

a

		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
SARC	Gene expression	1.001	1.002	2.418308e-02	1.001	1.002	2.549198e-01
	Replication timing	1.001	1.001	1.981822e-04	1.001	1.001	1.513193e-03
BRCA		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.001	2.452259e-04	1.000	1.000	4.575905e-01
	Replication timing	1.001	1.001	7.809351e-20	1.001	1.001	5.364861e-17
GBM		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.002	0.0168452408	1.000	1.001	5.841908e-01
	Replication timing	1.001	1.001	2.795532e-10	1.001	1.001	4.492228e-09
OV		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.002	2.802480e-07	1.001	1.001	1.691032e-02
	Replication timing	1.001	1.001	1.280088e-16	1.001	1.001	4.708444e-12
LUSC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.002	1.002	0.0005681217	1.001	1.002	0.009876143
	Replication timing	1.000	1.001	0.001978267	1.000	1.001	0.037026772
STAD		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.004	1.005	7.530880e-10	1.003	1.004	2.772250e-05
	Replication timing	1.001	1.002	2.101723e-10	1.001	1.001	7.506947e-06
UCEC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.003	1.004	1.936049e-07	1.001	1.002	2.762368e-02
	Replication timing	1.002	1.002	2.574777e-19	1.002	1.002	2.040572e-14
HNSC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.001	0.007045664	1.000	1.001	0.141664710
	Replication timing	1.000	1.001	7.383168e-05	1.000	1.001	0.001125938
LIHC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.002	2.249945e-02	1.000	1.001	8.664341e-01
	Replication timing	1.001	1.001	5.639720e-09	1.001	1.001	8.128367e-08
SKCM		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.001	1.568880e-01	1.000	1.001	0.726452759
	Replication timing	1.000	1.001	0.0009835809	1.000	1.001	0.002735191

c

		OR	95% CI	p-value
SARC	Replication timing	1.001	1.002	0.07560758
BRCA		OR	95% CI	p-value
	Replication timing	1.001	1.001	0.0001706559
GBM		OR	95% CI	p-value
	Replication timing	1.001	1.002	0.003476638
OV		OR	95% CI	p-value
	Replication timing	1.000	1.001	0.0948398
LUSC		OR	95% CI	p-value
	Replication timing	1.001	1.002	0.02497611
STAD		OR	95% CI	p-value
	Replication timing	1.000	1.001	0.6856750
UCEC		OR	95% CI	p-value
	Replication timing	1.001	1.002	0.005858224
HNSC		OR	95% CI	p-value
	Replication timing	1.000	1.001	0.2001579
LIHC		OR	95% CI	p-value
	Replication timing	1.001	1.001	0.01162314
SKCM		OR	95% CI	p-value
	Replication timing	0.99997	1.001	0.95351903

b

		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
SARC	Gene expression	1.002	1.004	1.432804e-01	1.001	1.003	0.445791732
	Replication timing	1.001	1.001	3.877042e-03	1.001	1.001	0.009223111
BRCA		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.002	1.691989e-03	1.000	1.001	2.061333e-01
	Replication timing	1.001	1.001	3.731477e-15	1.001	1.001	2.488881e-13
GBM		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.002	1.003	0.00234432	1.001	1.003	5.218249e-02
	Replication timing	1.001	1.001	8.254689e-08	1.001	1.001	1.418192e-06
OV		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.003	1.004	4.533474e-09	1.002	1.003	2.163129e-04
	Replication timing	1.001	1.001	4.039371e-16	1.001	1.001	1.511823e-11
LUSC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.004	1.006	2.790550e-06	1.004	1.005	1.814436e-05
	Replication timing	1.000	1.001	0.03669563	1.000	1.000	3.756591e-01
STAD		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.006	1.008	1.392866e-08	1.005	1.007	3.333984e-05
	Replication timing	1.001	1.002	1.843887e-09	1.001	1.002	4.243039e-06
UCEC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.005	1.007	3.225537e-06	1.003	1.005	1.632000e-02
	Replication timing	1.002	1.002	3.361996e-16	1.002	1.002	1.094692e-12
HNSC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.002	1.003	9.260708e-07	1.002	1.003	0.0000654991
	Replication timing	1.000	1.001	0.0000727371	1.000	1.001	0.0058387845
LIHC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.002	1.001	0.001619439	1.001	1.003	9.492509e-02
	Replication timing	1.001	1.001	1.300404e-07	1.001	1.001	5.327523e-06
SKCM		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.002	1.004	0.0006287536	1.002	1.003	0.0229081173
	Replication timing	1.001	1.001	8.868630e-06	1.001	1.001	0.0002759546

d

		OR	95% CI	p-value
SARC	Replication timing	1.001	1.001	4.534571e-02
BRCA		OR	95% CI	p-value
	Replication timing	1.000	1.001	6.411577e-11
GBM		OR	95% CI	p-value
	Replication timing	1.000	1.001	7.825698e-05
OV		OR	95% CI	p-value
	Replication timing	1.000	1.000	0.0002432668
LUSC		OR	95% CI	p-value
	Replication timing	0.9999	1.000	0.6567748223
STAD		OR	95% CI	p-value
	Replication timing	1.001	1.002	0.0001362056
UCEC		OR	95% CI	p-value
	Replication timing	1.002	1.002	2.835927e-12
HNSC		OR	95% CI	p-value
	Replication timing	1.000	1.000	0.35956082
LIHC		OR	95% CI	p-value
	Replication timing	1.001	1.001	2.491517e-11
SKCM		OR	95% CI	p-value
	Replication timing	1.000	1.000	0.1759344

Supp Table 1. Gene expression and replication timing are determinants of chromosomal translocation (p<0.001). Linear regression model of normalized translocation number on gene expression and replication timing for (a) all protein coding genes (b) non-silent genes (c) silent genes (d) intergenic regions.