

## Favaro et al, Suppl. Table 1. Antibody list

| REAGENTS          | SOURCE          | IDENTIFIER   |
|-------------------|-----------------|--------------|
| Antibodies        |                 |              |
| b-actin (C4)      | Merck Millipore | #MAB1501R    |
| Caspase 3         | Cell Signaling  | #9662        |
| Caspase 8         | Abcam           | #ab138485    |
| FADD (H10)        | Santa Cruz      | #sc-271520   |
| IκBα              | Cell Signaling  | #4814        |
| p65 (D14E12)      | Cell Signaling  | #8242        |
| p-Akt (Ser473)    | Cell Signaling  | #9271        |
| p-ERK 1/2         | Cell Signaling  | #9101        |
| RIPK1             | BD Pharmingen   | #610458      |
| TNFR1             | Santa Cruz      | #sc-8436     |
| TRADD             | Santa Cruz      | #sc-7868     |
| TRAIL             | BD Pharmingen   | #556468      |
| TRAIL-R1          | Diadone         | #852.980.000 |
| TRAIL-R1(D9S1R) * | Cell Signaling  | #42533       |
| TRAIL-R1 APC      | Invitrogen      | #MA5-28607   |
| TRAIL-R2 (D4E9)   | Cell Signaling  | #8074S       |
| TRAIL-R2 FITC     | Invitrogen      | #MA1-19759   |

\*Antibody used only for validation of CRISPR-cas9 in A549 cells.

## Favaro et al, Suppl. Table 2. Oligonucleotide list and sequences

| Primers for qPCR                                 | Forward 5'>3'                                                                                             | Reverse 3'>5'                                                                       |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| CXCL8                                            | 5'-TTCACCAAATTGTGGAGCTTCAGT-3'                                                                            | 5'-CCTCAGGGCAAACCTGAGTCATC-3'                                                       |
| L32                                              | 5'-AACGTCAAGGAGCTGGAAG-3'                                                                                 | 5'-GGGTGGTGACTCTGATGG-3'                                                            |
| TNFSF10 (or TRAIL)                               | 5'-GTCTCTCTGTGTGGCTGTAAC -3'                                                                              | 5'-GGGCTGTTCACTCTCTTCG-3'                                                           |
|                                                  |                                                                                                           |                                                                                     |
| siRNA and gRNA                                   | Forward 5'>3'                                                                                             | SOURCE                                                                              |
| Non-Targeting (NT)                               | 5'- UAAGGCUAUGAGAGAUAC [dt][dt] -3'                                                                       | Designed by and ordered in Sigma                                                    |
| NT-Smart Pool (SP) –<br>OnTargetPlus siRNA pools | Cat#D-001810-01-05                                                                                        | Designed by and ordered in Dharmacon                                                |
| Casp8#1                                          | 5'- GGAGCUGCUCUCCGAAUU -3'                                                                                | Designed by and ordered in Sigma                                                    |
| Casp8#2                                          | 5'- AACUACCAGAAAGGUUACCU -3'                                                                              | Sullivan et al. 2020 Dev Cell                                                       |
| Casp8#3                                          | 5'- GUUCCUGAGCCUGGACUAC -3'                                                                               | Sullivan et al. 2020 Dev Cell                                                       |
| FADD#1                                           | 5'- GAUUGGAGAAGGCUGGCUC [dT][dT] -3'                                                                      | Sullivan et al. 2020 Dev Cell                                                       |
| FADD#2                                           | 5'- GAACUCAAGCUGCGUUUUAU [dT][dT] -3'                                                                     | Designed by and ordered in Sigma                                                    |
| IKKε                                             | 5'- GGUCUUAACACUACCAGC[dT][dT] -3'                                                                        | Designed by and ordered in Sigma                                                    |
| RIPK1                                            | 5'- CCACUAGUCUGACGGAUAAtt -3'                                                                             | Designed by and ordered in Sigma                                                    |
| RIPK1-SP –<br>OnTargetPlus siRNA pools           | Cat#L-004445-00-005                                                                                       | Designed and ordered in Dharmacon                                                   |
| TNFR1#1                                          | 5'- GGAACCUACUUGUACAAUGAC-3'                                                                              | Changhui et al. 2009 BioMed Res Int                                                 |
| TNFR1#2                                          | 5'- GCUGUGGACUUUUGUACAU-3'                                                                                | Guo et al. 2014 Protein Cell                                                        |
| TRADD#1                                          | 5'- GGAGGAUGCGCUGCGAAUUU[dT][dT] -3'                                                                      | Sullivan et al. 2020 Dev Cell                                                       |
| TRADD#2                                          | 5'- CUGGCUGAGCUGGAGGAUG[dA][dA] -3'                                                                       | Sullivan et al. 2020 Dev Cell                                                       |
| TRAIL#1                                          | 5'- AACGAGCUGAAGCAGAUGCAG -3'                                                                             | Designed by and ordered in Sigma                                                    |
| TRAIL#2                                          | 5'- UUGUUUGUCGUUCUUUGUGUU -3'                                                                             | Designed by and ordered in Sigma                                                    |
| TRAIL-R1 (or DR4) #1                             | 5'- CACCAAUGCUUCCAACAAU -3'                                                                               | Designed by and ordered in Sigma                                                    |
| TRAIL-R1 (or DR4) #2                             | 5'- AACGAGAUUCUGAGCAACGCA -3'                                                                             | Designed by and ordered in Sigma                                                    |
| TRAIL-R2 (or DR5) #1                             | 5'- GCUGUGGAGGAGACGGUGAUU -3'                                                                             | Designed by and ordered in Sigma                                                    |
| TRAIL-R2 (or DR5) #2                             | 5'- GACCCUUGUGCUCGUUGUCdTdT -3'                                                                           | Designed by and ordered in Sigma                                                    |
| TBK1                                             | 5'- GAACGUAGAUUAGCUUAUAUU -3'                                                                             | Designed by and ordered in Sigma                                                    |
| gRNA for TRAIL-R1 (DR4)                          | Seq#1 5'-GGGAGGATTGAACACGAGG-3'<br>Seq#2 5'- GAGGCAAGCAAACAAATTGT-3'<br>Seq#3 5'- AGGTCAAGGATTGTACGCCC-3' | Toronto KnockOut Library                                                            |
| gRNA for TRAIL-R2 (DR5)                          | 5'- CCTACCGCCATGGAACAACG-3'                                                                               | DeskGen Series CRISPR Library                                                       |
|                                                  |                                                                                                           |                                                                                     |
| Oligos for DPI                                   | Forward 5'>3'                                                                                             | Reverse 3'>5'                                                                       |
| CXCL8 promoter-NFκB binding site                 | 5'-<br>TGTCAGAGGAAATTCACGATTT-<br>GCAACTGATGGCCCATCCCCTCAGGGCAAAC<br>biotin tag-3'                        | 5'-<br>GTTTGCCCTGAGGGGATGGGCCATCAG-<br>TTGCAAATCGTGGAATTCCTCTGACA biotin<br>tag-3'  |
| CXCL8 promoter-halfCRE/CHOP<br>binding site      | 5'-<br>GAAAACTTTCGTCACTCCGTATTTGA-<br>TAAGGAACAAATAGGAAGTGTGATGACTCA biotin<br>tag-3'                     | 5'- TGAGTCATCACACTTCCTATTT-<br>GTTCTTATCAAATACGGAGTATGACGAA<br>GTTTTC biotin tag-3' |
| CXCL8 promoter-CRE binding site                  | 5'-<br>CCTGAGGGGATGGGCCATCAGTTGCAAATCGTG-<br>GAATTCCTCTGACATAATGA biotin tag-3'                           | 5'-<br>TCATTATGTCAGAGGAAATTCACGATTT-<br>GCAACTGATGGCCCATCCCCTCAGG biotin<br>tag-3'  |