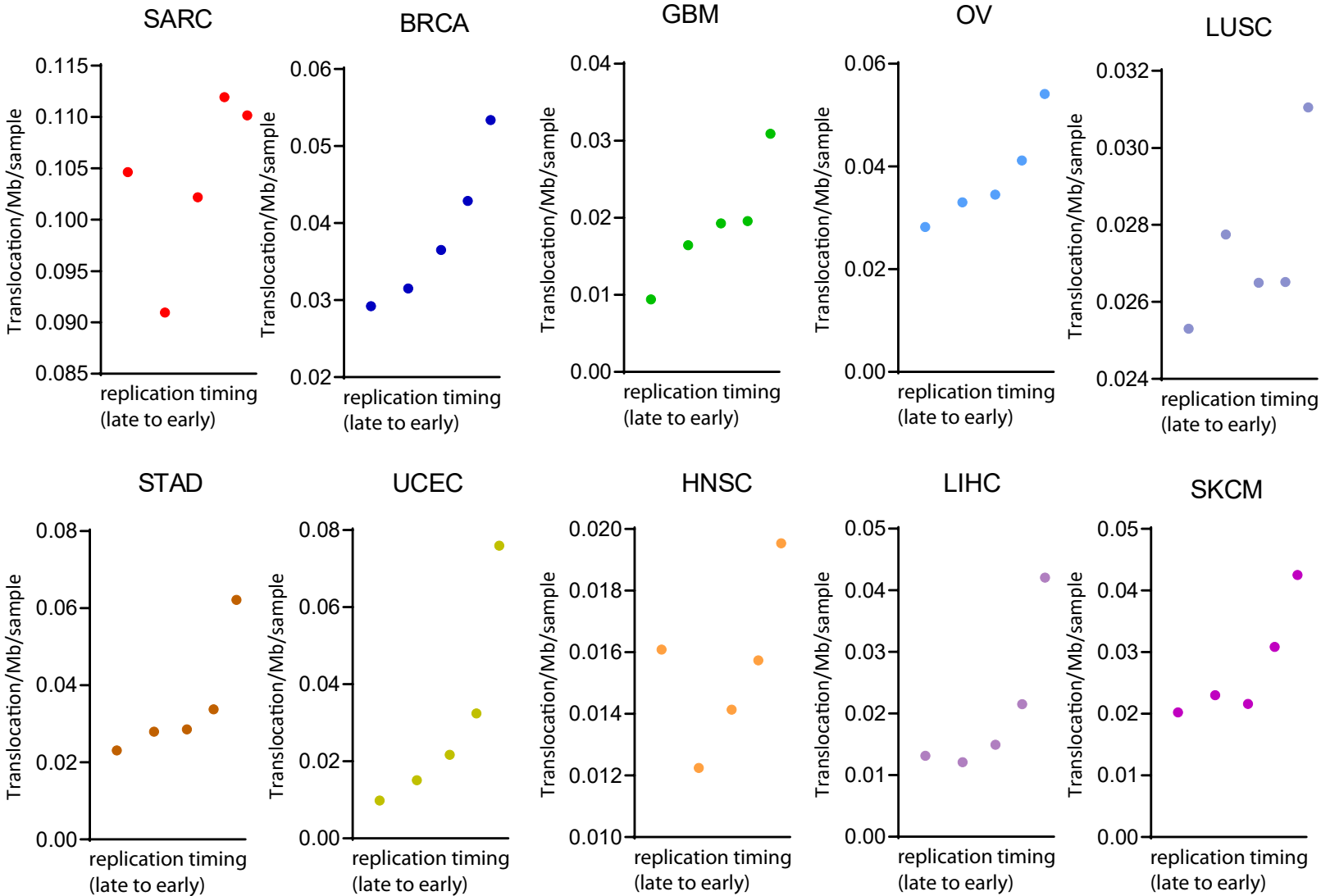


a

|      |                    | OR    | 95% CI | p-value      |
|------|--------------------|-------|--------|--------------|
| SARC | Replication timing | 1.000 | 1.005  | 2.838592e-01 |
| BRCA | Replication timing | 1.000 | 1.000  | 1.551176e-30 |
| GBM  | Replication timing | 1.000 | 1.000  | 3.358889e-08 |
| OV   | Replication timing | 1.000 | 1.000  | 1.474748e-46 |
| LUSC | Replication timing | 1.000 | 1.000  | 4.866715e-02 |
| STAD | Replication timing | 1.000 | 1.001  | 3.391916e-12 |
| UCEC | Replication timing | 1.001 | 1.001  | 7.588947e-81 |
| HNSC | Replication timing | 1.000 | 1.000  | 1.027999e-02 |
| LIHC | Replication timing | 1.000 | 1.000  | 1.377263e-36 |
| SKCM | Replication timing | 1.000 | 1.000  | 1.817498e-09 |

b



**Supp Table 2. Effect of replication timing on chromosomal translocation distribution.** The whole genome is divided into 2897 bins with the region size of 1Mb. Translocation number for each bin was analyzed and normalized. (a)The linear regression model for normalized translocation number on replication timing for each bin was applied. (b) 2897 bins were divided again into 5 bins, and the binned results were plotted in dot plots. Translocation density is hihly correlated with replication timing according to p-value shown in the regression model except SARC and HNSC.