# Supplementary Materials

# Dietary polyacetylenic oxylipins falcarinol and falcarindiol prevent inflammation and colorectal neoplastic transformation through COX-2 inhibition: A mechanistic and dose-response study in a rat model

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**Table S1**. Primer sequences used for analysis of gene expression.

| Gene | Official gene name | Forward Primer (5'-3') | Revers Primer (5'-3') | Probe (5'-3') |
|---|---|---|---|---|
| COX-1 | PTGS1 | GTAGACCTTGGCCACATTTATG | AAGTTTCCCATCCTTGAAGAGC | TCTGGAZACGACAZGTACCZACC |
| COX-2 | PTGS2 | CCACCCCAAACACAGTACAC | CGAAGGAAGGGAATGTTGTTCA | CCACTTCZAAGGGAGTCTGZGA |
| NF-κβ | NFKB1 | ACACTTAGCCATCATCCACCT | TGTCATCAGAGATCGAACCAG | GCTCGTZGAGGGATCTZGCTAG |
| IL-1β | IL1B | TCCTGTGTGATGAAAGACGG | GGGAACTGTGCAGACTCAAA | CTGGAGZAGTGTGGZATCCCAA |
| IL-6 | IL6 | CCACCCACAACAGACCAGTA | TCTCATTTCCAAGATCTCCCTGA | ACCACTTCACZAAGTCGGAZGG |
| PPARγ2 | PPARG | GGAATCAGCTCTGTGGACCT | GCTCTTGTGAACGGGATGTC | TGGATGZACCZACTCCCZATTCC |
| TNFα | TNF | CACCACGCTCTTCTGTCTAC | GGGCTTGTCACTCGAGTTTT | GGTCCCAACAAGZGAGGAGZAA |

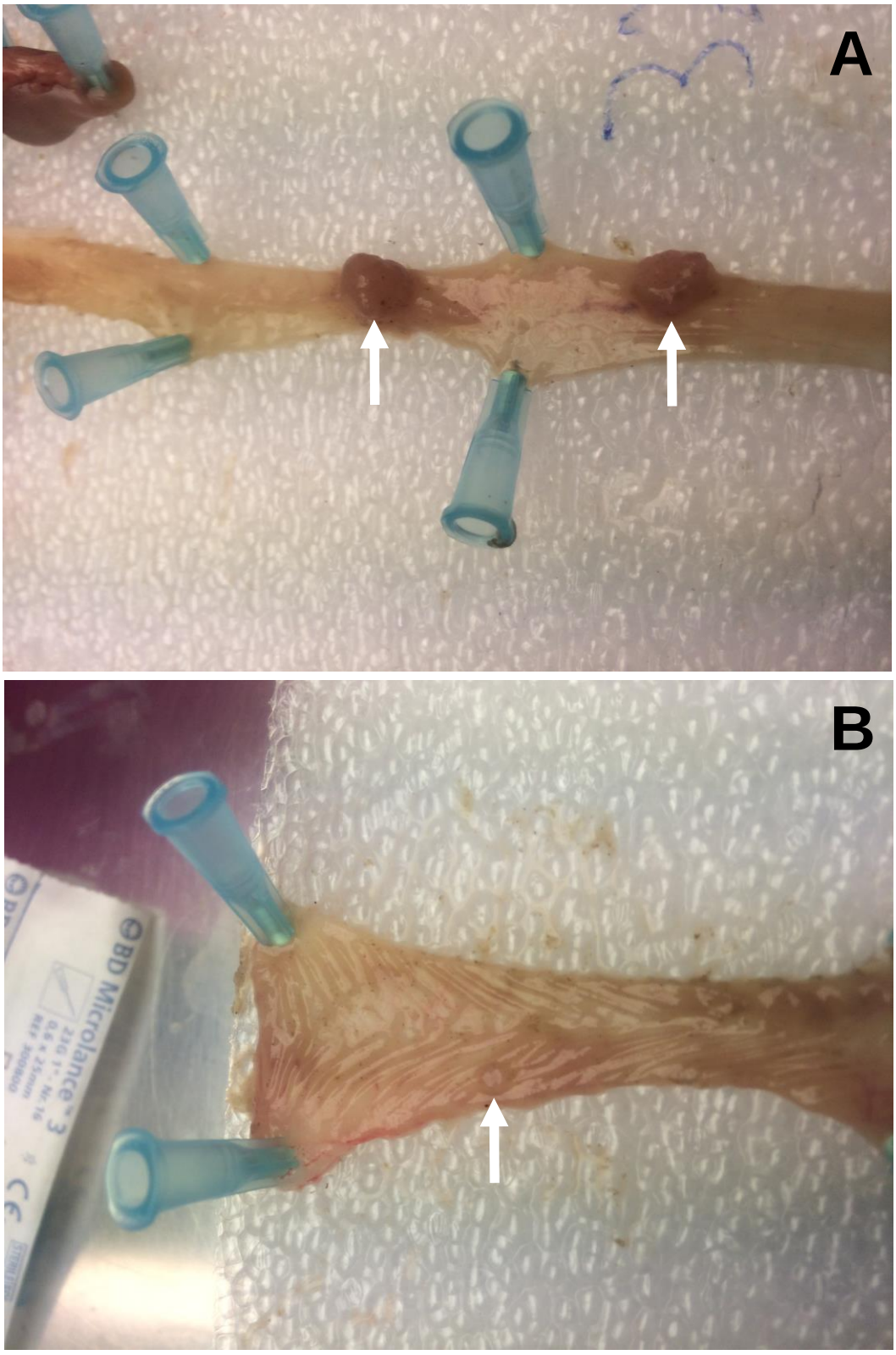


**Figure S1**. The macroscopic polyp lesions in the AOM-treated rats varied in size from (**A**) large adenomas to (**B**) small adenomas. The adenomas was in general smaller in rats on a SRD supplemented with FaOH and FaDOH compared to rats on a SRD (control group). In addition, the percentage of large adenomas of the total macroscopic polyp lesions was highest in the control group.