Phila**delphia** primes congruent to 3 modulo 4 tend
congruent to 1 modulo 4. This phenomenon, later known
been extensively studied and generalized by many number
ubinstein and Sarnak's seminal work in 1994 provided
antify the size of this bias. Motivated by this, Mazur
r those

a of and Florent Jouve, we study a fur
analogue of the bias for elliptic curves and prove many results which ar
$_p(E) < 0$, where $a_p(E)$ is the number trace of Some of our results are much more uncondit
their counterparts in the number eld setting. We specialize in Ulmer's
elliptic curves and show that the biases in this family behave in a variety