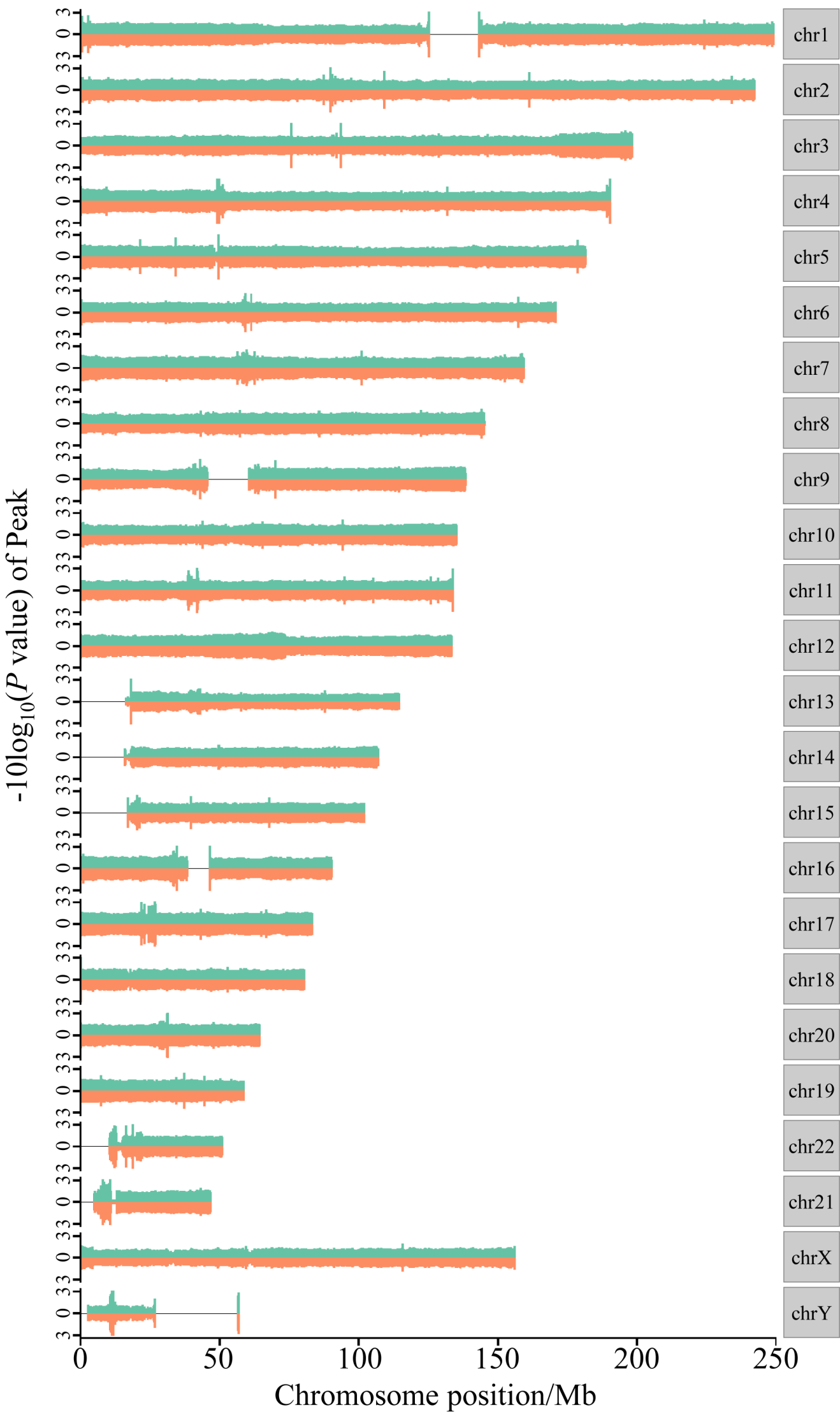
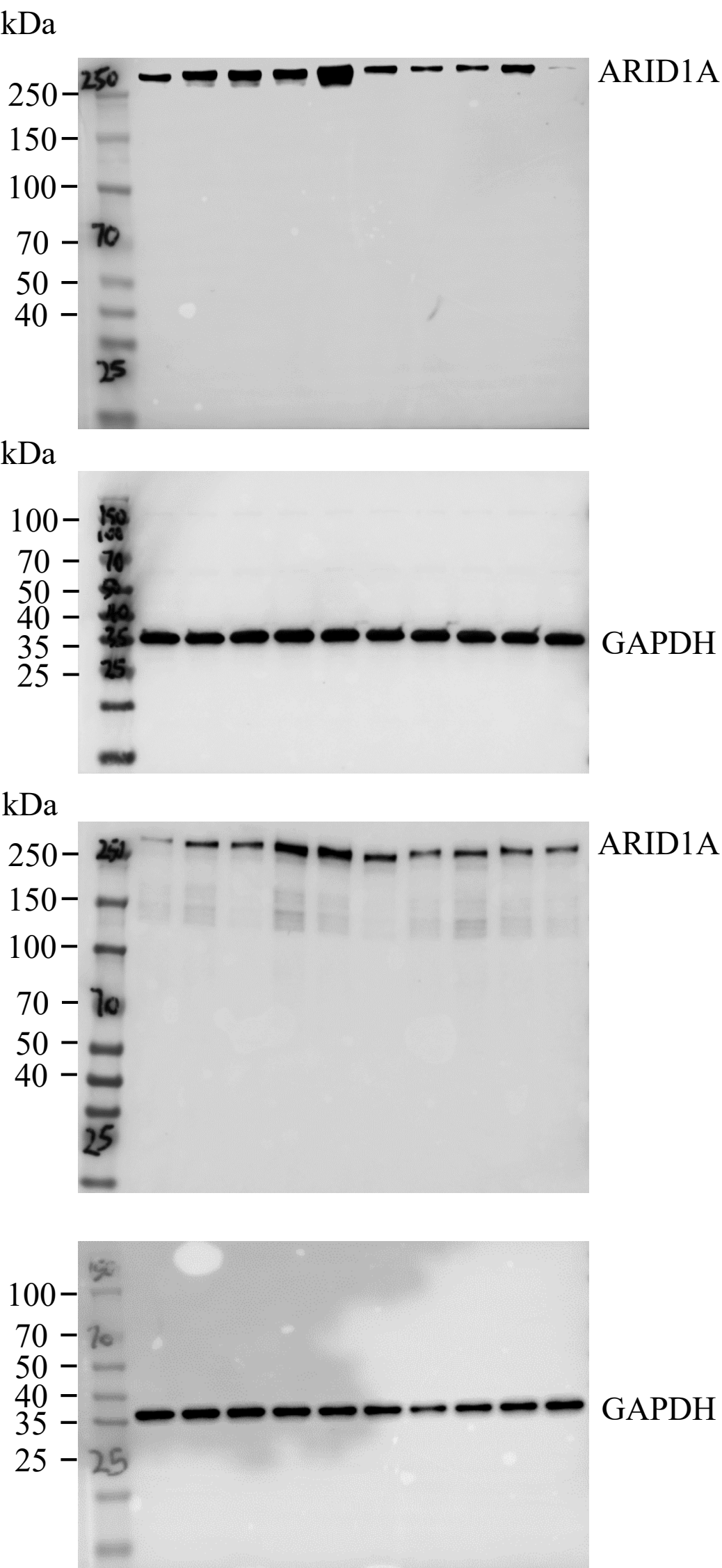


ChIP Peaks over Chromosomes



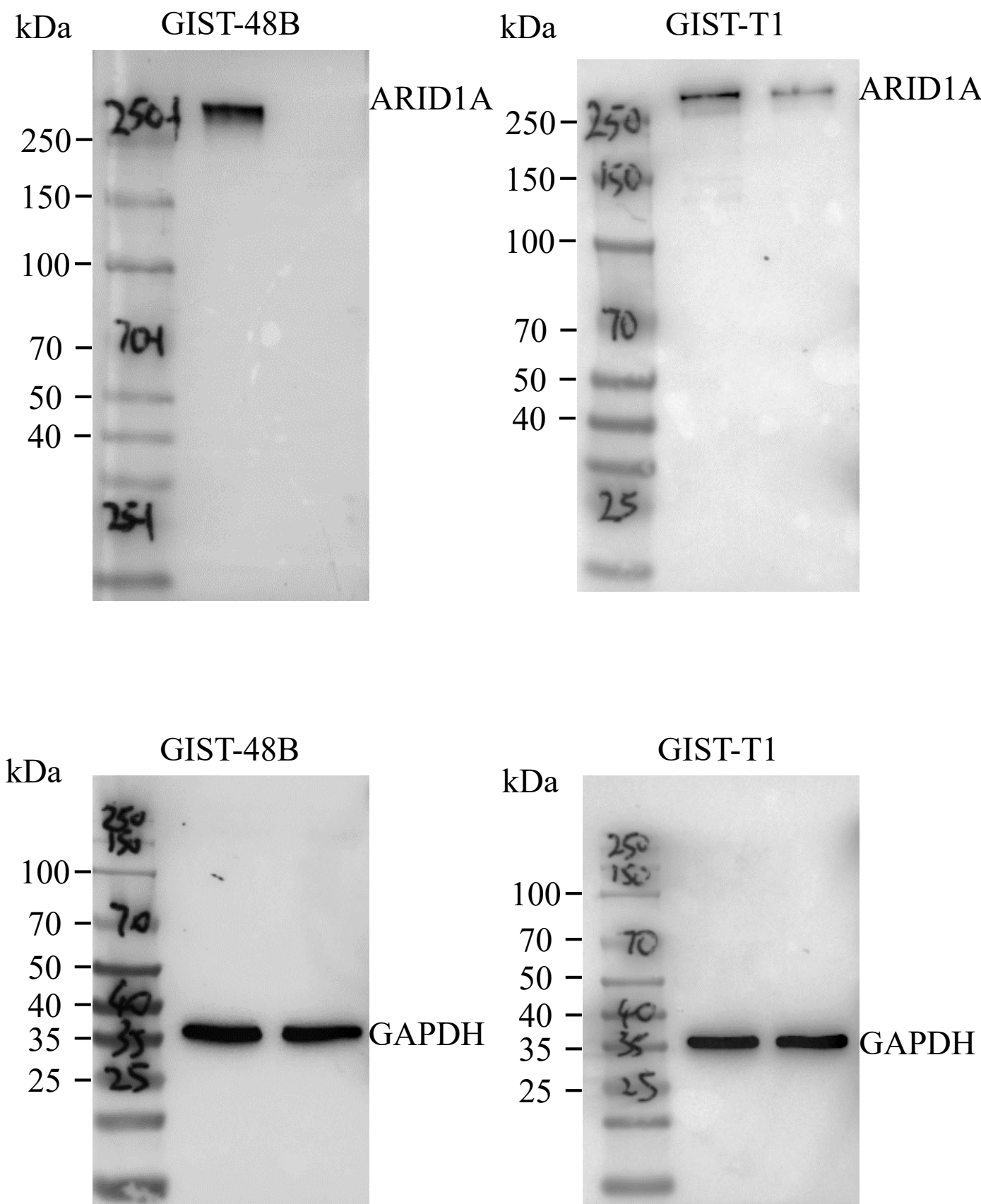
Supplementary Figure 1. Chromosome distribution of ARID1A ChIP-seq samples.

Figure. 1A



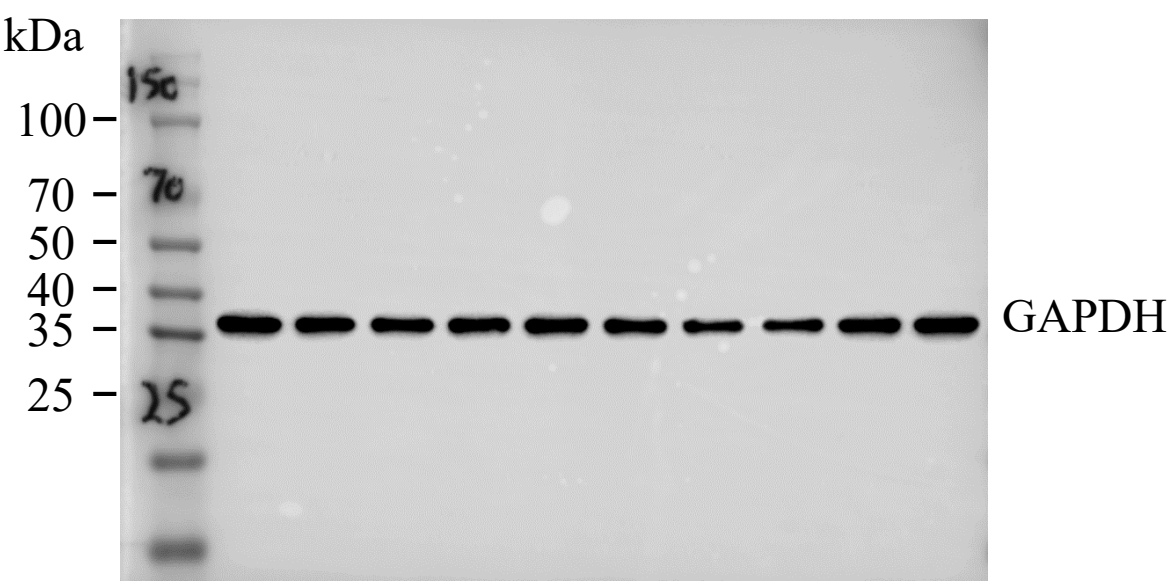
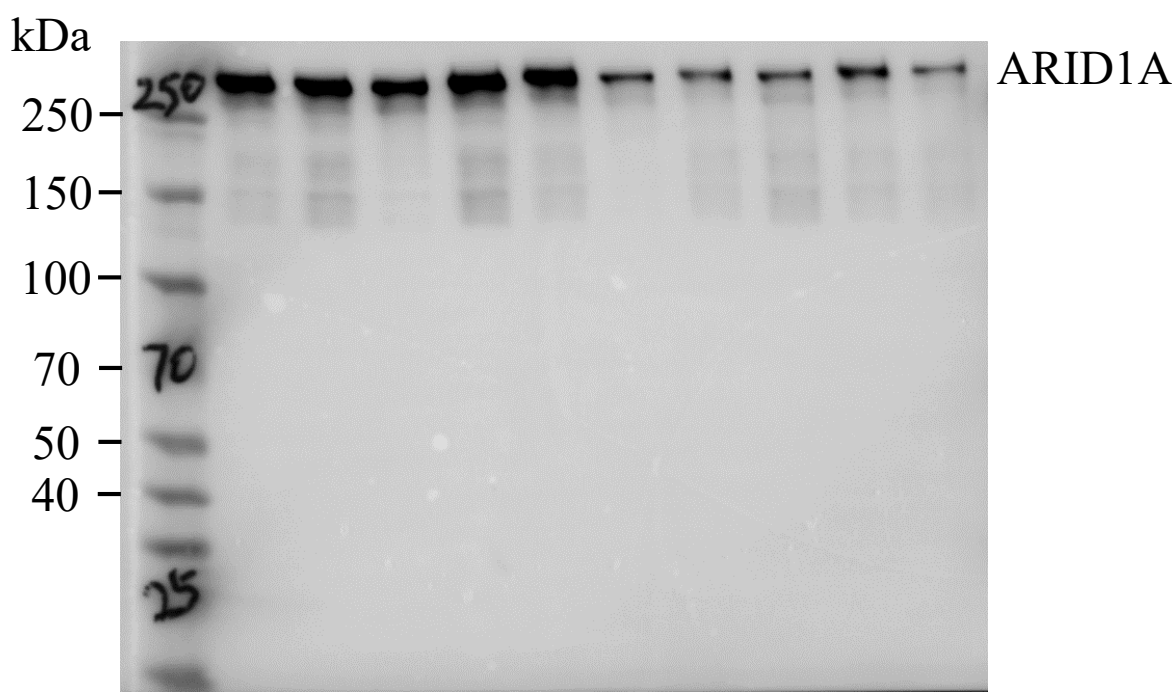
Supplementary Figure 2. The full uncropped Gels and Blots images

Figure. 2B



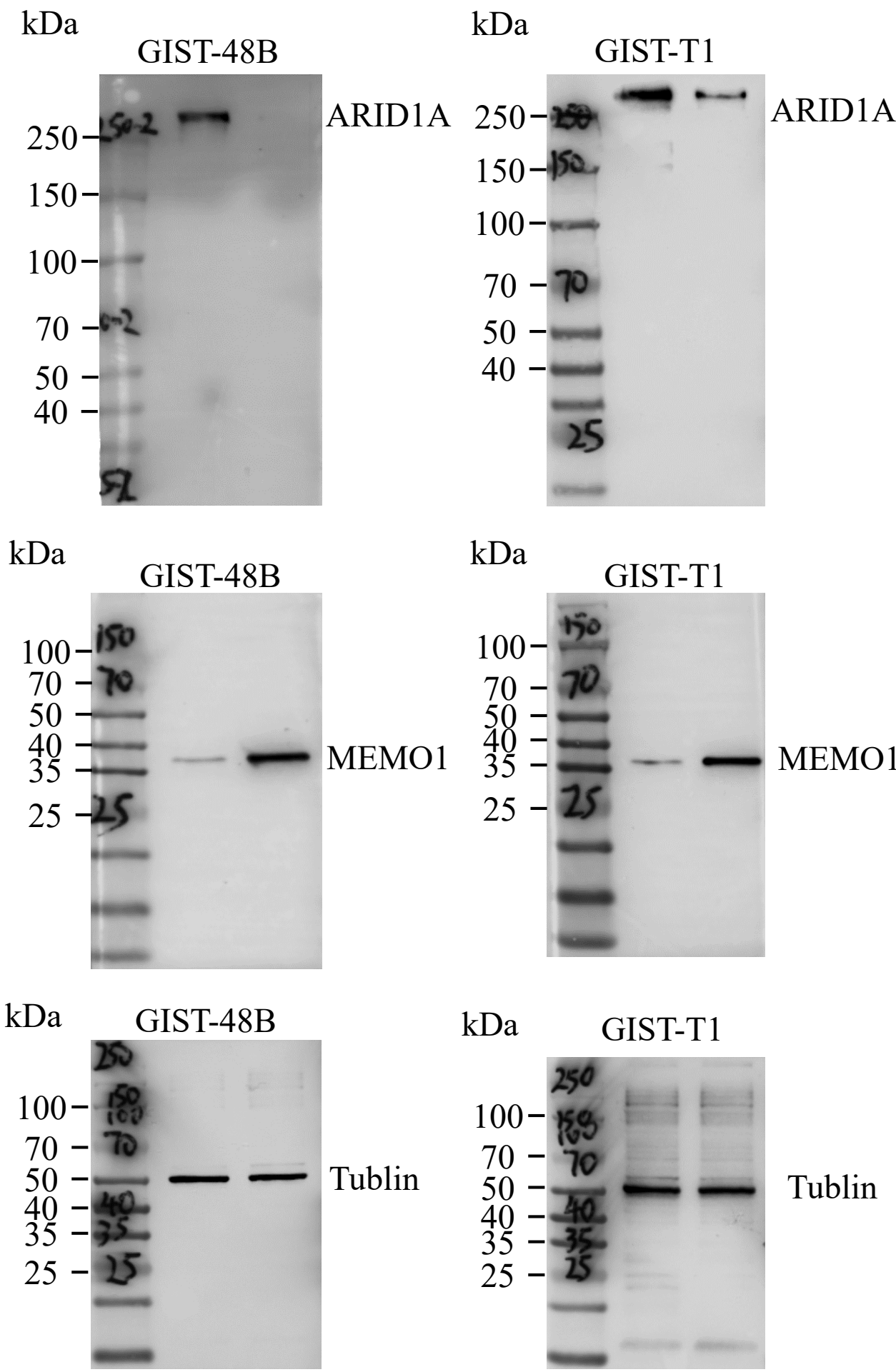
Supplementary Figure 2. The full uncropped Gels and Blots images

Figure. 3E



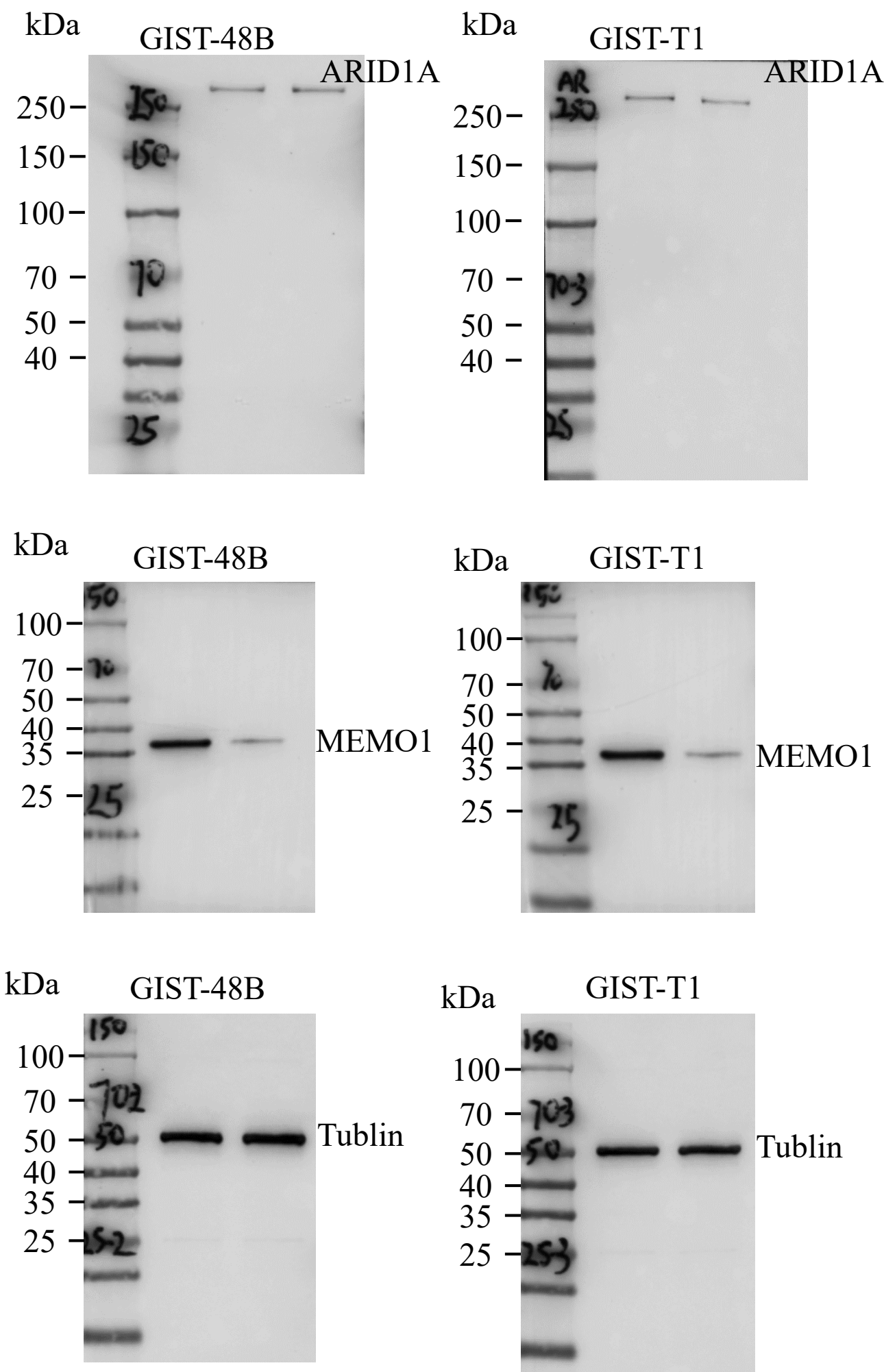
Supplementary Figure 2. The full uncropped Gels and Blots images

Figure. 5E



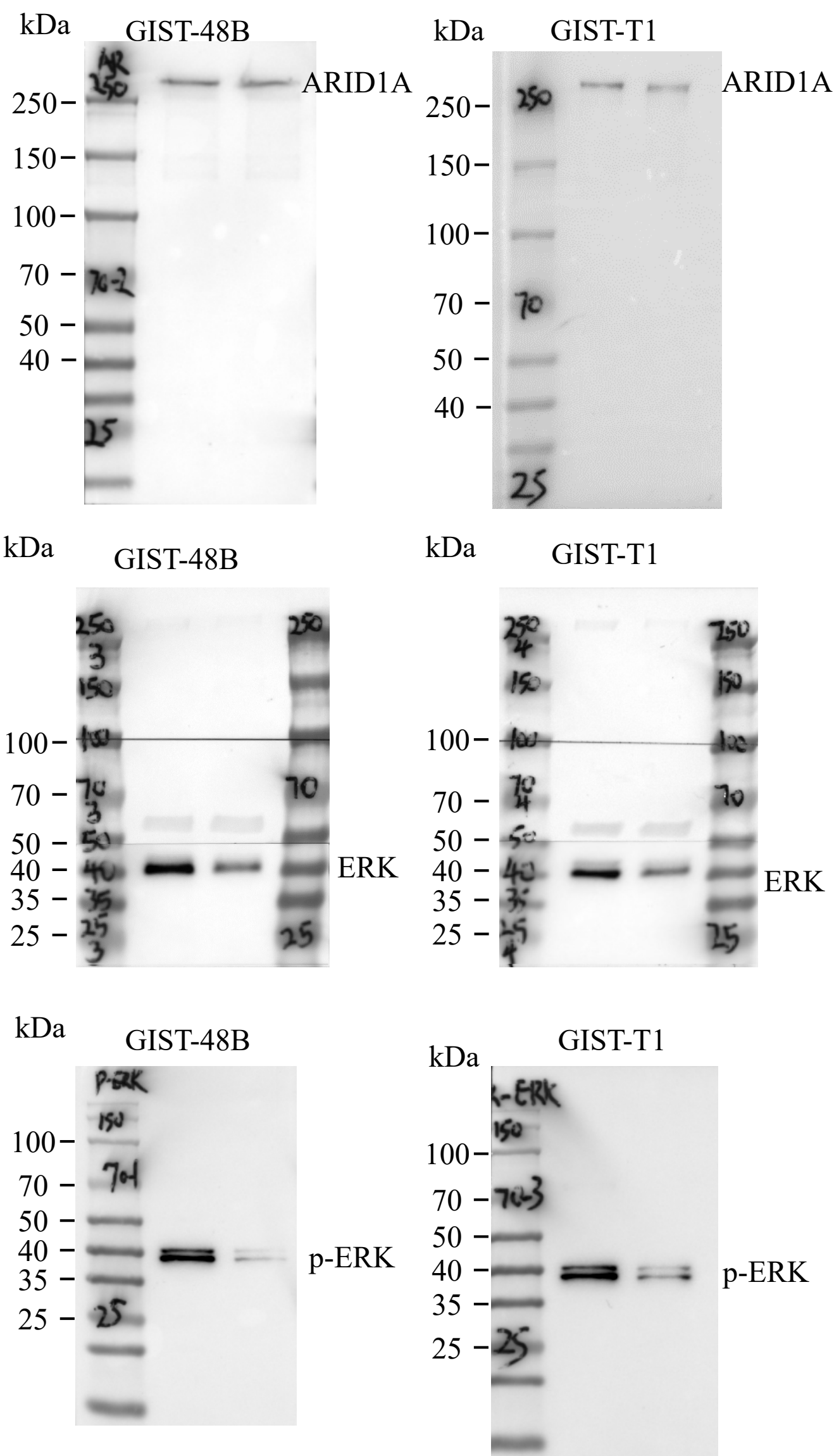
Supplementary Figure 2. The full uncropped Gels and Blots images

Figure. 6B



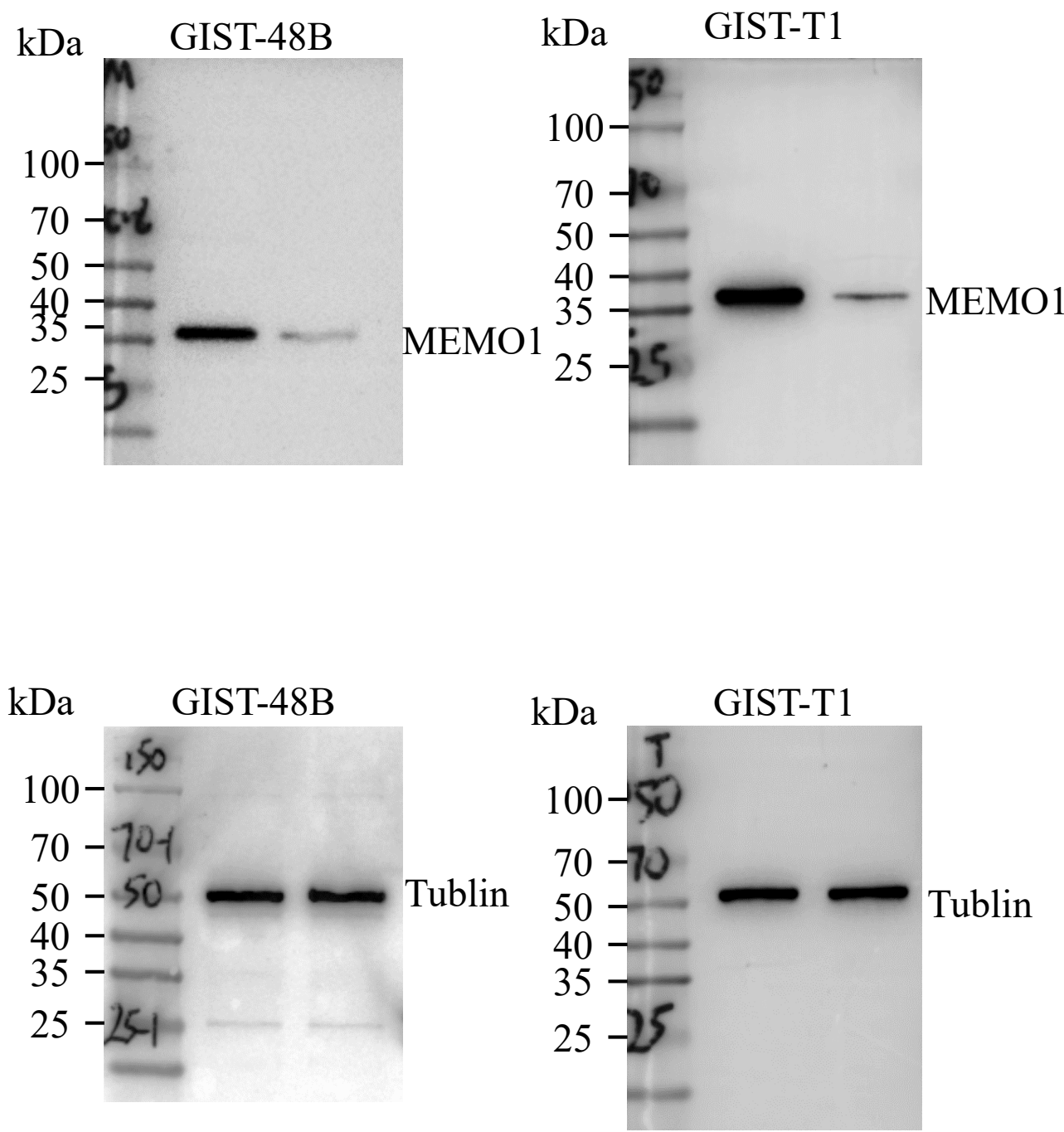
Supplementary Figure 2. The full uncropped Gels and Blots images

Figure. 7B



Supplementary Figure 2. The full uncropped Gels and Blots images

Figure. 7B



Supplementary Figure 2. The full uncropped Gels and Blots images

Supplementary Table 1. Multivariate Cox Regression Analysis of Clinicopathological Factors for Overall Survival in GISTs Patients.

Characteristic	All patients(n=69)	N%	HR	95%CI	<i>P</i>
Age (range), y					
>60	22	31.88	1 [Reference]		
≤60	47	68.12	0.96	0.47-1.98	0.91
Gender					
Female	29	42.03	1 [Reference]		
Male	40	57.97	1.51	0.75-3.04	0.24
Tumor Location					
non-gastric	37	53.62	1 [Reference]		
gastric	32	46.38	0.64	0.30-1.36	0.24
Tumor size(cm)					
>10	6	8.70	1 [Reference]		
>5, ≤10	29	42.02	0.57	0.21-1.56	0.27
≤5	34	49.28	0.15	0.04-0.58	0.01
Mitotic index					
>5/50hpf	19	27.54	1 [Reference]		
≤5/50hpf	50	72.46	0.37	0.15-0.91	0.03
ARID1A status					
low expression	11	15.94	1 [Reference]		
high expression	58	84.06	0.34	0.14-0.81	0.01

HR, hazard ratio; CI, confidence interval.

Supplementary Table 2. Sequence of primers used in this study.

Primers for qRT-PCR assay.	
Gene	Primer sequences (5' to 3')
ACTIN	Forward: CATGTACGTTGCTATCCAGGC
	Reverse: CTCCTTAATGTCACGCACGAT
GAPDH	Forward: AGAAGGCTGGGGCTCATTG
	Reverse: AGGGGCCATCCACAGTCTTC
ARID1A	Forward: AACATGGCGGACAACAAAGC
	Reverse: TGGTCGTGAGAGTTCTGCTG
MEMO1	Forward: TTGGGCCTTCTCATCATGTGC
	Reverse: TCGTTCAAACATTCCTGTCT
Primers for siRNA sequences.	
Gene	Primer sequences (5' to 3')
ARID1A	Forward: GCAGGAGCUAUCUCAAGAUTT
	Reverse: AUCUUGAGAUAGCUCCUGCTT
MEMO1	Forward: GCGGAUCCUAGUAAUCUCUTT
	Reverse: AGAGAUUACUAGGAUCCGCTT
Negative control	Forward: UUCUCCGAACGUGUCACGUTT
	Reverse: ACGUGACACGUUCGGAGAATT
Primers for PCR after ChIP assay.	
	Primer sequences (5' to 3')
MEMO1 promotor -1000~-750bp site 1#	Forward: TAGGACCACAGGCGAAGC
	Reverse: GCCTATTCCCAGCACTTT
MEMO1 promotor -750~-500bp site 2#	Forward: AGAGGTCCAAGATAGCCTCCT
	Reverse: GTGAACAGCCTGACAGGGTAA
MEMO1 promotor -500~-250bp site 3#	Forward: GGTGGTAAGAGTGACCCTGT
	Reverse: CTCATTCTAGGGTGGCACG
MEMO1 promotor -250~0bp site 4#	Forward: CGTGCCACCCTAGGAATGAG
	Reverse: TCCCGCGGGTATCCATCATA
MEMO1 bind site site 5#	Forward: TTGAACCTCCCTCAAGAGCA
	Reverse: CACCACGCCAGCTAATTTT
MEMO1 bind site site 6#	Forward: ACGAGGTCAGGAGATCGAGA
	Reverse: AGTGCAGTGGCACAATCTCA
MEMO1 bind site site 7#	Forward: GTGTTGAGACCAGCCTAGC
	Reverse: ATCTTGGCTCACTGCAACCT