

## SUPPLEMENTARY TABLES

**Supplementary Table 1. Sequences of cell transfection.**

| Item                 | Sequence (5'–3')                                  |
|----------------------|---|
| NC mimic             | GACGAUGACGUAGCGAUGAC                              |
| NC inhibitor         | AUGCGACGCGAUGCAGUAGUC                             |
| miR-873-5p mimic     | GCAGGAACUUGUGAGUCUCCU                             |
| miR-873-5p inhibitor | AGGAGACUCACAAGUUCUGC                              |
| sh-NC                | ACGTAGCAGTAGACGTCCGACCGAAGTCGGACGTCTACTGCTACGT    |
| sh-HMOX1-1           | GGGTGATAGAAGAGGCCAAGACGAATCTTGGCCTCTTCTATCACCC    |
| sh-HMOX1-2           | GCTCAACATCCAGCTCTTTGACGAATCAAAGAGCTGGATGTTGAGC    |
| sh-HIF1 $\alpha$ -1  | GGAAATGAGAGAAATGCTTACCGAAGTAAGCATTCTCTCATTTC      |
| sh-HIF1 $\alpha$ -2  | GCCGAGGAAGAAGACTATGAACACGAATGTTTCATAGTTCTTCCTCGGC |
| sh-SPOP              | GGTGCTACACACAGATCAAGGCGAACCTTGATCTGTGTGTAGCACC    |

**Supplementary Table 2. Primer sequences for the RT-qPCR.**

| Target         | Primer sequence (5'–3')  |
|----------------|--|
| miR-873-5p     | Forward: 5'-GCAGGAACCTGTGAGTCTCCT-3'<br>Reverse universal primer           |
| HMOX1          | Forward: 5'-AGTCTTCGCCCCTGTCTACT-3'<br>Reverse: 5'-CTTCACATAGCGCTGCATGG-3' |
| SPOP           | Forward: 5'-CAAGGCAAAGACTGGG-3'<br>Reverse: 5'-AACACTCACCTCGCAGA-3'        |
| GAPDH          | Forward: 5'-TGGGTGTGAACCATGAGAAG-3'<br>Reverse: 5'-GCTAAGCAGTTGGTGGTGC-3'  |
| HIF1- $\alpha$ | Forward: 5'-GGCGGAACGACAAGAAAAA-3'<br>Reverse: 5'-GTGGCAACTGATGAGCAAGC-3'  |
| U6             | Forward: 5'-GCTTCGGCAGCACATATACT-3'<br>Reverse universal primer            |

**Supplementary Table 3. Primary antibodies used for Western blot.**

| Antibody      | Product No. | Brand | City      | Country |
|---------------|-------------|-------|-----------|---------|
| HMOX1         | ab52947     | Abcam | Cambridge | UK      |
| HIF1 $\alpha$ | ab51608     | Abcam | Cambridge | UK      |
| SPOP          | ab137537    | Abcam | Cambridge | UK      |
| CCND1         | ab16663     | Abcam | Cambridge | UK      |
| MYC           | ab32072     | Abcam | Cambridge | UK      |
| MMP-7         | ab5706      | Abcam | Cambridge | UK      |
| E-cadherin    | ab40772     | Abcam | Cambridge | UK      |
| GAPDH         | ab9485      | Abcam | Cambridge | UK      |
| N-cadherin    | ab76011     | Abcam | Cambridge | UK      |