

a

		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
SARC	Gene expression	1.002	1.003	1.806218e-02	1.001	1.002	0.184361174
	Replication timing	1.001	1.001	5.923750e-04	1.001	1.001	0.004748243
	HR+	1.027	1.042	2.504471e-03	1.027	1.042	0.002500811
		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
BRCA	Gene expression	1.001	1.001	7.883923e-04	1.000	1.001	5.158992e-01
	Replication timing	1.001	1.001	1.275105e-16	1.001	1.001	3.053815e-14
	HR+	0.981	0.986	2.168960e-10	0.981	0.986	2.094361e-10
		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
OV	Gene expression	1.002	1.002	3.659003e-07	1.001	1.002	2.700214e-02
	Replication timing	1.001	1.001	2.576320e-17	1.001	1.001	1.070151e-12
	HR+	0.978	0.984	6.987369e-10	0.978	0.984	6.734726e-10
		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
STAD	Gene expression	1.005	1.007	8.549975e-10	1.004	1.005	2.949134e-05
	Replication timing	1.002	1.002	3.937421e-10	1.001	1.002	1.330359e-05
	HR+	0.920	0.935	8.287776e-19	0.925	0.935	7.844742e-19
		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
UCEC	Gene expression	1.003	1.005	3.326350e-07	1.002	1.003	2.622867e-02
	Replication timing	1.002	1.002	2.727031e-17	1.002	1.002	1.238443e-12
	HR+	0.985	0.999	8.334689e-02	0.985	0.999	8.305629e-02
		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
SKCM	Gene expression	0.9998	1.003	0.889093887	0.999	1.002	0.7882321329
	Replication timing	1.000	1.001	0.7353789	1.000	1.001	0.6828253622
	HR+	0.921	0.954	1.527922e-04	0.921	0.954	0.0001528457

b

		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
SARC	Gene expression	1.002	1.004	3.214654e-02	1.001	1.003	0.14976044
	Replication timing	1.001	1.001	4.012463e-03	1.001	1.001	0.01637084
	HR+	1.023	1.038	1.522531e-02	1.023	1.038	0.01521321
		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
BRCA	Gene expression	1.001	1.002	2.272156e-03	1.000	1.001	2.525890e-01
	Replication timing	1.001	1.001	7.306306e-14	1.001	1.001	4.205695e-12
	HR+	0.981	0.986	4.159425e-10	0.981	0.986	4.031630e-10
		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
OV	Gene expression	1.002	1.003	6.646757e-07	1.001	1.002	1.785076e-02
	Replication timing	1.001	1.001	2.754681e-19	1.001	1.001	4.273928e-15
	HR+	0.975	0.981	1.557538e-11	0.975	0.981	1.475488e-11
		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
STAD	Gene expression	1.006	1.008	1.028600e-08	1.005	1.006	5.551075e-05
	Replication timing	1.002	1.002	1.289496e-09	1.001	1.002	6.616653e-06
	HR+	0.917	0.932	8.819349e-19	0.917	0.932	8.349916e-19
		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
UCEC	Gene expression	1.005	1.006	3.610662e-07	1.003	1.004	4.540803e-03
	Replication timing	1.002	1.002	4.169259e-15	1.002	1.002	3.675421e-11
	HR+	0.990	1.004	2.481478e-01	0.990	1.004	2.476965e-01
		OR	95% CI	p-value	adj. OR	adj. 95% CI	adj. p-value
SKCM	Gene expression	1.002	1.005	0.43233014	1.001	1.002	0.6363448721
	Replication timing	1.001	1.002	0.2440882	1.001	1.002	0.3261564949
	HR+	0.923	0.958	1.097497e-04	0.923	0.958	0.0001097601

Supp Table 3. HR is a key factor of chromosomal translocation. Linear regression model of normalized translocation number for each gene on gene expression, replication timing and HR for (a) all protein coding genes (b) non-silent genes