

SUPPLEMENTARY TABLES

Supplementary Table 1. Sequences of shRNAs for PRMT5 and TRIM21.

| Target | Sequence |
|----------|-----------------------|
| PRMT5#1 | GGGACTGGAATACGCTAATTG |
| PRMT5#3 | GGCTGACCTCCCATCTAATCA |
| TRIM21#1 | CAGCACGCTTGACAATGAT |
| TRIM21#2 | GACTTCACCTGTTCTGTGA |

Supplementary Table 2. List of the primers used for the plasmids construction.

| Target gene | Foward | Reverse |
|----------------------|--------------------------------------|---------------------------------------|
| HA-TRIM21 | CCGAATTCTCATGGCTTCAGCAGCACGC | CCGGTACCATAGTCAGTGGATCCTTGTGATCC |
| HA-mTRIM21 | GTCGAATTCTCCAGCGCTTTCTGCTCAAGA AT | CCGGTACCATAGTCAGTGGATCCTTGTGATCC |
| Myc-VC155- TRIM21 | CCGAATTCTCATGGCTTCAGCAGCACGC | CCGGTACCATAGTCAGTGGATCCTTGTGATCC |
| HA-PRMT5 | CCGAATTCGGAGAAAGATGGCGGCGATG | CCGCTCGAGCGGGCAGGGCTAGAGGCCAATG GT |

Supplementary Table 3. List of the siRNAs sequences targeting PRMT5, p21 and TXNIP.

| Target gene | Forward | Reverse |
|-------------|------------------------|------------------------|
| PRMT5#1 | CCGGACUUUGUGUGACUAUTT | AUAGUCACACAAAGUCCGGTT |
| PRMT5#2 | CAGCAGGCCAUCUAUAAAUTT | AUUUAUAGAUGGCCUGCUGTT |
| PRMT5#3 | CCAGUUUGAGAUGCCUUAUTT | AUAAGGCAUCUCAAAACUGGTT |
| PRMT5#4 | GGUGAACACAGUACUACAUTT | AUGUAGUACUGUGUUCACCTT |
| p21#4 | GGAACAAGGAGUCAGACAUTT | AUGUCUGACUCCUUGUUCCTT |
| TXNIP#1 | GAGACCUGGAAACAAAUAUTT | AUAUUUGUUUCCAGGUCUCTT |
| TXNIP#2 | GUCAGAGGCCAAUCAUAUUATT | UAAUAUGAUUGCCUCUGACTT |

Supplementary Table 4. List of the primers used for the real-time PCR.

| Target gene | Foward | Reverse |
|-------------|------------------------|------------------------|
| CXCL-1 | ACTCAAGAATGGGCGGAAAGC | TCAGGAACAGCCACCAGTGAG |
| CXCL-2 | TCGCACAGCCGCTCGAAC | GGGGGACTTCACCTTCACACTT |
| CXCL-3 | GTGTGAATGTAAGGTCCCCCG | ATTTTCAGCTCTGGTAAGGGC |
| IL-6 | AGTGAGGAACAAGCCAGAGC | AGCTGCGCAGAATGAGATG |
| IL-8 | CAGTTTTGCCAAGGAGTGCT | GTTTTCTTGGGGTCCAGAC |
| TNF-a | CCAGACCAAGGTCAACCTCC | CAGACTCGGCAAAGTCGAG |
| ICAM-1 | CGACTGGACGAGAGGGATTG | GGAGAGCACATTACGGTC |
| CCL2 | TCTCAAACCTGAAGCTCGCACT | GGGAATGAAGGTGGCTGCTA |
| p21 | AGGGGACAGCAGAGGAAGA | GGCGTTTGGAGTGGTAGAAAT |
| TXNIP | GCCACACTTACCTTGCCAAT | TGATCTTCTGAACCCGAAGG |
| TRIM21 | CCAATCCGTGGCTGATACTT | GCACCCAGGACCATAGGATA |
| GAPDH | CCCTGTTGCTGTAGCCAAAT | CTGACTTCAACAGCGACACC |