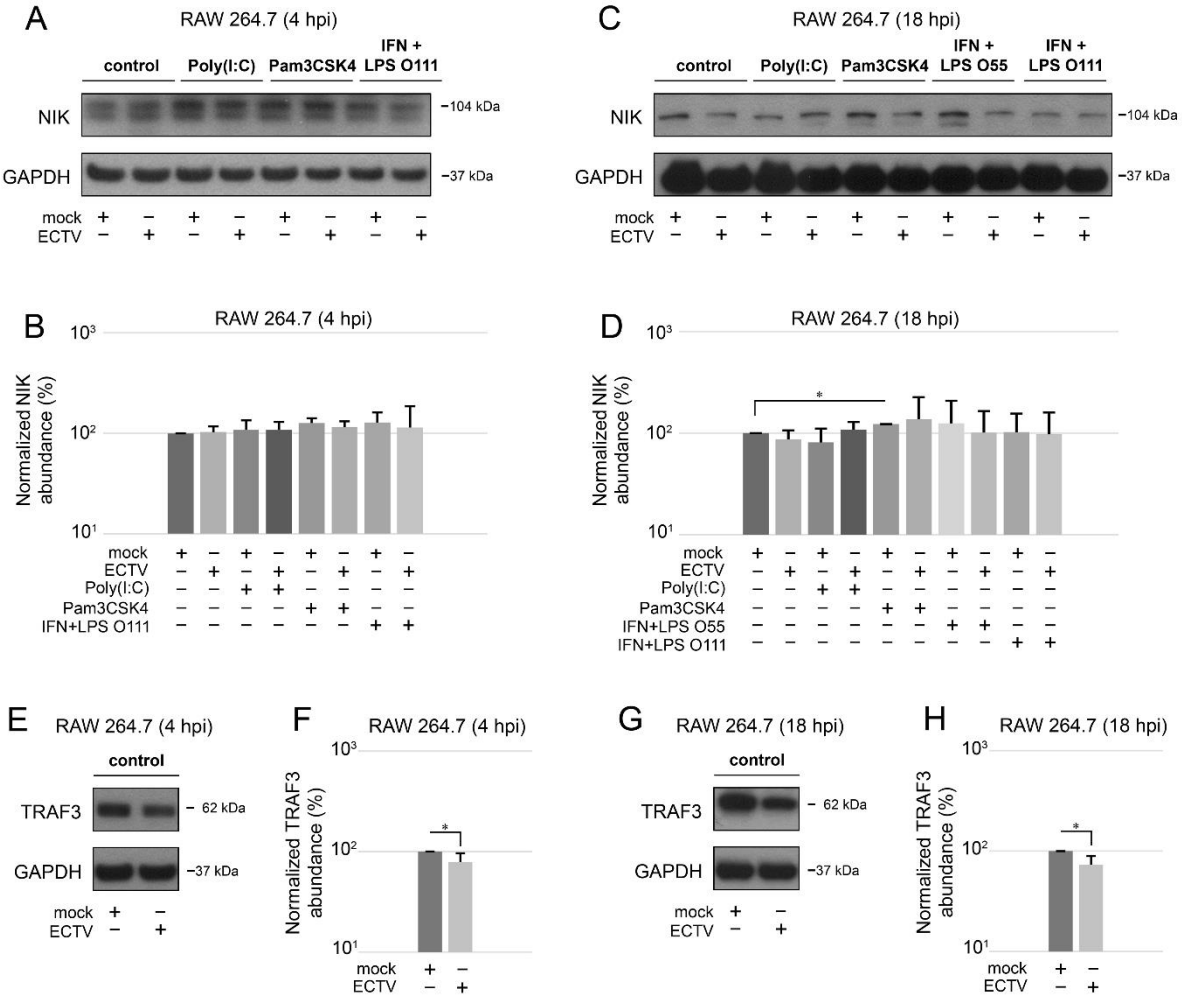


**Supplementary Figure 1.** Analysis of the content of NIK and TRAF3 in the mock- and ECTV-infected RAW 264.7 macrophages. (**A**) Immunoblot analysis of NIK content in mock- and ECTV-infected RAW 264.7 cells that were untreated or treated with poly(I:C), Pam3CSK4, or rmIFN-γ + *Escherichia coli* LPS O111:B4 at 4 hpi. (**B**) Densitometric evaluation of NIK expression in ECTV-infected RAW 264.7 cells (4 hpi). The analysis was based on the results of three independent biological experiments. The data are presented on a histogram with a logarithmic scale. GAPDH—loading control. (**C**) Immunoblot analysis of NIK content in the mock- and ECTV-infected RAW 264.7 cells that were untreated or treated with poly(I:C), Pam3CSK4, or rmIFN-γ + *E. coli* LPS O55:B5 or O111:B4 at 18 hpi. (**D**) Densitometric evaluation of NIK expression in ECTV-infected RAW 264.7 cells (18 hpi). The analysis was based on the results of two independent biological experiments. The data are presented on a histogram with a logarithmic scale. GAPDH—loading control (*$p \leq 0.05$). (**E**) Immunoblot analysis of TRAF3 content in the mock- and ECTV-infected RAW 264.7 cells at 4 hpi. (**F**) Densitometric evaluation of TRAF3 expression in ECTV-infected RAW 264.7 cells (4 hpi). The analysis was based on the results of two independent biological experiments. The data are presented on a histogram with a logarithmic scale. GAPDH—loading control (*$p \leq 0.05$). (**G**) Immunoblot analysis of TRAF3 content in the mock- and ECTV-infected RAW 264.7 cells at 18 hpi. (**H**) Densitometric evaluation of TRAF3 expression in ECTV-infected RAW 264.7 cells (18 hpi). The analysis was based on the results of two independent biological experiments. The data are presented on a histogram with a logarithmic scale. GAPDH—loading control (*$p \leq 0.05$).

**Supplementary Table 1**. Expression of genes involved in NF-κB signaling pathways in RAW 264.7 macrophages stimulated with poly(I:C) for 18 h.

| Poly(I:C) vs control | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Atf3* | 0,9727 | 0,837472 | -0,039933177 |
| *Bcl2* | 0,7186 | 0,448858 | -0,47673916 |
| *Bcl3* | 1,5227 | 0,170099 | 0,606631732 |
| *Birc2* | 1,2397 | 0,39966 | 0,309991039 |
| *Birc3* | 2,2191 | 0,073059 | 1,149974682 |
| *Ccl19* | 0,8685 | 0,521313 | -0,203402246 |
| *Ccl25* | 0,8766 | 0,963013 | -0,190009416 |
| *Ccr10* | 0,8685 | 0,521313 | -0,203402246 |
| *Ccr8* | 0,8685 | 0,521313 | -0,203402246 |
| *Cd36* | 0,5261 | 0,011111 | -0,926591045 |
| *Cd40* | 3,4903 | 0,042535 | 1,803351045 |
| *Cd68* | 1,0619 | 0,737596 | 0,086647913 |
| *Cd86* | 0,8685 | 0,521313 | -0,203402246 |
| *Cflar* | 1,4845 | 0,282632 | 0,569977093 |
| *Chuk* | 1,162 | 0,499438 | 0,216610069 |
| *Creb1* | 0,9659 | 0,952453 | -0,050054261 |
| *Csf2* | 0,8685 | 0,521313 | -0,203402246 |
| *Cxcl10* | 2,2346 | 0,112797 | 1,160016608 |
| *Cxcl5* | 0,8685 | 0,521313 | -0,203402246 |
| *Cxcr5* | 1,0425 | 0,690566 | 0,060047384 |
| *Daxx* | 1,4077 | 0,255517 | 0,493339909 |
| *Ddx58* | 3,7668 | 0,070815 | 1,913339435 |
| *Ets2* | 2,3511 | 0,033747 | 1,233335903 |
| *Hdac9* | 0,9772 | 0,980521 | -0,033274231 |
| *Hmgb1* | 0,5864 | 0,065331 | -0,770042991 |
| *Icam1* | 2,2763 | 0,043682 | 1,186690707 |
| *Ido1* | 0,8685 | 0,521313 | -0,203402246 |
| *Ifit1* | 19,2484 | 0,055576 | 4,266666623 |
| *Ifnb1* | 0,8685 | 0,521313 | -0,203402246 |
| *Ifngr1* | 0,9223 | 0,872043 | -0,116691997 |
| *Ikbkb* | 0,9885 | 0,928764 | -0,016687129 |
| *Ikbke* | 2,4453 | 0,065553 | 1,290011472 |
| *Ikbkg* | 4,0278 | 0,006102 | 2,009992048 |
| *Il15* | 2,2868 | 0,068131 | 1,193330195 |
| *Il18* | 1,0718 | 0,700665 | 0,100035721 |
| *Il9* | 0,8685 | 0,521313 | -0,203402246 |
| *Irak1* | 0,727 | 0,368887 | -0,459972731 |
| *Irak3* | 0,9374 | 0,967064 | -0,0932633 |
| *Irf1* | 0,9223 | 0,964208 | -0,116691997 |
| *Irf2* | 0,9075 | 0,777673 | -0,140030452 |
| *Irf3* | 0,9309 | 0,913952 | -0,103301897 |
| *Irf5* | 0,984 | 0,911822 | -0,023269779 |
| *Irf8* | 0,6507 | 0,190601 | -0,619935541 |
| *Jak1* | 1,162 | 0,591372 | 0,216610069 |
| *Ltbr* | 0,8586 | 0,674539 | -0,219941922 |
| *Map2k3* | 0,8351 | 0,423571 | -0,25997913 |
| *Mapkapk2* | 1,2864 | 0,324814 | 0,363339312 |
| *Mavs* | 1,021 | 0,89367 | 0,029982866 |
| *Mmd2* | 0,8685 | 0,521313 | -0,203402246 |
| *Mmp2* | 0,8685 | 0,521313 | -0,203402246 |

| Poly(I:C) vs control | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Mmp25* | 0,8685 | 0,521313 | -0,203402246 |
| *Mmp9* | 57,4141 | 0,002279 | 5,843333179 |
| *Mtor* | 1,0234 | 0,880486 | 0,033370138 |
| *Myd88* | 1,0281 | 0,828426 | 0,039980598 |
| *Nfat5* | 0,9482 | 0,923404 | -0,076736702 |
| *Nfix* | 0,8685 | 0,521313 | -0,203402246 |
| *Nfkb1* | 1,2255 | 0,375081 | 0,293370484 |
| *Nfkb2* | 2,1189 | 0,049813 | 1,083315502 |
| *Nfkbia* | 3,0738 | 0,042033 | 1,620023298 |
| *Nfkbib* | 1,8277 | 0,073125 | 0,870029285 |
| *Nlrc5* | 1,0968 | 0,537277 | 0,133300476 |
| *Nlrp12* | 0,8685 | 0,521313 | -0,203402246 |
| *Otud7b* | 1,154 | 0,398019 | 0,206643224 |
| *Rel* | 0,7544 | 0,419906 | -0,406598419 |
| *Relb* | 1,8361 | 0,088699 | 0,876644635 |
| *Snf8* | 0,9159 | 0,839811 | -0,126738005 |
| *Sp1* | 0,8141 | 0,574751 | -0,296722076 |
| *Sp110* | 2,5847 | 0,049534 | 1,36999684 |
| *Stap2* | 2,6882 | 0,09493 | 1,426640478 |
| *Stat1* | 1,398 | 0,27485 | 0,483364361 |
| *Stat6* | 1,257 | 0,380284 | 0,32998465 |
| *Syk* | 1,7371 | 0,123443 | 0,796680808 |
| *Tbk1* | 1,2658 | 0,309278 | 0,340049473 |
| *Tlr4* | 0,7937 | 0,445875 | -0,333334289 |
| *Tmem173* | 0,5743 | 0,135181 | -0,800123533 |
| *Tnfrsf11a* | 0,79 | 0,233864 | -0,340075442 |
| *Tnfrsf12a* | 1,4406 | 0,26372 | 0,526669809 |
| *Tnfrsf13c* | 0,8685 | 0,521313 | -0,203402246 |
| *Traf1* | 4,7678 | 0,020252 | 2,253323719 |
| *Traf2* | 1,1173 | 0,588151 | 0,160016608 |
| *Traf3* | 0,893 | 0,712742 | -0,16326792 |
| *Traf6* | 1,021 | 0,842702 | 0,029982866 |
| *Vegfb* | 0,9202 | 0,767881 | -0,119980638 |
| *Xbp1* | 0,7153 | 0,233946 | -0,483379653 |
| *Yy1* | 0,9727 | 0,95349 | -0,039933177 |
| *Rn18s* | 1 | 0 | |

The expression of the analyzed genes was evaluated using RT-qPCR. The cells were left untreated or treated with poly(I:C) for 18 h. Significant changes ($p \leq 0.05$, $\log_2$ fold change $\geq 1$) in gene expression are shown in red (upregulation). *Rn18s* – reference gene. Data were obtained from three independent experiments.

**Supplementary Table 2**. Expression of genes involved in NF-κB signaling pathways in RAW 264.7 macrophages stimulated with IFN+LPS for 18 h.

| IFN+LPS vs control | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Aim2* | 1,1755 | 0,376043 | 0,233274539 |
| *Atf3* | 8,0556 | 0,001672 | 3,009992048 |
| *Bcl2* | 1,1947 | 0,443994 | 0,25664839 |
| *Bcl3* | 4,3671 | 0,002542 | 2,126675567 |
| *Birc2* | 1,1173 | 0,485158 | 0,160016608 |
| *Birc3* | 2,0046 | 0,022456 | 1,003314389 |
| *Ccl19* | 0,79 | 0,277318 | -0,340075442 |

| IFN+LPS vs control | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Ccl25* | 0,732 | 0,037062 | -0,450084446 |
| *Ccr10* | 0,79 | 0,277318 | -0,340075442 |
| *Ccr8* | 0,79 | 0,277318 | -0,340075442 |
| *Cd36* | 0,7992 | 0,003956 | -0,323371512 |
| *Cd40* | 14,1559 | 0,000531 | 3,82333157 |
| *Cd68* | 1,0792 | 0,669441 | 0,109962253 |
| *Cd86* | 24,0284 | 0,004954 | 4,586668681 |
| *Cflar* | 3,387 | 0,0008 | 1,760007987 |
| *Chuk* | 1,0867 | 0,625717 | 0,119953718 |
| *Creb1* | 1,0693 | 0,712791 | 0,096666669 |
| *Csf2* | 29,5824 | 0,023173 | 4,886667197 |
| *Cxcl10* | 10,3627 | 0,099441 | 3,373328041 |
| *Cxcl5* | 0,79 | 0,277318 | -0,340075442 |
| *Cxcr5* | 0,5023 | 0,014451 | -0,99337882 |
| *Daxx* | 3,3558 | 0,000113 | 1,746656736 |
| *Ddx58* | 13,7688 | 0,000444 | 3,783330924 |
| *Ets2* | 3,793 | 0,001497 | 1,923339372 |
| *Hdac9* | 0,0976 | 0,000009 | -3,356975042 |
| *Hmgb1* | 0,2137 | 0,000341 | -2,226341187 |
| *Icam1* | 0,4622 | 0,004463 | -1,113410835 |
| *Ido1* | 0,79 | 0,277318 | -0,340075442 |
| *Ifit1* | 321,7954 | 0,003255 | 8,329999893 |
| *Ifnb1* | 0,79 | 0,277318 | -0,340075442 |
| *Ifngr1* | 0,3669 | 0,019232 | -1,44654119 |
| *Ikbkb* | 0,8312 | 0,242412 | -0,266732441 |
| *Ikbke* | 2,362 | 0,006043 | 1,240008965 |
| *Ikbkg* | 3,2944 | 0,01148 | 1,720015735 |
| *Il15* | 3,5884 | 0,008991 | 1,843340717 |
| *Il18* | 3,3404 | 0,017744 | 1,74002087 |
| *Il9* | 0,79 | 0,277318 | -0,340075442 |
| *Irak1* | 0,52 | 0,018042 | -0,943416472 |
| *Irak3* | 8,187 | 0,00222 | 3,033334895 |
| *Irf1* | 1,2142 | 0,029227 | 0,280006078 |
| *Irf2* | 0,5535 | 0,035182 | -0,853344778 |
| *Irf3* | 0,7614 | 0,108418 | -0,393273525 |
| *Irf5* | 0,4137 | 0,00059 | -1,273343137 |
| *Irf8* | 1,9908 | 0,004015 | 0,993348292 |
| *Jak1* | 2,1987 | 0,002813 | 1,13665077 |
| *Ltbr* | 1,0892 | 0,664786 | 0,123268887 |
| *Map2k3* | 0,3807 | 0,005289 | -1,393273525 |
| *Mapkapk2* | 1,3787 | 0,045093 | 0,463308566 |
| *Mavs* | 1,2894 | 0,27235 | 0,366699889 |
| *Mmd2* | 0,79 | 0,277318 | -0,340075442 |
| *Mmp2* | 0,79 | 0,277318 | -0,340075442 |
| *Mmp25* | 4,2673 | 0,010628 | 2,093323539 |
| *Mmp9* | 71,3414 | 0,005554 | 6,156667622 |
| *Mtor* | 0,7055 | 0,147103 | -0,503282012 |
| *Myd88* | 0,7087 | 0,10163 | -0,496753046 |
| *Nfat5* | 1,3134 | 0,011848 | 0,39330636 |
| *Nfix* | 0,79 | 0,277318 | -0,340075442 |
| *Nfkb1* | 2,0753 | 0,011231 | 1,053319904 |
| *Nfkb2* | 4,3974 | 0,003583 | 2,13665077 |
| *Nfkbia* | 9,2964 | 0,000836 | 3,216672146 |

| IFN+LPS vs control | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Nfkbib* | 4,7459 | 0,000054 | 2,246681702 |
| *Nlrc5* | 3,6217 | 0,000655 | 1,856667047 |
| *Nlrp12* | 0,79 | 0,277318 | -0,340075442 |
| *Otud7b* | 1,617 | 0,016423 | 0,693319679 |
| *Rel* | 2,0326 | 0,015182 | 1,023326332 |
| *Relb* | 1,4641 | 0,04962 | 0,550014095 |
| *Snf8* | 0,9033 | 0,197377 | -0,146722886 |
| *Sp1* | 0,7509 | 0,151336 | -0,413307303 |
| *Sp110* | 5,3517 | 0,000013 | 2,419997245 |
| *Stap2* | 2,8481 | 0,004973 | 1,509999802 |
| *Stat1* | 4,5842 | 0,001479 | 2,196669988 |
| *Stat6* | 1,0473 | 0,726421 | 0,066674763 |
| *Syk* | 8,0556 | 0,000924 | 3,009992048 |
| *Tbk1* | 2,114 | 0,002412 | 1,079975377 |
| *Tlr4* | 1,4175 | 0,051654 | 0,503348735 |
| *Tmem173* | 0,8179 | 0,402 | -0,290003631 |
| *Tnfrsf11a* | 0,3703 | 0,000024 | -1,433233545 |
| *Tnfrsf12a* | 0,8586 | 0,212509 | -0,219941922 |
| *Tnfrsf13c* | 0,79 | 0,277318 | -0,340075442 |
| *Traf1* | 9,736 | 0,000331 | 3,283329168 |
| *Traf2* | 1,2834 | 0,043059 | 0,359970888 |
| *Traf3* | 0,6537 | 0,051457 | -0,613299398 |
| *Traf6* | 1,8025 | 0,001163 | 0,849999259 |
| *Vegfb* | 0,7614 | 0,21571 | -0,393273525 |
| *Xbp1* | 0,6043 | 0,068131 | -0,726663153 |
| *Yy1* | 0,7614 | 0,089189 | -0,393273525 |
| *Rn18s* | 1 | 0 | |

The expression of the analyzed genes was evaluated using RT-qPCR. The cells were left untreated or treated with rmIFN-γ + *Escherichia coli* LPS O111:B4 for 18 h. Significant changes ($p \leq 0.05$, $\log_2$ fold change ≤ -1 or ≥ 1) in gene expression are shown in colors (blue-downregulation, red-upregulation). *Rn18s* – reference gene. Data were obtained from three independent experiments.

**Supplementary Table 3**. Expression of genes involved in NF-κB signaling pathways in RAW 264.7 macrophages infected with ECTV (18 hpi).

| ECTV vs control | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Aim2* | 1,1173 | 0,602205 | 0,160016608 |
| *Atf3* | 1,3755 | 0,29558 | 0,45995614 |
| *Bcl2* | 0,9482 | 0,770468 | -0,076736702 |
| *Bcl3* | 0,8526 | 0,326947 | -0,23005904 |
| *Birc2* | 0,8706 | 0,339986 | -0,199918075 |
| *Birc3* | 0,4147 | 0,002874 | -1,269860048 |
| *Ccl19* | 0,8217 | 0,336514 | -0,283316328 |
| *Ccl25* | 1,2454 | 0,204151 | 0,316609184 |
| *Ccr10* | 0,8217 | 0,336514 | -0,283316328 |
| *Ccr8* | 0,8217 | 0,336514 | -0,283316328 |
| *Cd36* | 0,8274 | 0,534445 | -0,273343137 |
| *Cd40* | 0,9615 | 0,786884 | -0,056641237 |
| *Cd68* | 0,9772 | 0,975382 | -0,033274231 |
| *Cd86* | 0,9461 | 0,788723 | -0,079935415 |
| *Cflar* | 1,2114 | 0,482786 | 0,276675317 |
| *Chuk* | 0,8766 | 0,541925 | -0,190009416 |

| ECTV vs control | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Creb1* | 0,8467 | 0,357689 | -0,240077206 |
| *Csf2* | 0,8217 | 0,336514 | -0,283316328 |
| *Cxcl10* | 0,4147 | 0,010591 | -1,269860048 |
| *Cxcl5* | 0,8217 | 0,336514 | -0,283316328 |
| *Cxcr5* | 0,8123 | 0,149095 | -0,299915451 |
| *Daxx* | 0,9054 | 0,650766 | -0,143372788 |
| *Ddx58* | 1,0644 | 0,958966 | 0,090040415 |
| *Ets2* | 0,8546 | 0,209773 | -0,226678778 |
| *Hdac9* | 0,7974 | 0,34211 | -0,32662449 |
| *Hmgb1* | 1,0305 | 0,789881 | 0,043344505 |
| *Icam1* | 0,5824 | 0,008824 | -0,779917739 |
| *Ido1* | 0,8217 | 0,336514 | -0,283316328 |
| *Ifit1* | 1,1755 | 0,531604 | 0,233274539 |
| *Ifnb1* | 0,8217 | 0,336514 | -0,283316328 |
| *Ifngr1* | 0,9862 | 0,901123 | -0,020047842 |
| *Ikbkb* | 0,8971 | 0,566751 | -0,156659283 |
| *Ikbke* | 0,4527 | 0,010334 | -1,143372788 |
| *Ikbkg* | 0,4965 | 0,008475 | -1,010134377 |
| *Il15* | 1,0093 | 0,953586 | 0,013355059 |
| *Il18* | 0,8625 | 0,647426 | -0,213403638 |
| *Il9* | 0,8217 | 0,336514 | -0,283316328 |
| *Irak1* | 0,9593 | 0,88127 | -0,059946038 |
| *Irak3* | 0,839 | 0,206032 | -0,253257284 |
| *Irf1* | 0,8606 | 0,193443 | -0,216585255 |
| *Irf2* | 0,8766 | 0,396661 | -0,190009416 |
| *Irf3* | 0,9181 | 0,617204 | -0,123276793 |
| *Irf5* | 0,7614 | 0,178038 | -0,393273525 |
| *Irf8* | 1,2716 | 0,328404 | 0,346644922 |
| *Jak1* | 1,0994 | 0,646682 | 0,136716384 |
| *Ltbr* | 1,1277 | 0,608658 | 0,173383321 |
| *Map2k3* | 0,9593 | 0,770533 | -0,059946038 |
| *Mapkapk2* | 1,0163 | 0,920971 | 0,023326332 |
| *Mavs* | 1,0521 | 0,89971 | 0,073271836 |
| *Mmd2* | 0,8217 | 0,336514 | -0,283316328 |
| *Mmp2* | 0,8217 | 0,336514 | -0,283316328 |
| *Mmp25* | 0,8217 | 0,336514 | -0,283316328 |
| *Mmp9* | 0,8217 | 0,336514 | -0,283316328 |
| *Mtor* | 1,0449 | 0,923134 | 0,063364879 |
| *Myd88* | 0,9395 | 0,768999 | -0,090034933 |
| *Nfat5* | 0,9374 | 0,532508 | -0,0932633 |
| *Nfix* | 0,8217 | 0,336514 | -0,283316328 |
| *Nfkb1* | 0,8507 | 0,597675 | -0,233277641 |
| *Nfkb2* | 0,395 | 0,01653 | -1,340075442 |
| *Nfkbia* | 0,4434 | 0,005844 | -1,173319325 |
| *Nfkbib* | 0,6814 | 0,026913 | -0,553426147 |
| *Nlrc5* | 0,9548 | 0,921309 | -0,066729528 |
| *Nlrp12* | 0,8217 | 0,336514 | -0,283316328 |
| *Otud7b* | 0,9461 | 0,743349 | -0,079935415 |
| *Rel* | 1,0281 | 0,895858 | 0,039980598 |
| *Relb* | 0,5129 | 0,012834 | -0,963250524 |
| *Snf8* | 0,9309 | 0,930681 | -0,103301897 |
| *Sp1* | 1,0305 | 0,858416 | 0,043344505 |
| *Sp110* | 0,8448 | 0,437815 | -0,24331826 |

| ECTV vs control | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Stap2* | 0,7774 | 0,373436 | -0,363270987 |
| *Stat1* | 0,9117 | 0,541575 | -0,133368919 |
| *Stat6* | 0,9615 | 0,858482 | -0,056641237 |
| *Syk* | 1,3787 | 0,209777 | 0,463308566 |
| *Tbk1* | 0,9931 | 0,975308 | -0,009989098 |
| *Tlr4* | 0,8428 | 0,304096 | -0,246737781 |
| *Tmem173* | 1,1783 | 0,51165 | 0,236706902 |
| *Tnfrsf11a* | 0,5 | 0,008603 | -1 |
| *Tnfrsf12a* | 0,5743 | 0,048308 | -0,800123533 |
| *Tnfrsf13c* | 0,8217 | 0,336514 | -0,283316328 |
| *Traf1* | 0,2031 | 0,001663 | -2,299737855 |
| *Traf2* | 0,7337 | 0,262713 | -0,44673781 |
| *Traf3* | 0,9013 | 0,484798 | -0,149920704 |
| *Traf6* | 1,1728 | 0,275573 | 0,229957009 |
| *Vegfb* | 1,2628 | 0,382737 | 0,336626166 |
| *Xbp1* | 0,8274 | 0,366386 | -0,273343137 |
| *Yy1* | 0,9885 | 0,990923 | -0,016687129 |
| *Rn18s* | 1 | 0 | |

The expression of the analyzed genes was evaluated using RT-qPCR. The cells were uninfected or infected with ECTV for 18 h. Significant changes ($p \leq 0.05$, $log_2$ fold change ≤ -1) in gene expression are shown in colors (blue-downregulation). *Rn18s* – reference gene. Data were obtained from three independent experiments.

**Supplementary Table 4**. Expression of genes involved in NF-κB signaling pathways in RAW 264.7 macrophages infected with ECTV and stimulated with poly(I:C) (18 hpi).

| ECTV/Poly(I:C) vs Poly(I:C) | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Aim2* | 0,6285 | 0,212908 | -0,67001535 |
| *Atf3* | 0,4774 | 0,022207 | -1,066729528 |
| *Bcl2* | 0,5023 | 0,172089 | -0,99337882 |
| *Bcl3* | 0,7405 | 0,301668 | -0,433428359 |
| *Birc2* | 0,4434 | 0,074796 | -1,173319325 |
| *Birc3* | 0,2343 | 0,030834 | -2,093571141 |
| *Ccl19* | 0,9977 | 0,912319 | -0,00332202 |
| *Ccl25* | 0,8332 | 0,585547 | -0,263265256 |
| *Ccr10* | 0,9977 | 0,912319 | -0,00332202 |
| *Ccr8* | 0,9977 | 0,912319 | -0,00332202 |
| *Cd36* | 0,8236 | 0,381239 | -0,279984265 |
| *Cd40* | 0,2387 | 0,035577 | -2,066729528 |
| *Cd68* | 0,4393 | 0,084845 | -1,186721595 |
| *Cd86* | 0,9977 | 0,912319 | -0,00332202 |
| *Cflar* | 0,5012 | 0,091022 | -0,99654168 |
| *Chuk* | 0,4665 | 0,048302 | -1,100051014 |
| *Creb1* | 0,5212 | 0,069633 | -0,940091011 |
| *Csf2* | 0,9977 | 0,912319 | -0,00332202 |
| *Cxcl10* | 0,2535 | 0,062131 | -1,979942348 |
| *Cxcl5* | 0,9977 | 0,912319 | -0,00332202 |
| *Cxcr5* | 0,6926 | 0,549072 | -0,529905707 |
| *Daxx* | 0,4147 | 0,061215 | -1,269860048 |
| *Ddx58* | 0,1032 | 0,038097 | -3,276485124 |
| *Ets2* | 0,483 | 0,047249 | -1,049904906 |
| *Hdac9* | 0,5421 | 0,056488 | -0,883369088 |

| ECTV/Poly(I:C) vs Poly(I:C) | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Hmgb1* | 0,8971 | 0,572062 | -0,156659283 |
| *Icam1* | 0,3914 | 0,034135 | -1,353284339 |
| *Ido1* | 0,9977 | 0,912319 | -0,00332202 |
| *Ifit1* | 0,08 | 0,060512 | -3,64385619 |
| *Ifnb1* | 0,9977 | 0,912319 | -0,00332202 |
| *Ifngr1* | 0,4931 | 0,104808 | -1,020047842 |
| *Ikbkb* | 0,4137 | 0,05596 | -1,273343137 |
| *Ikbke* | 0,2553 | 0,034131 | -1,969734557 |
| *Ikbkg* | 0,3157 | 0,008588 | -1,663373834 |
| *Il15* | 0,1715 | 0,018517 | -2,543719518 |
| *Il18* | 0,2606 | 0,165576 | -1,940091011 |
| *Il9* | 0,9977 | 0,912319 | -0,00332202 |
| *Irak1* | 0,531 | 0,138692 | -0,913216234 |
| *Irak3* | 0,5664 | 0,156333 | -0,820106829 |
| *Irf1* | 0,52 | 0,146167 | -0,943416472 |
| *Irf2* | 0,5421 | 0,120486 | -0,883369088 |
| *Irf3* | 0,5285 | 0,122142 | -0,920024623 |
| *Irf5* | 0,5212 | 0,092894 | -0,940091011 |
| *Irf8* | 0,5797 | 0,142175 | -0,786621609 |
| *Jak1* | 0,4988 | 0,23652 | -1,00346663 |
| *Ltbr* | 0,6492 | 0,190703 | -0,623265095 |
| *Map2k3* | 0,5371 | 0,080589 | -0,896737373 |
| *Mapkapk2* | 0,4313 | 0,038549 | -1,213236379 |
| *Mavs* | 0,5535 | 0,138558 | -0,853344778 |
| *Mmd2* | 0,9977 | 0,912319 | -0,00332202 |
| *Mmp2* | 0,9977 | 0,912319 | -0,00332202 |
| *Mmp25* | 0,9977 | 0,912319 | -0,00332202 |
| *Mmp9* | 0,0387 | 0,002466 | -4,691522623 |
| *Mtor* | 0,5285 | 0,14745 | -0,920024623 |
| *Myd88* | 0,5082 | 0,075377 | -0,976531719 |
| *Nfat5* | 0,5757 | 0,186766 | -0,796610883 |
| *Nfix* | 0,9977 | 0,912319 | -0,00332202 |
| *Nfkb1* | 0,4475 | 0,058497 | -1,160040413 |
| *Nfkb2* | 0,2558 | 0,014396 | -1,966911831 |
| *Nfkbia* | 0,2398 | 0,030497 | -2,060096436 |
| *Nfkbib* | 0,3415 | 0,027322 | -1,550042516 |
| *Nlrc5* | 0,5837 | 0,055837 | -0,776701027 |
| *Nlrp12* | 0,9977 | 0,912319 | -0,00332202 |
| *Otud7b* | 0,6142 | 0,061027 | -0,703219583 |
| *Rel* | 0,8179 | 0,45206 | -0,290003631 |
| *Relb* | 0,4774 | 0,065263 | -1,066729528 |
| *Snf8* | 0,577 | 0,112781 | -0,793356776 |
| *Sp1* | 0,6085 | 0,174744 | -0,716670832 |
| *Sp110* | 0,2248 | 0,022922 | -2,153286059 |
| *Stap2* | 0,1466 | 0,033616 | -2,770042991 |
| *Stat1* | 0,2845 | 0,038976 | -1,813499442 |
| *Stat6* | 0,473 | 0,075463 | -1,080087911 |
| *Syk* | 0,3439 | 0,026521 | -1,539938979 |
| *Tbk1* | 0,4852 | 0,048226 | -1,043348544 |
| *Tlr4* | 0,5561 | 0,111615 | -0,846583758 |
| *Tmem173* | 0,6358 | 0,247556 | -0,653355078 |
| *Tnfrsf11a* | 0,5023 | 0,038571 | -0,99337882 |
| *Tnfrsf12a* | 0,4323 | 0,090839 | -1,209895259 |

| ECTV/Poly(I:C) vs Poly(I:C) | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Tnfrsf13c* | 0,9977 | 0,912319 | -0,00332202 |
| *Traf1* | 0,2181 | 0,022437 | -2,196938325 |
| *Traf2* | 0,4414 | 0,066839 | -1,179841465 |
| *Traf3* | 0,7423 | 0,252861 | -0,429925726 |
| *Traf6* | 0,7137 | 0,206748 | -0,486610322 |
| *Vegfb* | 0,5046 | 0,064417 | -0,986787889 |
| *Xbp1* | 0,4676 | 0,048256 | -1,096653165 |
| *Yy1* | 0,6752 | 0,206195 | -0,566613191 |
| *Rn18s* | 1 | 0 | |

The expression of the analyzed genes was evaluated using RT-qPCR. The cells were uninfected and or infected with ECTV and were left untreated or treated with poly(I:C) for 18 h. Significant changes ($p \leq 0.05$, $\log_2$ fold change ≤ -1) in gene expression are shown in blue (downregulation). *Rn18s* – reference gene. Data were obtained from three independent experiments.

**Supplementary Table 5**. Expression of genes involved in NF-κB signaling pathways in RAW 264.7 macrophages infected with ECTV and stimulated with IFN+LPS (18 hpi).

| ECTV/IFN+LPS vs IFN+LPS | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Aim2* | 0,5409 | 0,017001 | -0,886566197 |
| *Atf3* | 0,4741 | 0,010668 | -1,076736702 |
| *Bcl2* | 0,2365 | 0,001898 | -2,080087911 |
| *Bcl3* | 0,6227 | 0,037635 | -0,683390816 |
| *Birc2* | 0,3618 | 0,006656 | -1,466735687 |
| *Birc3* | 0,1839 | 0,004017 | -2,443006615 |
| *Ccl19* | 1,0234 | 0,81205 | 0,033370138 |
| *Ccl25* | 0,6057 | 0,001724 | -0,723324683 |
| *Ccr10* | 1,0234 | 0,81205 | 0,033370138 |
| *Ccr8* | 1,0234 | 0,81205 | 0,033370138 |
| *Cd36* | 0,1856 | 0,000045 | -2,429731384 |
| *Cd40* | 0,1975 | 0,000941 | -2,340075442 |
| *Cd68* | 0,1684 | 0,001443 | -2,570035956 |
| *Cd86* | 0,1672 | 0,008808 | -2,580353247 |
| *Cflar* | 0,4024 | 0,000294 | -1,31329779 |
| *Chuk* | 0,3172 | 0,004748 | -1,656535324 |
| *Creb1* | 0,2117 | 0,004114 | -2,239906826 |
| *Csf2* | 0,0504 | 0,024532 | -4,310432456 |
| *Cxcl10* | 0,0167 | 0,083843 | -5,904008087 |
| *Cxcl5* | 1,0234 | 0,81205 | 0,033370138 |
| *Cxcr5* | 1,4473 | 0,191448 | 0,533363998 |
| *Daxx* | 0,1715 | 0,000065 | -2,543719518 |
| *Ddx58* | 0,0357 | 0,000326 | -4,807932116 |
| *Ets2* | 0,483 | 0,010502 | -1,049904906 |
| *Hdac9* | 0,722 | 0,067664 | -0,469929258 |
| *Hmgb1* | 0,4538 | 0,005938 | -1,139871486 |
| *Icam1* | 1,4044 | 0,174043 | 0,489953901 |
| *Ido1* | 1,0234 | 0,81205 | 0,033370138 |
| *SIfit1* | 0,0164 | 0,003422 | -5,930160375 |
| *Ifnb1* | 1,0234 | 0,81205 | 0,033370138 |
| *Ifngr1* | 0,3959 | 0,000768 | -1,336792028 |
| *Ikbkb* | 0,386 | 0,002503 | -1,373327247 |
| *Ikbke* | 0,1966 | 0,001655 | -2,346664773 |
| *Ikbkg* | 0,1627 | 0,006376 | -2,619713844 |

| ECTV/IFN+LPS vs IFN+LPS | | | |
|---|---|---|---|
| **Gene** | **Fold change** | ***p* value** | **$Log_2$ fold change** |
| *Il15* | 0,0994 | 0,003178 | -3,330610338 |
| *Il18* | 0,1101 | 0,006546 | -3,183113626 |
| *Il9* | 1,0234 | 0,81205 | 0,033370138 |
| *Irak1* | 0,3471 | 0,000436 | -1,52657673 |
| *Irak3* | 0,1822 | 0,002975 | -2,456405136 |
| *Irf1* | 0,2987 | 0,000473 | -1,743230857 |
| *Irf2* | 0,2264 | 0,002904 | -2,143054137 |
| *Irf3* | 0,2269 | 0,000139 | -2,139871486 |
| *Irf5* | 0,3172 | 0,001794 | -1,656535324 |
| *Irf8* | 0,1634 | 0,000034 | -2,613520111 |
| *Jak1* | 0,2859 | 0,000175 | -1,806417475 |
| *Ltbr* | 0,408 | 0,010363 | -1,293358943 |
| *Map2k3* | 0,5522 | 0,161258 | -0,856737207 |
| *Mapkapk2* | 0,2636 | 0,000016 | -1,923577725 |
| *Mavs* | 0,25 | 0,000927 | -2 |
| *Mmd2* | 1,0234 | 0,81205 | 0,033370138 |
| *Mmp2* | 1,0234 | 0,81205 | 0,033370138 |
| *Mmp25* | 0,2012 | 0,008294 | -2,31329779 |
| *Mmp9* | 0,3353 | 0,024132 | -1,576475612 |
| *Mtor* | 0,5129 | 0,003578 | -0,963250524 |
| *Myd88* | 0,4434 | 0,009862 | -1,173319325 |
| *Nfat5* | 0,2655 | 0,000185 | -1,913216234 |
| *Nfix* | 1,0234 | 0,81205 | 0,033370138 |
| *Nfkb1* | 0,3754 | 0,006904 | -1,413499445 |
| *Nfkb2* | 0,1525 | 0,002281 | -2,713118852 |
| *Nfkbia* | 0,0838 | 0,000774 | -3,576905946 |
| *Nfkbib* | 0,1917 | 0,000055 | -2,383077758 |
| *Nlrc5* | 0,15 | 0,000383 | -2,736965594 |
| *Nlrp12* | 1,0234 | 0,81205 | 0,033370138 |
| *Otud7b* | 0,7153 | 0,15712 | -0,483379653 |
| *Rel* | 0,3643 | 0,008452 | -1,4568011 |
| *Relb* | 0,6522 | 0,129553 | -0,616613654 |
| *Snf8* | 0,3345 | 0,019971 | -1,579921884 |
| *Sp1* | 0,3987 | 0,001931 | -1,32662449 |
| *Sp110* | 0,1568 | 0,000013 | -2,673002535 |
| *Stap2* | 0,1116 | 0,000085 | -3,163591068 |
| *Stat1* | 0,0273 | 0,000541 | -5,194955239 |
| *Stat6* | 0,3322 | 0,000669 | -1,589876022 |
| *Syk* | 0,198 | 0,001391 | -2,336427665 |
| *Tbk1* | 0,3106 | 0,000991 | -1,686870265 |
| *Tlr4* | 0,2349 | 0,00018 | -2,089881382 |
| *Tmem173* | 0,4414 | 0,024423 | -1,179841465 |
| *Tnfrsf11a* | 0,1805 | 0,00039 | -2,469929258 |
| *Tnfrsf12a* | 0,6001 | 0,040125 | -0,736725165 |
| *Tnfrsf13c* | 1,0234 | 0,81205 | 0,033370138 |
| *Traf1* | 0,0921 | 0,000318 | -3,440655033 |
| *Traf2* | 0,2932 | 0,000177 | -1,770042991 |
| *Traf3* | 0,5141 | 0,006526 | -0,959879083 |
| *Traf6* | 0,5 | 0,001708 | -1 |
| *Vegfb* | 0,3577 | 0,008124 | -1,483177977 |
| *Xbp1* | 0,1642 | 0,001041 | -2,606473968 |
| *Yy1* | 0,6814 | 0,087199 | -0,553426147 |
| *Rn18s* | 1 | 0 | |

The expression of the analyzed genes was evaluated using RT-qPCR. The cells were uninfected or infected with ECTV and were left untreated or treated with rmIFN-γ + *Escherichia coli* LPS O111:B4 for 18 h. Significant changes ($p \leq 0.05$, $\log_2$ fold change ≤ -1) in gene expression are shown in blue (downregulation). *Rn18s* – reference gene. Data were obtained from three independent experiments.