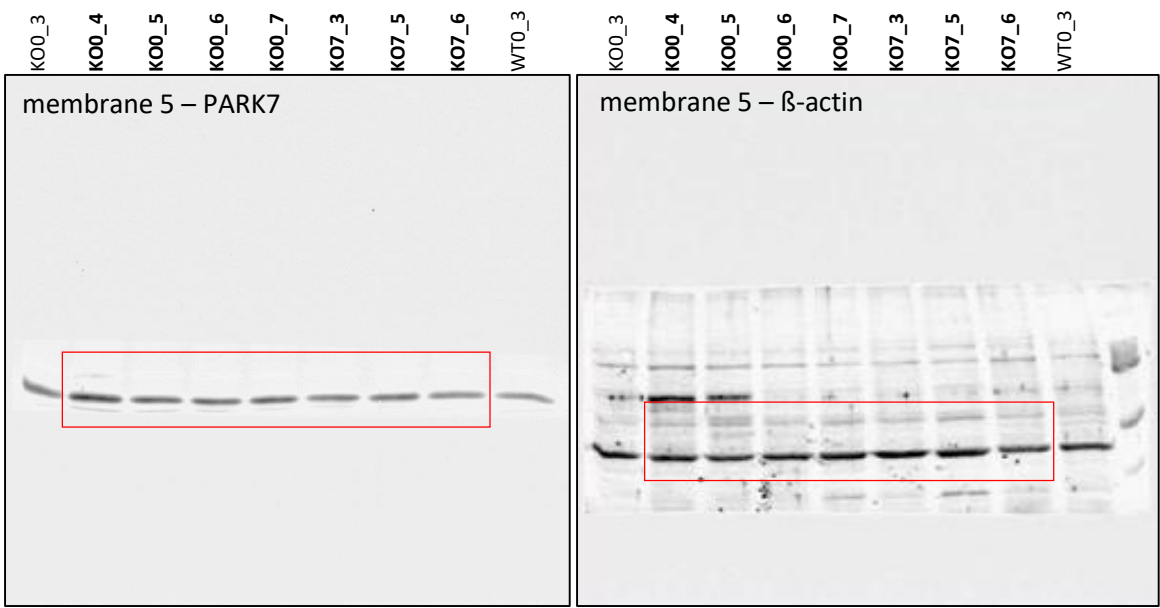
sample order in Figure 3/e:

WT → WT0_2, WT0_4, WT0_3, WT0_1, WT0_5 | WT3_3, WT3_4, WT3_5, WT3_6, WT3_1 | WT5_3, WT5_4, WT5_5, WT5_6, WT5_1 | WT7_3, WT7_4, WT7_5, WT7_6, WT7_2

IL17 -/- → KO0_2, KO0_3, KO0_4, KO0_5, KO0_6 | KO3_2, KO3_4, KO3_5, KO3_6, KO3_1 | KO5_3, KO5_4, KO5_5, KO5_6, KO5_1 | KO0_7, KO7_3, KO7_4, KO7_5, KO7_6, KO7_2

membrane 3 – PARK7
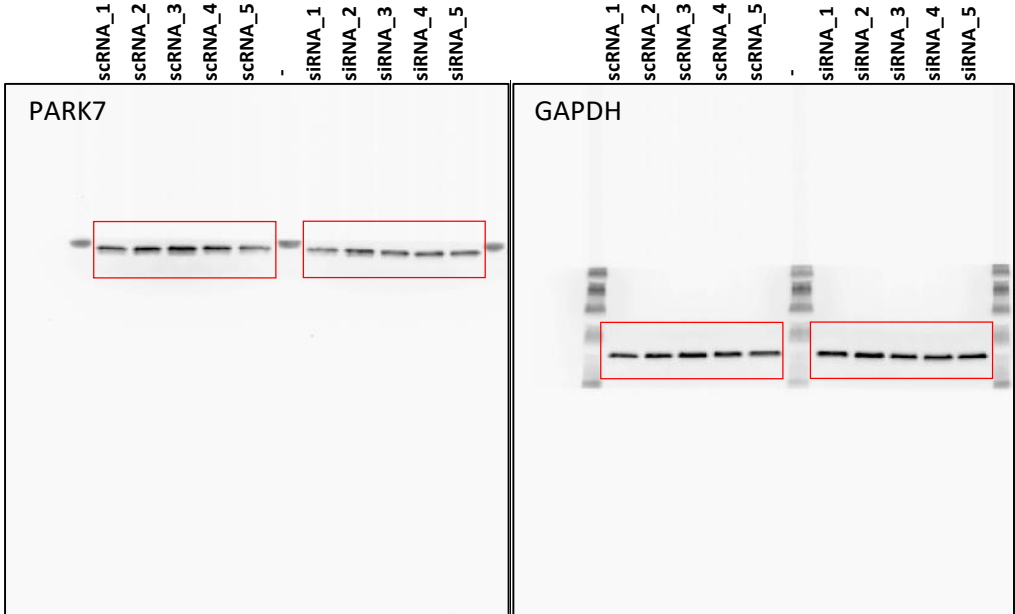
| WT3_3 | WT3_4 | WT3_5 | WT3_6 | WT5_3 | WT5_4 | WT5_5 | WT5_6 | WT0_3 |

membrane 3 – ß-actin

| WT3_3 | WT3_4 | WT3_5 | WT3_6 | WT5_3 | WT5_4 | WT5_5 | WT5_6 | WT0_3 |

membrane 4 – PARK7

| KO0_1 | KO0_2 | KO0_3 | KO3_1 | KO5_1 | KO5_2 | KO7_1 | KO7_2 | WT0_1 |

membrane 4 – ß-actin

| KO0_1 | KO0_2 | KO0_3 | KO3_1 | KO5_1 | KO5_2 | KO7_1 | KO7_2 | WT0_1 |

membrane 5 – PARK7

membrane 5 – ß-actin

membrane 6 – PARK7
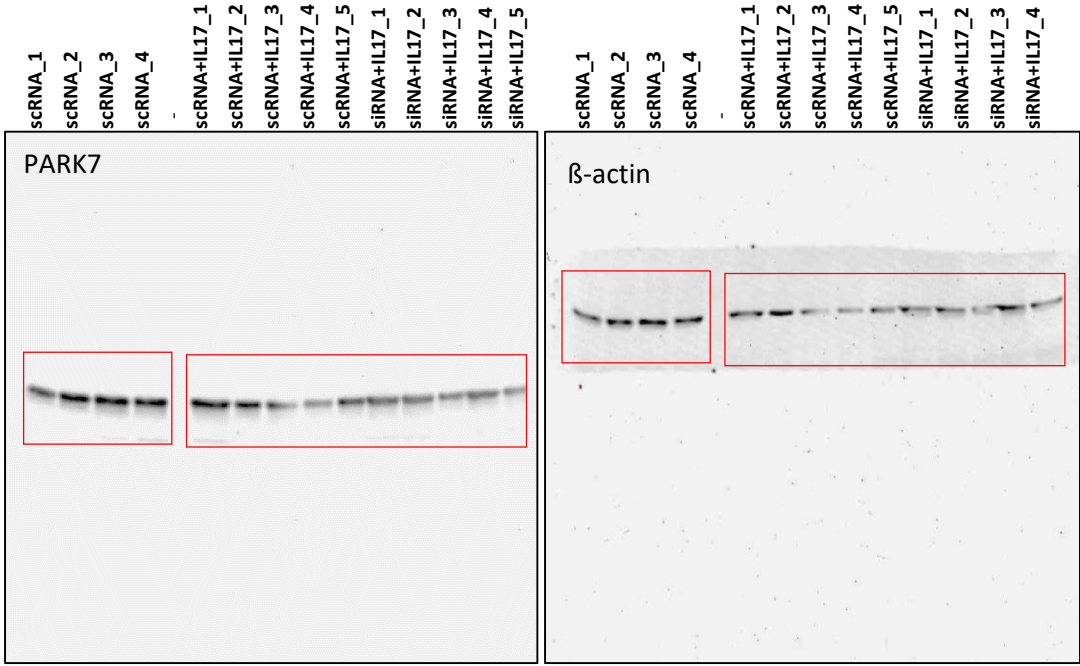
membrane 6 – ß-actin

Figure 4/f

sample order in 4/f:

scRNA_1, scRNA_2, scRNA_3, scRNA_4, scRNA_5 | siRNA_1, siRNA_2, siRNA_3, siRNA_4, siRNA_5

Figure 4/g

sample order in 4/g:

scRNA_1, scRNA_2, scRNA_3, scRNA_4 | scRNA+IL17_1, scRNA+IL17_2, scRNA+IL17_3, scRNA+IL17_4, scRNA+IL17_5 | siRNA+IL17_1, siRNA+IL17_2, siRNA+IL17_3, siRNA+IL17_4, siRNA+IL17_5

Figure 5/l
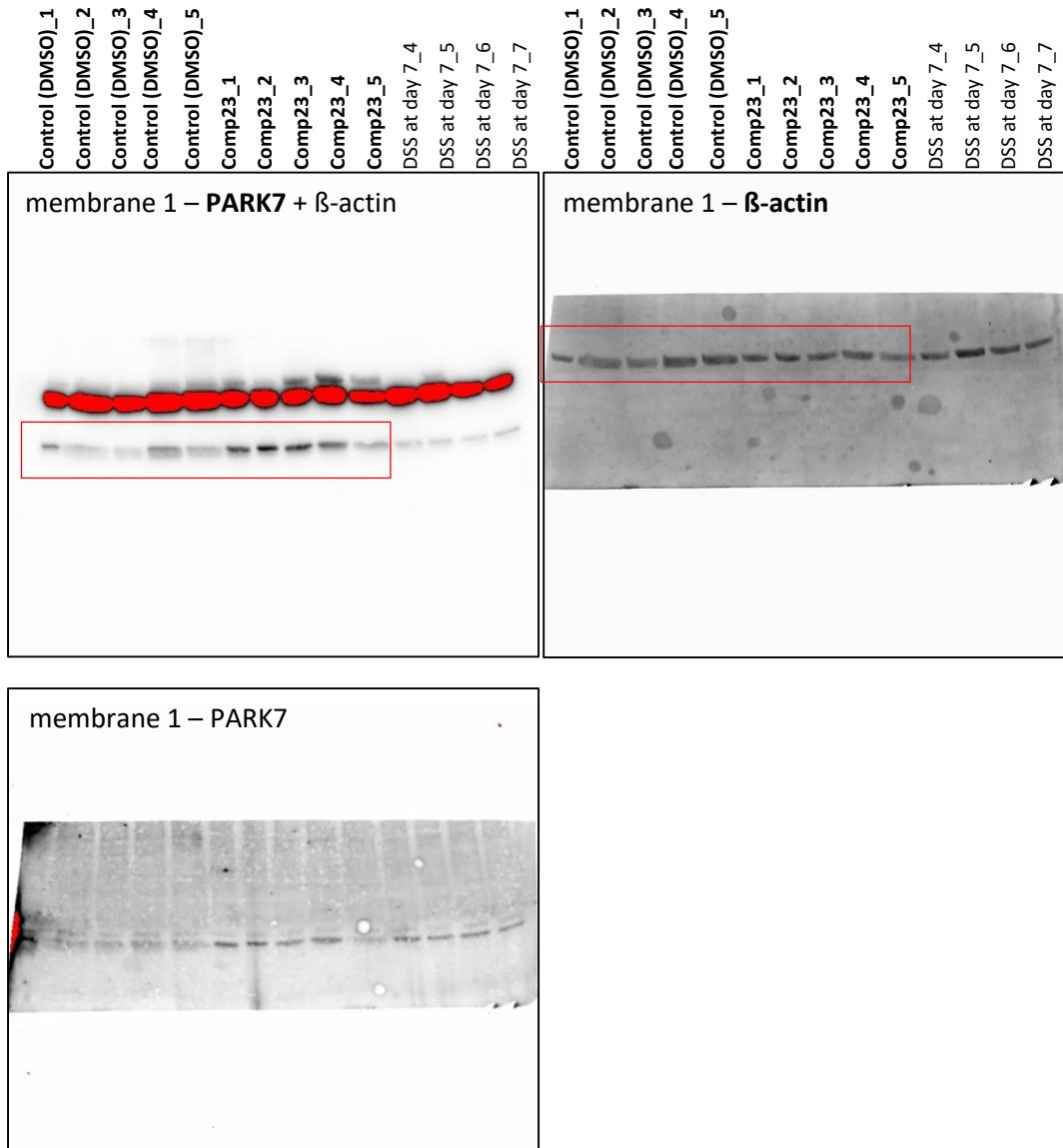
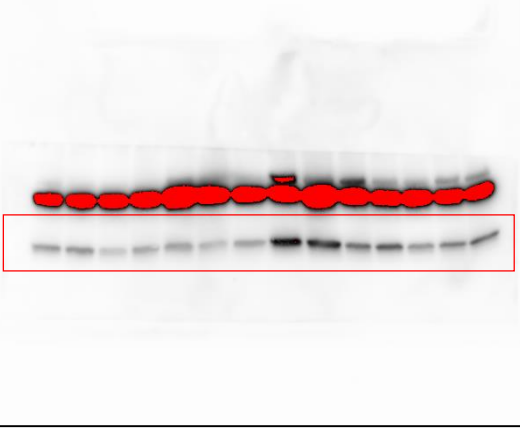**sample order in Figure 5/l:**

Control (DMSO)_1, Control (DMSO)_2, Control (DMSO)_3, Control (DMSO)_4, Control (DMSO)_5 | Comp23_1, Comp23_2, Comp23_3, Comp23_4, Comp23_5 | DSS at day 7_1, DSS at day 7_2, DSS at day 7_3, DSS at day 7_4, DSS at day 7_5, DSS at day 7_6, DSS at day 7_7 | DSS+Comp23 at day 7_1, DSS+Comp23 at day 7_2, DSS+Comp23 at day 7_3, DSS+Comp23 at day 7_4, DSS+Comp23 at day 7_5, DSS+Comp23 at day 7_6, DSS+Comp23 at day 7_7

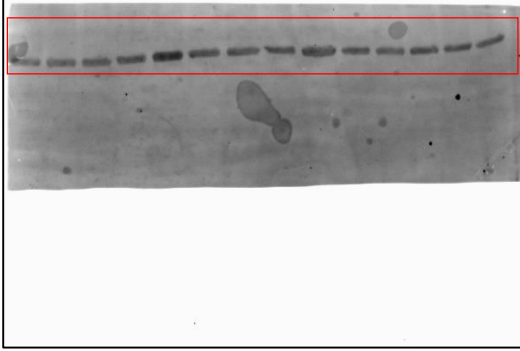DSS at day 7_1
DSS at day 7_2
DSS at day 7_3
DSS at day 7_4
DSS at day 7_5
DSS at day 7_6
DSS at day 7_7
DSS+Comp23 at day7_1
DSS+Comp23 at day7_2
DSS+Comp23 at day7_3
DSS+Comp23 at day7_4
DSS+Comp23 at day7_5
DSS+Comp23 at day7_6
DSS+Comp23 at day7_7

membrane 2 – **PARK7** + ß-actin

DSS at day 7_1
DSS at day 7_2
DSS at day 7_3
DSS at day 7_4
DSS at day 7_5
DSS at day 7_6
DSS at day 7_7
DSS+Comp23 at day7_1
DSS+Comp23 at day7_2
DSS+Comp23 at day7_3
DSS+Comp23 at day7_4
DSS+Comp23 at day7_5
DSS+Comp23 at day7_6
DSS+Comp23 at day7_7

membrane 2 – **ß-actin**

membrane 2 – PARK7