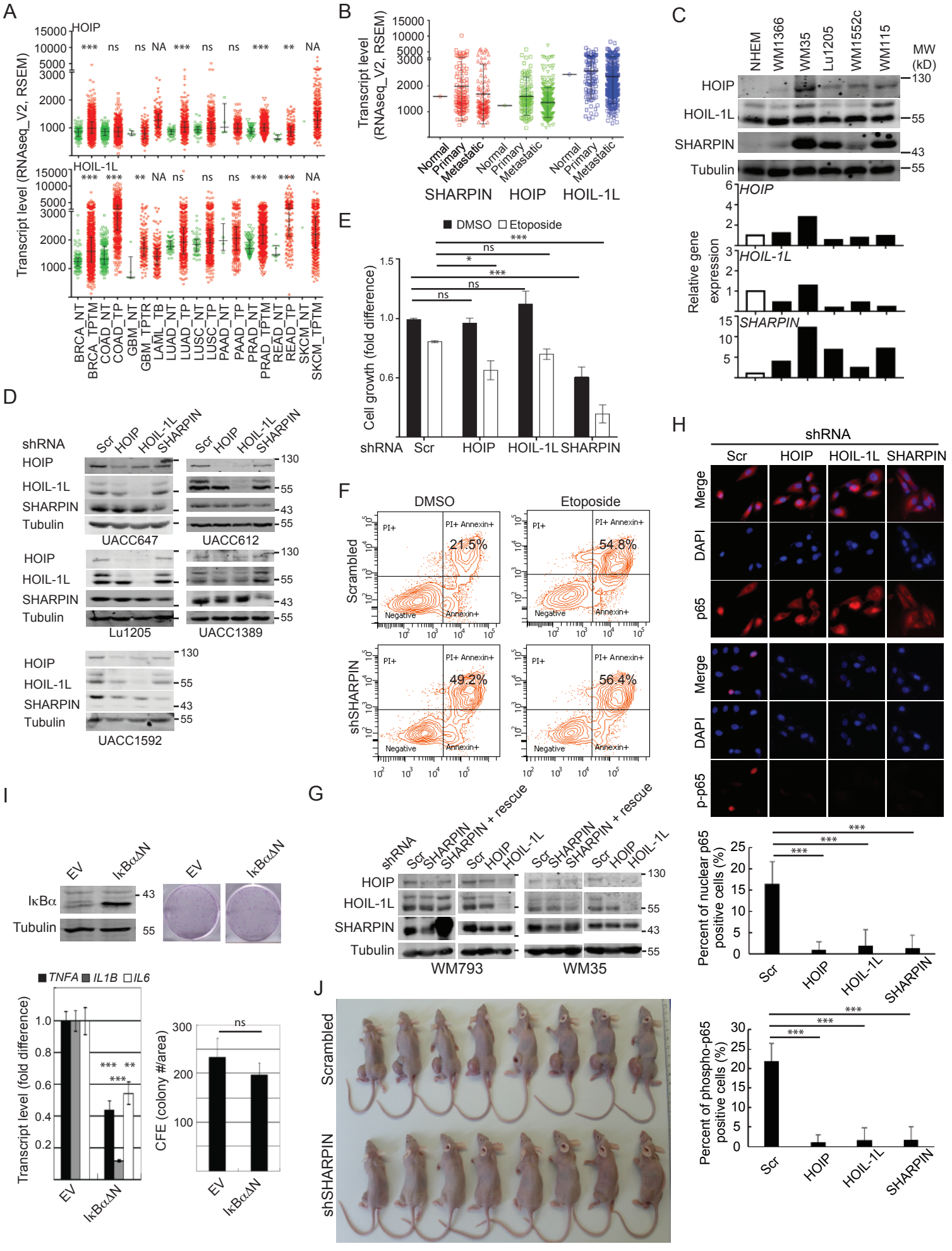
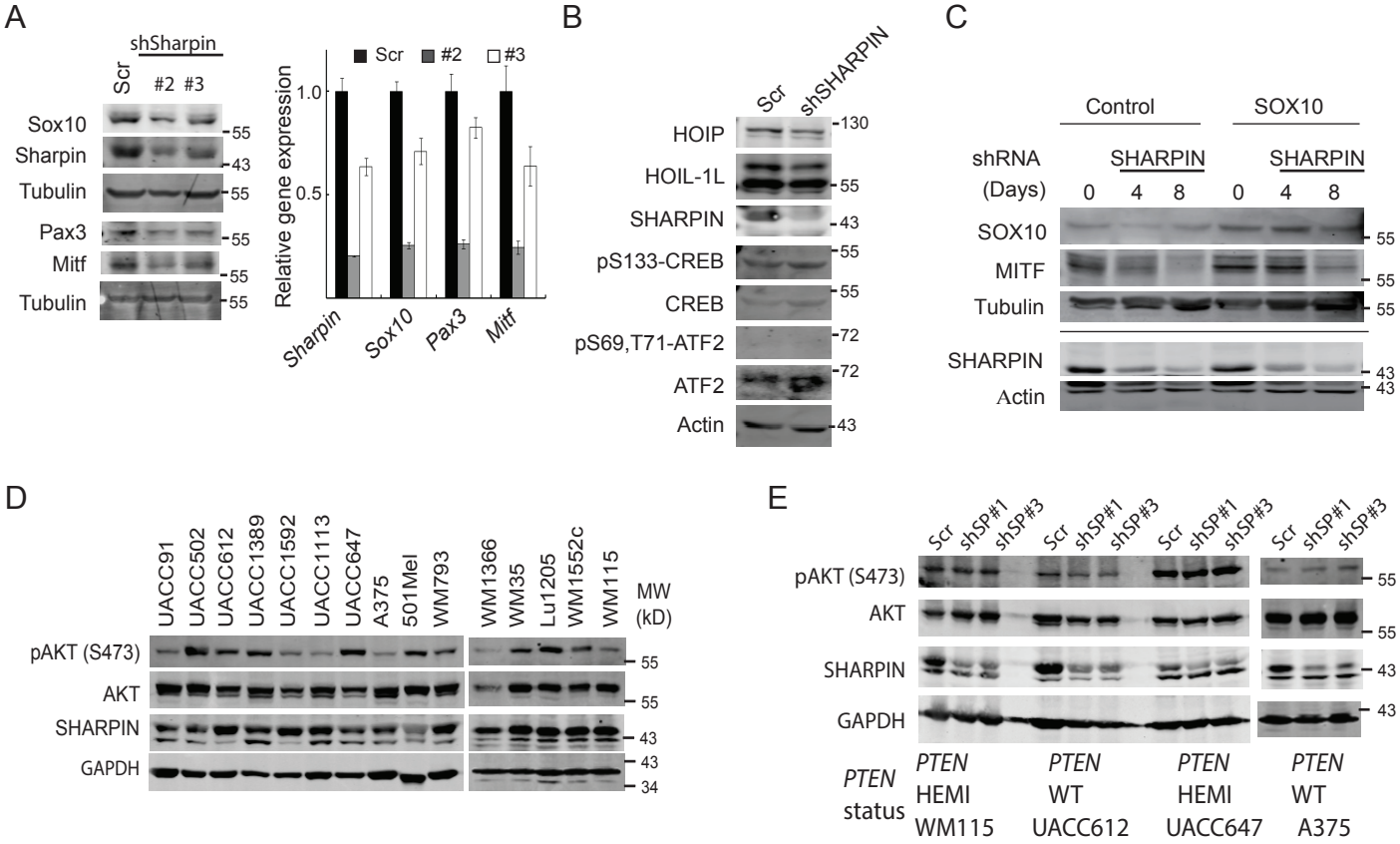
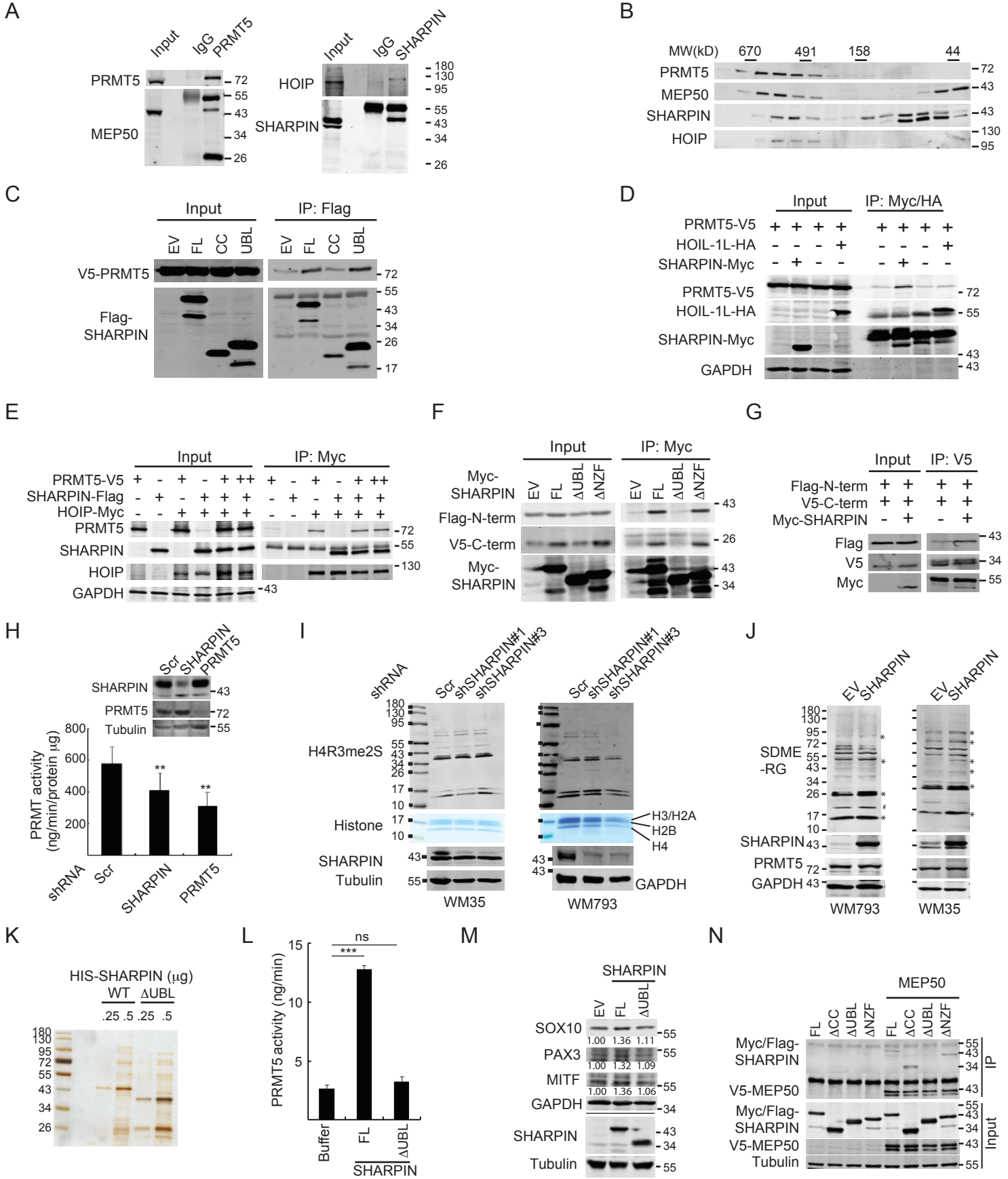
Supplementary Figure S1, Tamiya et al.



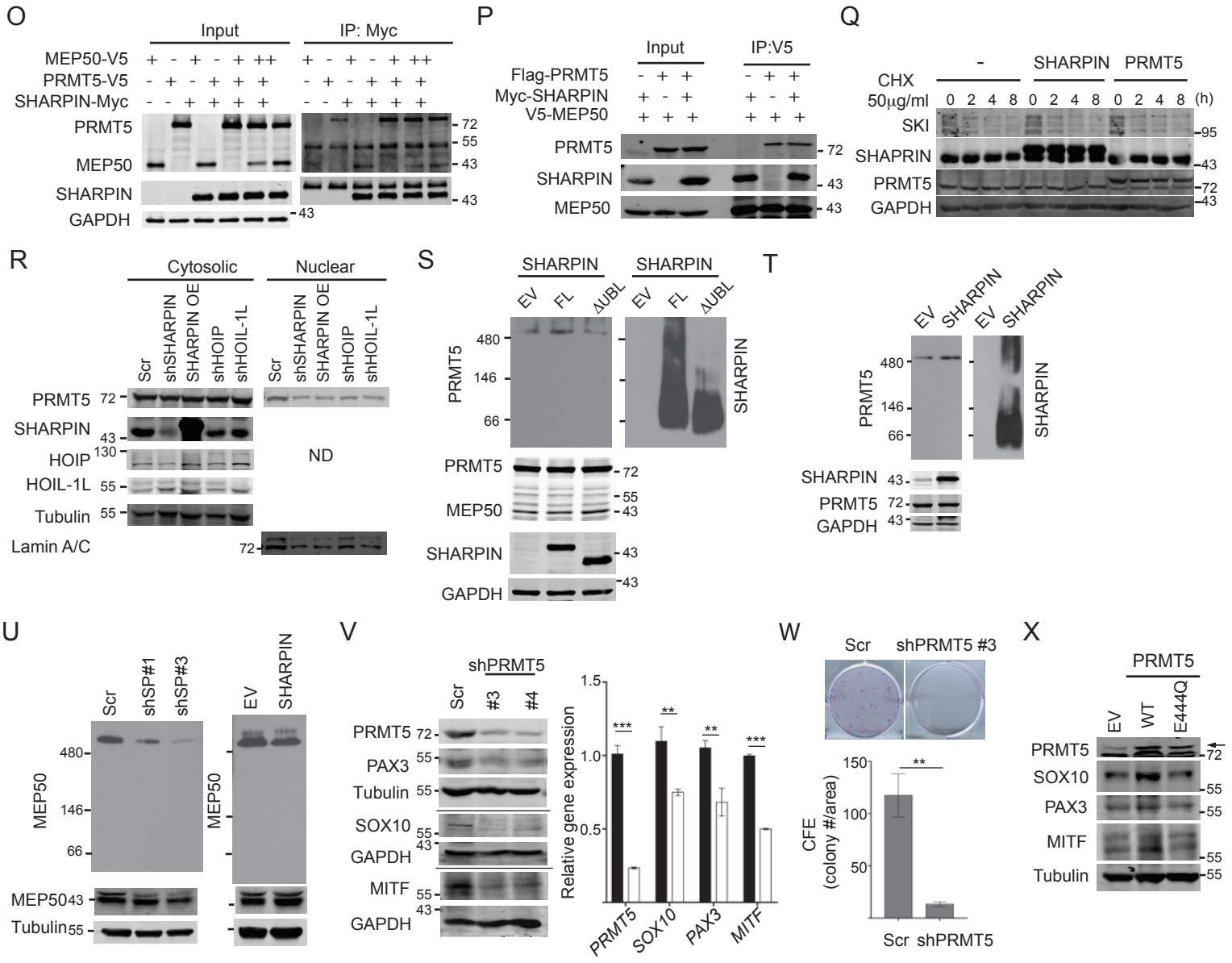
Supplementary Figure S2, Tamiya et al.



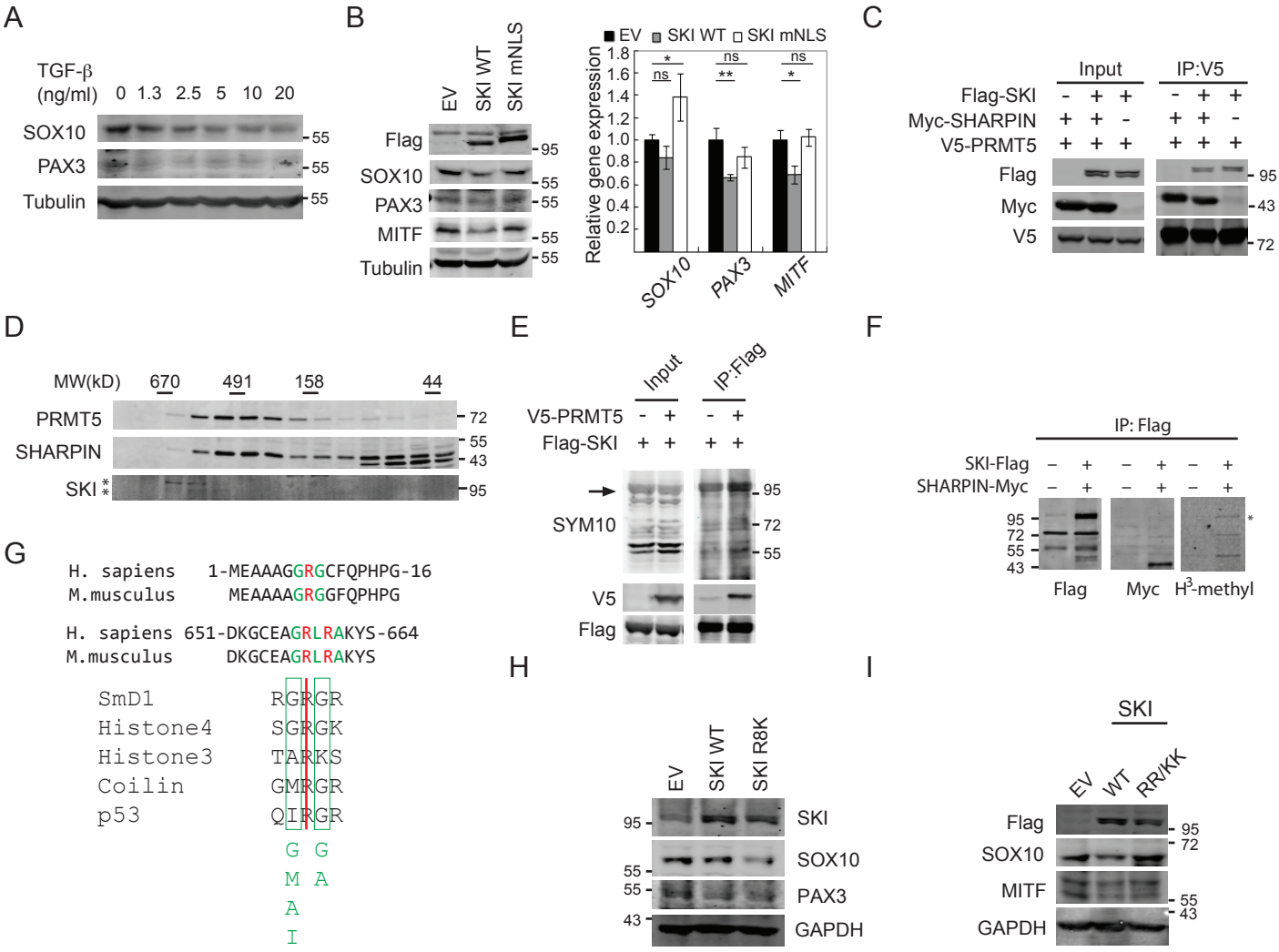
Supplementary Figure S3, Tamiya et al.



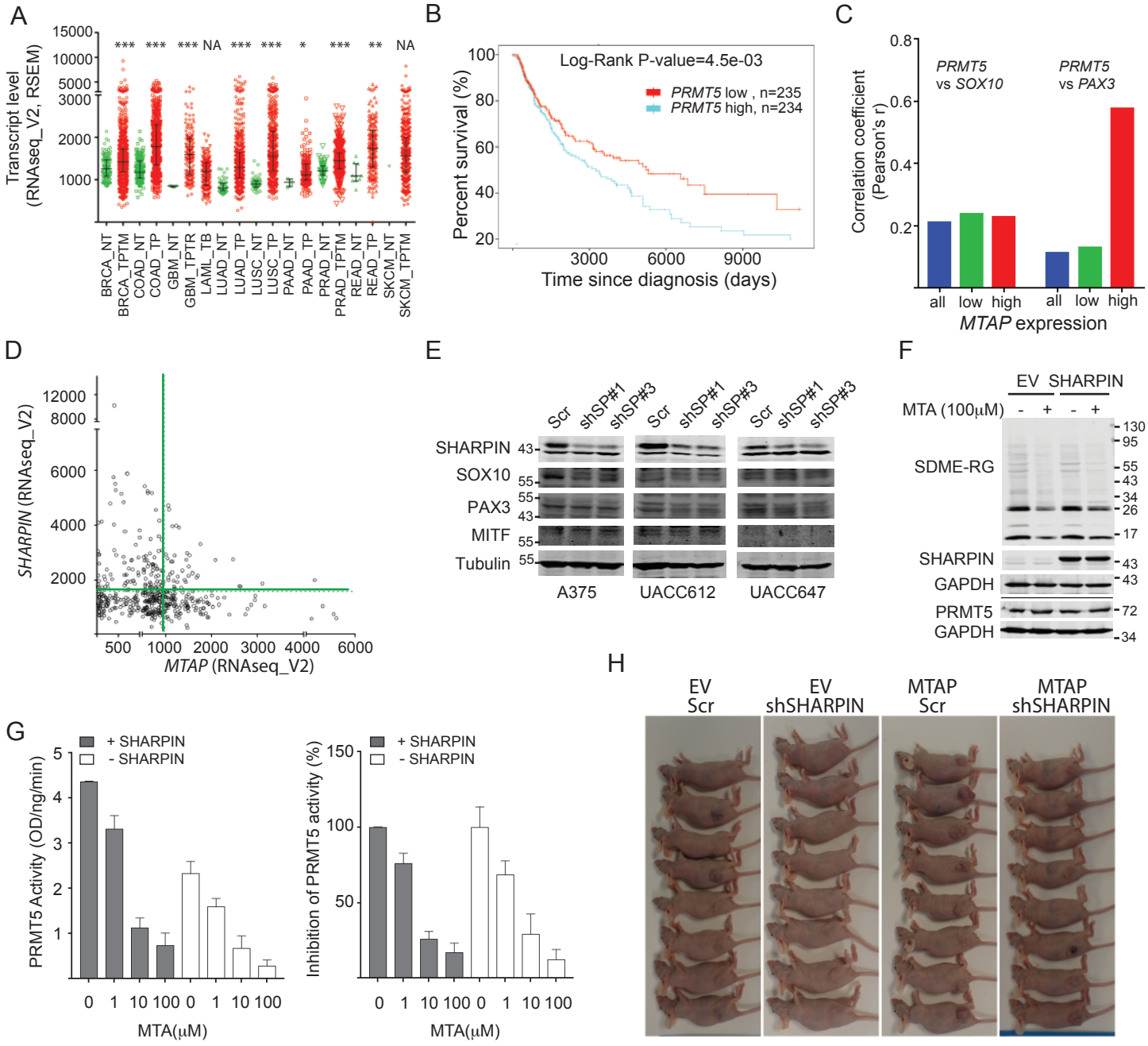
Supplementary Figure S3, Tamiya et al.



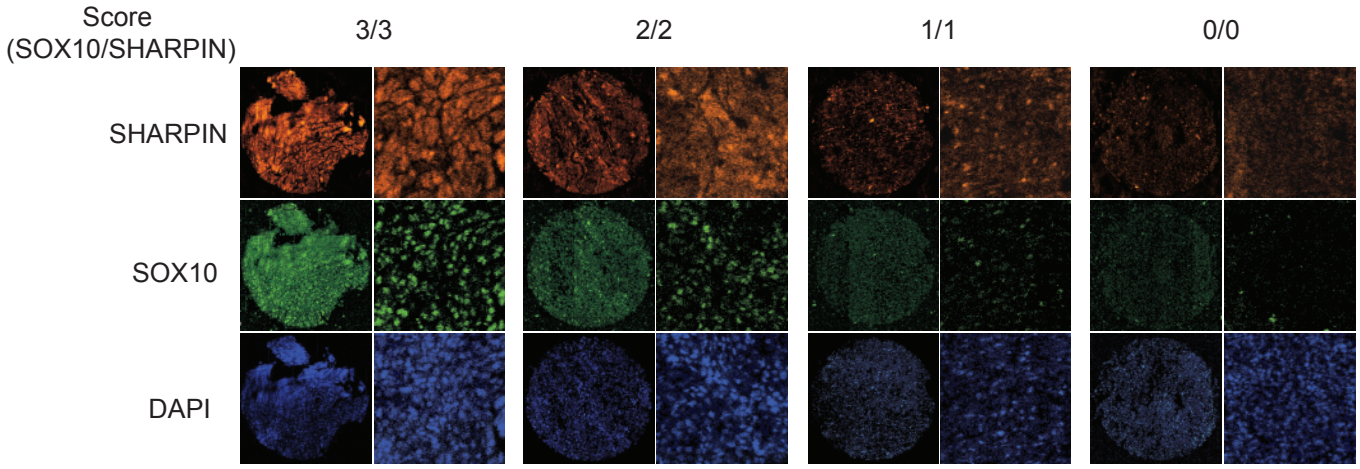
Supplementary Figure S4, Tamiya et al.



Supplementary Figure S5, Tamiya et al.



Supplementary Figure S6, Tamiya et al.



Supplementary Table S1, Tamiya et al.

Candidate protein	Control	SHARPIN
SHARPIN	0	168.33
Myosin-9 (MYH9)	2	56.33
Myosin-10 (MYH10)	0.33	29.33
Glutathione S-transferase P (GSTP1)	6	25.33
Vimentin OS=Homo sapiens (VIM)	7.33	23
Clathrin heavy chain 1 (CLTC)	0.33	22.33
Heat shock cognate 71 kDa protein (HSPA8)	10	18.67
Tubulin alpha-1A chain (TUBA1A)	3.67	13.33
60 kDa heat shock protein, mitochondrial (HSPD1)	6.33	13.33
78 kDa glucose-regulated protein (HSPA5)	7.67	13
Protein arginine N-methyltransferase 5 (PRMT5)	6.67	12.67
E3 ubiquitin-protein ligase RNF31 (RNF31)	0	11.33
X-ray repair cross-complementing protein 6 (XRCC6)	1	11.33
Serum albumin (ALB)	4	10.33
Methylosome protein 50 (WDR77)	6	9.67
Stress-70 protein, mitochondrial (HSPA9)	4.67	9.67
Myosin regulatory light chain 12A (MYL12A)	0.33	9.67
Myosin regulatory light chain 12B (MYL12B)	0.33	9.67
Glyceraldehyde-3-phosphate dehydrogenase (GAPDH)	3.67	9
Heterogeneous nuclear ribonucleoprotein U (HNRNPU)	1.67	8.67
RNA-binding protein 10 (RBM10)	4.33	8
Gelsolin (GSN)	0.33	7.67
U4/U6 small nuclear ribonucleoprotein Prp31 (PRPF31)	4.67	7.33
X-ray repair cross-complementing protein 5 (XRCC5)	0.67	7
Gamma-interferon-inducible protein 16 (IFI16)	0.33	6.33
Cytoplasmic dynein 1 heavy chain 1 (DYNC1H1)	4.33	6.33
Bifunctional polynucleotide phosphatase/kinase (PNKP)	0	6
Melanocyte protein PMEL (PMEL)	1.67	6
Poly [ADP-ribose] polymerase 1 (PARP1)	0.67	6
ADP/ATP translocase 1 (SLC25A4)	2	5.33
RanBP-type and C3HC4-type zinc finger-containing protein 1 (RBCK1)	0	5

Supplementary Table S2, Tamiya et al.

human	q-PCR primers
GAPDH	AGGGCTGCTTTTAACTCTGGT
	CCCCACTTGATTTTGGAGGGA
HOIP	CTTTCTTCCCCTAATCCTGCAAG
	CCCAAGGCTCATTTAGCATGG
HOIL-1L	AAACACCAAGCACTCTCAGC
	ACTGTGCAGTCTCCTTCCTG
SHARPIN	GTGGCCCTTCCCTCACAAGTCCGAC
	CCCAACCCTGGTGACTGTCCCAGCA
SOX10	CCAGTACCCGCACCTGCAC
	CTTTCGTTCAGCAGCCTCCAG
PAX3	GGAACTGGAGCGTGCTTTTG
	GGCGGTTGCTAAACCAGAC
MITF	CCGTCTCTCACTGGATTGGT
	TGGGTCTGCACCTGATAGTG
SILV	GCTGATCGTGGGCATCTTG
	AGTGACTGCTGCTATGTGG
TYR	GCTGCCAATTTCAGCTTTAGA
	CCGCTATCCCAGTAAGTGGA
DCT	CTCAGACCAACTTGGCTACAGC
	CAACCAAAGCCACCAGTGTTCC
MLANA	GGACAGCAAAGTGTCTCTTCAAG
	TCAGGTGTCTCGCTGGCTCTTA
ST7	CCACTTGGCCTTCTCTTTC
	GGTCCCTACAAGTGGCTTT
RBL2	GAAGTTCGTGCTGATACTGGAGG
	AATAGCCGCCTTCTGGTAGTGC
SKI	CAGGAGCTGGAGTTCCTACG
	GTGACTCGTTGGCCTCTTTC
MTAP	GTCATAGTGACCACAGCTTGTGG
	CCTCTGGCACAAGAATGACTTCC
TNFA	AGGCGCTCCCCAAGAAGACA
	TCCTTGGCAAAACTGCACCT
IL1B	ATGATGGCTTATTACAGTGGCAA
	AGTCGGAGATTCGTAGCTGGA
IL6	ACTCACCTCTTCAGAACGAATTG
	CCATCTTTGGAAGGTTCAGGTTG
PRMT5	GAAGAATGGGGAAGCCAAGT
	ATGGGAGCCAGAAAGGAAGT

mouse	q-PCR primers
Gapdh	CATCACTGCCACCCAGAAGACTG
	ATGCCAGTGAGCTTCCCGTTCAG
Sox10	CAGGTGTGGCTCTGCCCACG
	GTGTAGAGGGGCCGCTGGGA
Pax3	TGCCCTCAGTGAGTTCTATCAGC
	GCTAAACCAGACCTGCACTCGGGC
Mitf	AGATTTGAGATGCTCATCCCC
	GATGCGTGATGTCATAGTGGA

	ChIP primers
ST7	CCACCCAAATCTTGCTGAAT
	AGGATTCAGGCTCAGGGAAT
SOX10	GACCCTCACCGCCTTCAC
	CGAGACTGACTGAGCGACTG
PAX3	TGGGGCTGTCTCTCTCAGTT
	TTACCCAAAGCTTGGTCAGG