

Supplementary Table 1. The values used to build graphs in (A) Figure 1, (B) Figure 2A and 2C, (C) Figure 3A, (D) Figure 4A, (E) Figure 5A, (F) Figure 6B.

A.

| cell | control | | RSV 12.5 μ M | | RSV 25 μ M | | RSV 50 μ M | |
|-------------|---------|------|------------------|-------|----------------|-------|----------------|------|
| | MCF-7 | A549 | MCF-7 | A549 | MCF-7 | A549 | MCF-7 | A549 |
| cell number | 100 | 100 | 91 | 91 | 77 | 21 | 45 | 2 |
| | 105 | 105 | 98 | 89 | 68 | 30 | 39 | 4 |
| | 98 | 104 | 101 | 85 | 73 | 28 | 41 | 5 |
| mean | 101 | 103 | 96.67 | 88.33 | 72.67 | 26.33 | 41.67 | 3.67 |
| S.D. | 2.944 | 2.16 | 4.19 | 2.494 | 3.682 | 3.859 | 2.494 | 1.25 |

B.

| cell | DMSO | | RSV 25 μ M | |
|-------------------|-------|------|----------------|-------|
| | MCF-7 | A549 | MCF-7 | A549 |
| positive cell (%) | 0.64 | 1.00 | 24.00 | 41.67 |
| | 0.78 | 1.04 | 40.00 | 50.00 |
| | 0.47 | 0.95 | 33.33 | 28.57 |
| mean | 0.63 | 0.99 | 32.44 | 40.08 |
| S.D. | 0.13 | 0.04 | 6.56 | 8.82 |

| cell | DMSO | | RSV 25 μ M | |
|---------------------|-------|------|----------------|------|
| | MCF-7 | A549 | MCF-7 | A549 |
| relative mRNA level | 1.4 | 1.2 | 3.78 | 2.37 |
| | 1.3 | 1.5 | 4.1 | 2.55 |
| | 1.1 | 1.2 | 3.5 | 2.8 |
| mean | 1.27 | 1.30 | 3.79 | 2.57 |
| S.D. | 0.12 | 0.14 | 0.25 | 0.18 |

C.

| | DMSO | 25 μ M RSV | 50 nM NS | 25 μ M RSV + 50 nM NS | mean | S.D. |
|-------------------------|------|----------------|----------|---------------------------|-------|-------|
| MCF-7 positive cell (%) | 0 | 33 | 10 | 10 | 13.25 | 12.11 |
| | 0 | 50 | 10 | 20 | 20.00 | 18.71 |
| | 10 | 50 | 20 | 25 | 26.25 | 14.74 |
| | 10 | 33 | 0 | 25 | 17.00 | 12.83 |
| | 0 | 50 | 0 | 20 | 17.50 | 20.46 |
| A549 positive cell (%) | 10 | 50 | 0 | 20 | 20.00 | 18.71 |
| | 0 | 33 | 10 | 33 | 19.00 | 14.44 |
| | 0 | 50 | 20 | 25 | 23.75 | 17.81 |
| | 10 | 25 | 10 | 20 | 16.25 | 6.50 |
| | 10 | 33 | 10 | 20 | 18.25 | 9.44 |

D.

| cell | MCF-7 | | | A549 | | |
|-----------------------|-------|-------|-----------|------|-------|-----------|
| condition | DMSO | NAC | NAC + RSV | DMSO | NAC | NAC + RSV |
| DCF positive cell (%) | 12.37 | 90.48 | 61.11 | 3.7 | 38.98 | 2.13 |
| | 0 | 85.71 | 10.43 | 1.16 | 56.32 | 9.62 |
| | 0 | 86.21 | 21.43 | 0 | 56.25 | 18.97 |
| | 0 | 54.55 | 13.89 | 0 | 63.16 | 23.86 |
| | 0 | 95.56 | 11.69 | 0 | 60.98 | 19.15 |
| | 0 | 56.47 | 16.13 | 0 | 53.28 | 10.2 |
| | 0 | 74.39 | 30.77 | 0 | 54.1 | 8.06 |
| | 0 | 71.88 | 58.06 | 0 | 55.3 | 12.1 |
| 0 | 85.71 | 21.43 | 0 | 53.8 | 13.5 | |
| mean | 1.37 | 77.88 | 27.22 | 0.54 | 54.69 | 13.07 |
| S.D. | 3.89 | 13.80 | 18.27 | 1.17 | 6.38 | 6.27 |

E.

| cell | MCF-7 | | A549 | |
|-------------------|--------|--------|-------|--------|
| condition | siCTL | siRad9 | siCTL | siRad9 |
| positive cell (%) | 30.769 | 13.636 | 50 | 11.905 |
| | 35.294 | 12.121 | 55.56 | 10 |
| | 46.154 | 18.75 | 55.56 | 10.256 |
| mean | 37.41 | 14.84 | 53.70 | 10.72 |
| S.D. | 6.46 | 2.84 | 2.62 | 0.84 |

F.

| cell | MCF-7 | | | | A549 | | | |
|-------------|-------|----------------|-------|--------|--------|----------------|-------|--------|
| condition | DMSO | RSV 25 μ M | siCTL | siRad9 | DMSO | RSV 25 μ M | siCTL | siRad9 |
| cell number | 77 | 34 | 44 | 67 | 110 | 45 | 37 | 88 |
| | 82 | 31 | 59 | 74 | 105 | 51 | 21 | 65 |
| | 72 | 47 | 50 | 81 | 97 | 47 | 56 | 105 |
| mean | 77.00 | 37.33 | 51.00 | 74.00 | 104.00 | 47.67 | 38.00 | 86.00 |
| S.D. | 4.08 | 6.94 | 6.16 | 5.72 | 5.35 | 2.49 | 14.31 | 16.39 |