

a

		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
SARC	Gene expression	1.001	1.002	3.618122e-02	1.001	1.002	3.445084e-01
	Replication timing	1.001	1.001	1.981822e-04	1.001	1.001	1.292784e-03
BRCA		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.001	1.571869e-04	1.000	1.001	4.210013e-01
	Replication timing	1.001	1.001	7.809351e-20	1.001	1.001	7.807073e-17
GBM		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.002	0.010473243	1.000	1.001	4.883187e-01
	Replication timing	1.001	1.002	2.795532e-10	1.001	1.001	6.304229e-09
OV		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.002	1.002	5.651559e-08	1.001	1.001	7.971097e-03
	Replication timing	1.001	1.001	1.280088e-16	1.001	1.001	1.157966e-11
LUSC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.002	1.003	0.0001910625	1.002	1.002	0.004128156
	Replication timing	1.001	1.001	0.001978267	1.000	1.001	0.048882652
STAD		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.004	1.005	4.346453e-10	1.003	1.004	2.119607e-05
	Replication timing	1.001	1.002	2.101723e-10	1.001	1.001	1.007235e-05
UCEC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.003	1.004	8.139997e-08	1.001	1.003	2.132001e-02
	Replication timing	1.002	1.002	2.574777e-19	1.002	1.002	3.808373e-14
HNSC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.001	0.00289583	1.001	1.001	0.080388350
	Replication timing	1.000	1.001	7.383168e-05	1.000	1.001	0.001657511
LIHC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.002	1.283528e-02	1.002	1.001	7.232200e-01
	Replication timing	1.001	1.001	5.639720e-09	1.001	1.001	1.285777e-07
SKCM		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.001	1.133525e-01	1.000	1.001	0.612707456
	Replication timing	1.000	1.001	0.0009835809	1.000	1.001	0.003348361

c

		OR	95% CI	p-value
SARC	Replication timing	1.001	1.002	0.1016133
BRCA		OR	95% CI	p-value
	Replication timing	1.001	1.001	0.0009948122
GBM		OR	95% CI	p-value
	Replication timing	1.001	1.002	0.01018453
OV		OR	95% CI	p-value
	Replication timing	0.9999	1.000	0.83232047
LUSC		OR	95% CI	p-value
	Replication timing	1.001	1.001	0.07678944
STAD		OR	95% CI	p-value
	Replication timing	0.9999	1.001	0.8450805
UCEC		OR	95% CI	p-value
	Replication timing	1.001	1,002	0.0189570
HNSC		OR	95% CI	p-value
	Replication timing	1.000	1.001	0.3322183
LIHC		OR	95% CI	p-value
	Replication timing	1.001	1.001	0.06165446
SKCM		OR	95% CI	p-value
	Replication timing	0.9999	1.001	0.7074789

b

		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
SARC	Gene expression	1.002	1.004	2.117747e-02	1.001	1.003	0.129597726
	Replication timing	1.001	1.001	1.281697e-03	1.001	1.001	0.006692858
BRCA		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.001	9.369100e-04	1.000	1.001	2.158055e-01
	Replication timing	1.001	1.001	4.416594e-16	1.001	1.001	5.282883e-14
GBM		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.002	1.003	0.004003255	1.001	1.002	9.830183e-02
	Replication timing	1.001	1.001	3.003468e-08	1.001	1.001	5.291447e-07
OV		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.002	1.002	8.939902e-07	1.001	1.002	1.551265e-02
	Replication timing	1.001	1.001	6.159754e-18	1.001	1.001	6.614340e-14
LUSC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.003	1.004	0.0001546538	1.002	1.004	0.001107601
	Replication timing	1.000	1.001	0.01876554	1.000	1.001	0.174074625
STAD		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.005	1.007	3.717438e-09	1.004	1.005	3.450527e-05
	Replication timing	1.001	1.002	3.596214e-10	1.001	1.001	3.177959e-06
UCEC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.004	1.005	3.388927e-06	1.002	1.003	2.564737e-02
	Replication timing	1.002	1.002	1.020882e-16	1.002	1.002	4.708382e-13
HNSC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.002	1.002	0.0001510123	1.001	1.002	0.004796922
	Replication timing	1.000	1.001	9.012264e-05	1.000	1.001	0.002808359
LIHC		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.002	1.003	0.007569602	1.001	1.002	3.193455e-01
	Replication timing	1.001	1.001	3.515179e-08	1.001	1.001	8.426734e-07
SKCM		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
	Gene expression	1.001	1.002	0.024344490	1.001	1.002	0.2646877534
	Replication timing	1.001	1.001	3.326452e-05	1.001	1.001	0.0002522974

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.** Linear regression model of normalized translocation number for each gene on gene expression and replication timing for (a) all protein coding genes (b) non-silent genes (c) silent genes (d) intergenic regions.