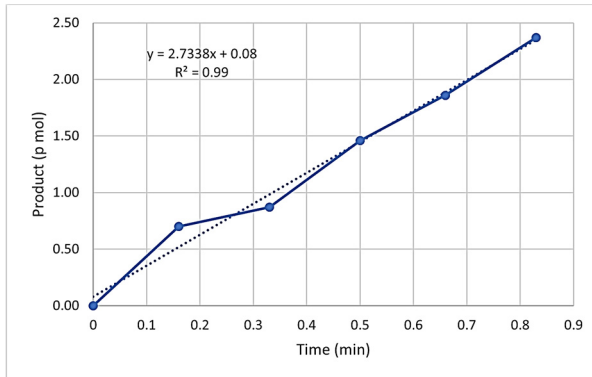


Supplementary Figures

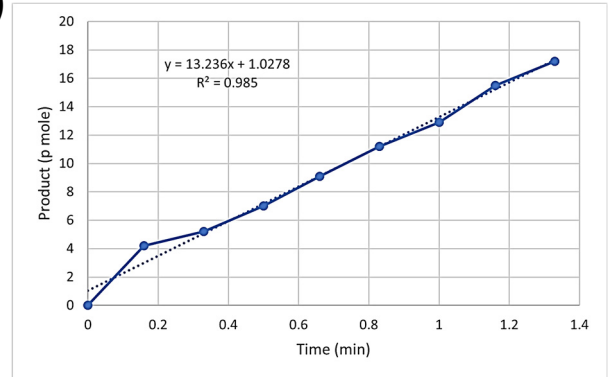
Figure 1: Representative Initial velocity curve analysis of h-TREX1 kinetics with U5 unprocessed and processed HIV-1 substrates

(a)



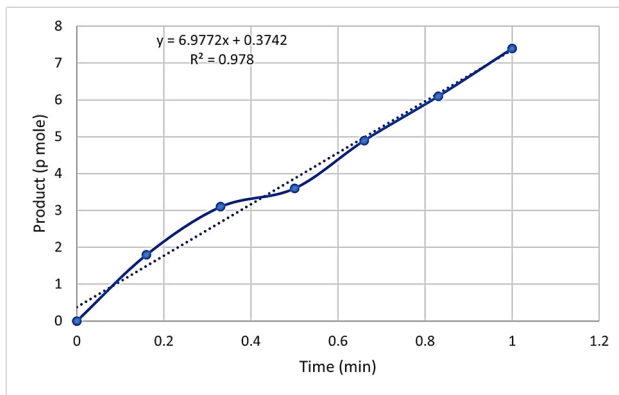
h-TREX1 with 50 nM U5 unprocessed HIV-1 DNA substrate

(d)



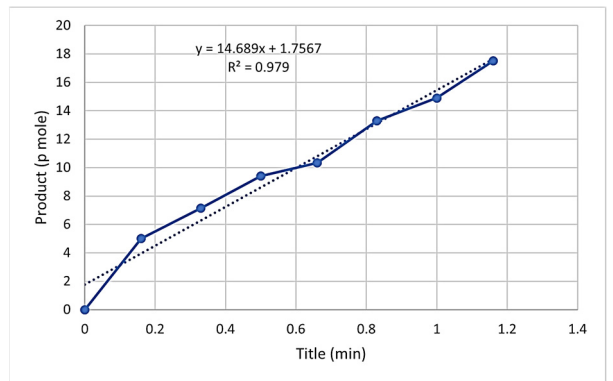
h-TREX1 with 300 nM U5 unprocessed HIV-1 DNA substrate

(b)



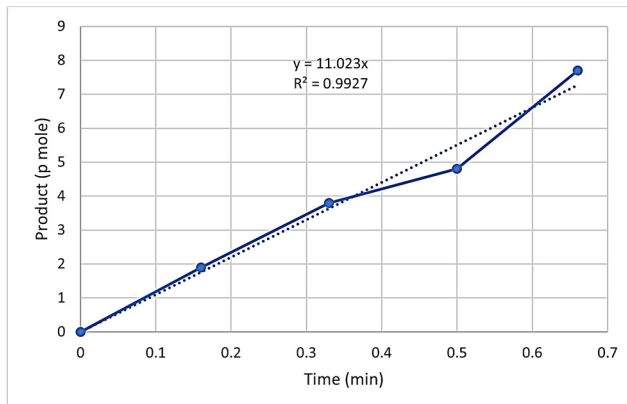
h-TREX1 with 100 nM U5 unprocessed HIV-1 DNA substrate

(e)



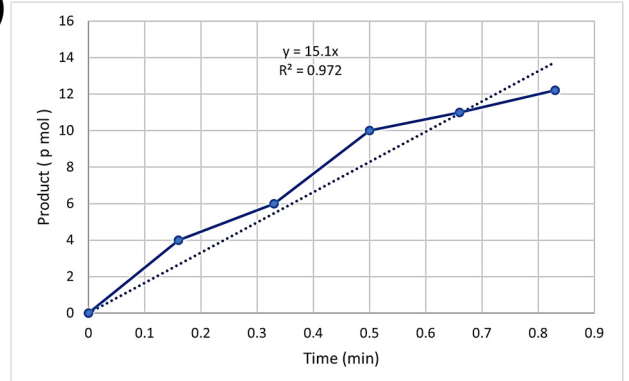
h-TREX1 with 400 nM U5 unprocessed HIV-1 DNA substrate

(c)



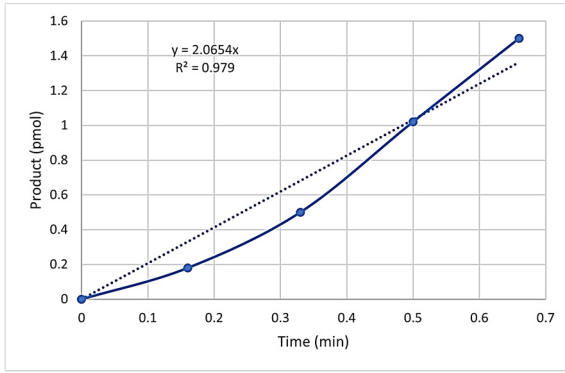
h-TREX1 with 200 nM U5 unprocessed HIV-1 DNA substrate

(f)



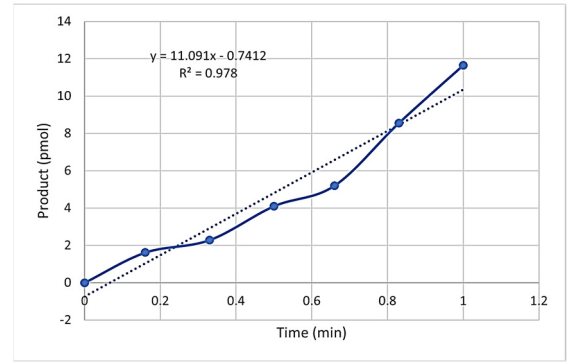
h-TREX1 with 800 nM U5 unprocessed HIV-1 DNA substrate

(g)



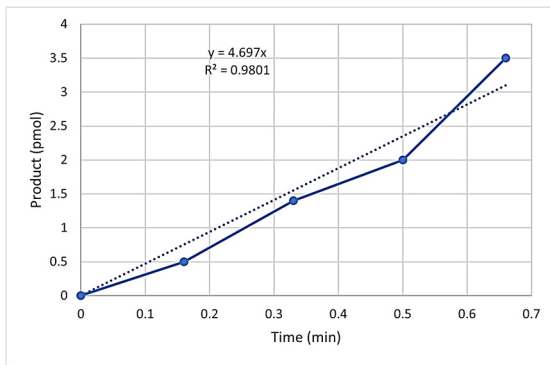
h-TREX1 with 10 nM U5 Processed HIV-1 DNA substrate

(i)



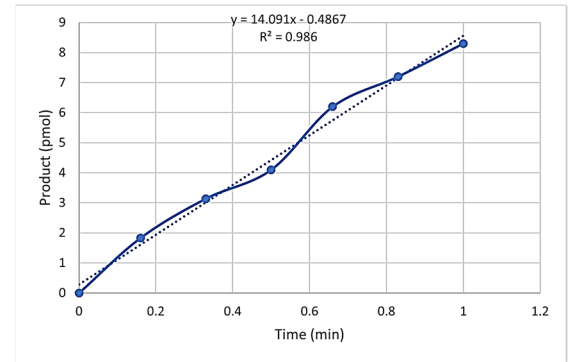
h-TREX1 with 100 nM U5 Processed HIV-1 DNA substrate

(h)



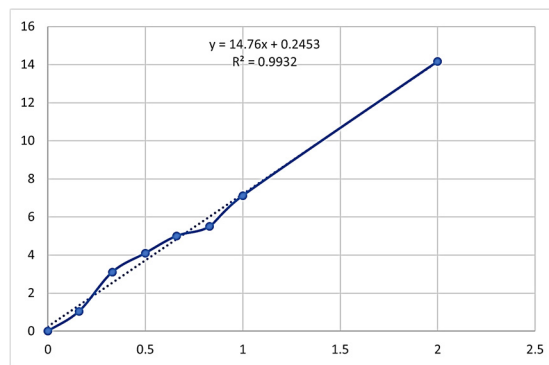
h-TREX1 with 50 nM U5 Processed HIV-1 DNA substrate

(j)



h-TREX1 with 200 nM U5 Processed HIV-1 DNA substrate

(k)

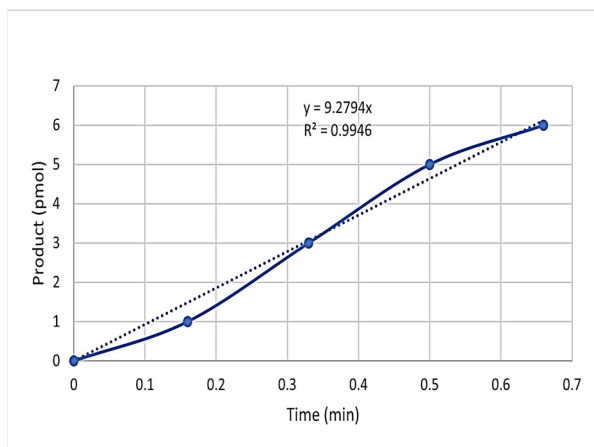


h-TREX1 with 300 nM U5 Processed HIV-1 DNA substrate

Supplementary Figures

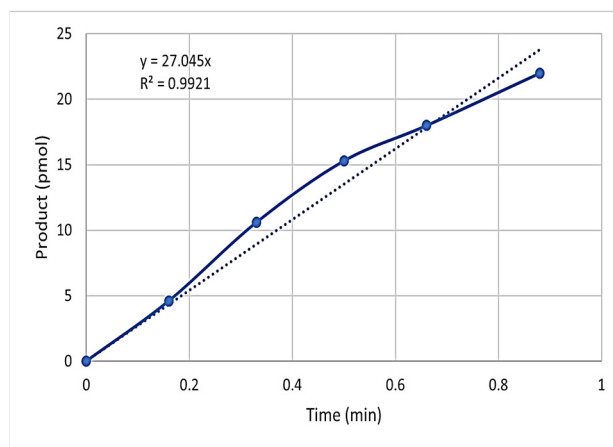
Figure 2: Representative Initial velocity curve analysis of m-TREX1 kinetics with U5 unprocessed and processed HIV-1 substrates

(a)



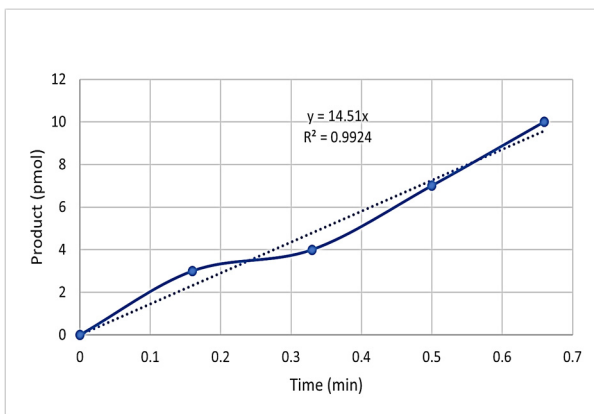
m-TREX1 with 25 nM U5 Unprocessed HIV-1 DNA substrate

(c)



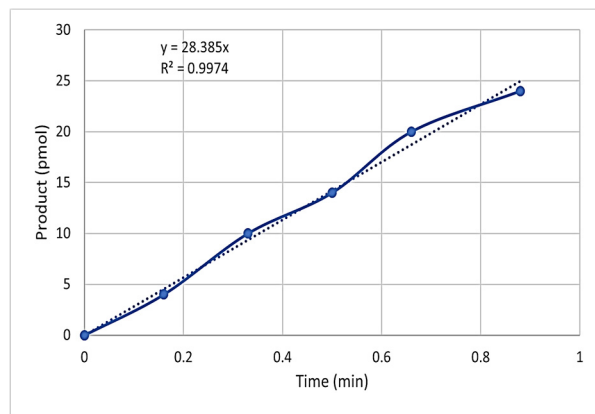
m-TREX1 with 100 nM U5 Unprocessed HIV-1 DNA substrate

(b)



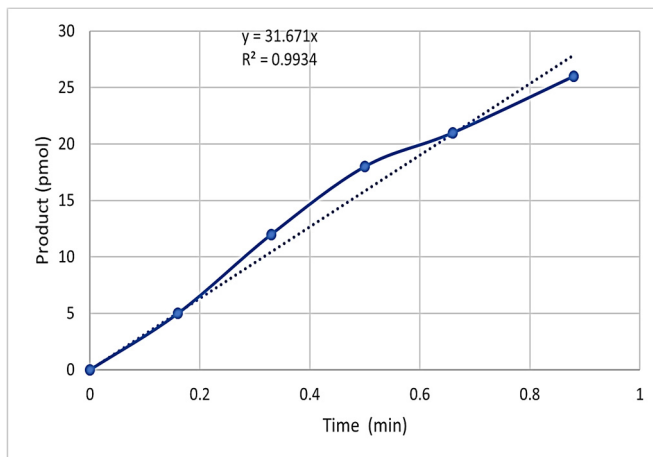
m-TREX1 with 50 nM U5 Unprocessed HIV-1 DNA substrate

(d)



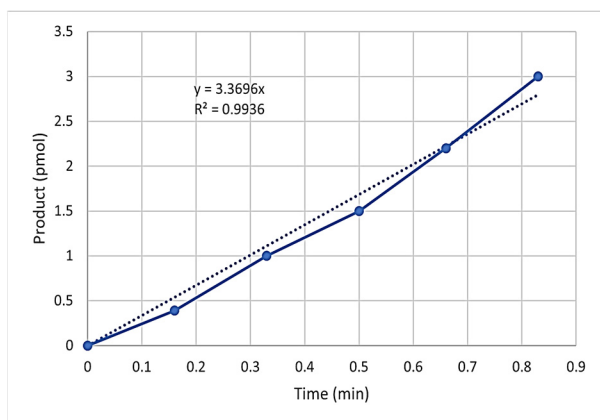
m-TREX1 with 200 nM U5 Unprocessed HIV-1 DNA substrate

(e)



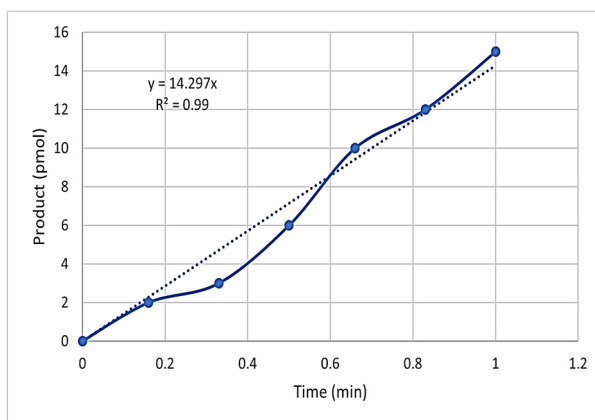
m-TREX1 with 300 nM U5 Unprocessed HIV-1 DNA substrate

(f)



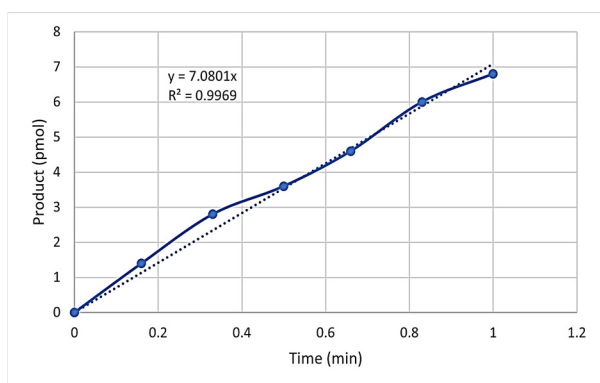
m-TREX1 with 25 nM U5 Processed HIV-1 DNA substrate

(h)



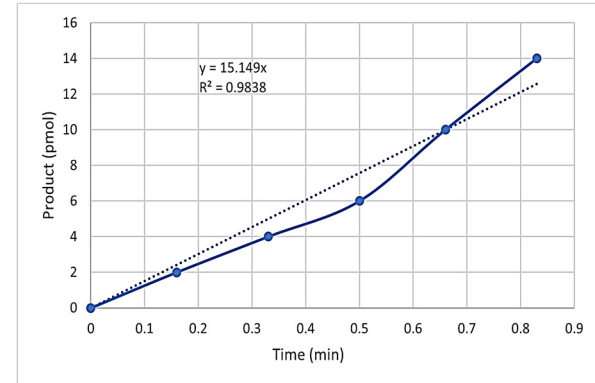
m-TREX1 with 100 nM U5 Processed HIV-1 DNA substrate

(g)



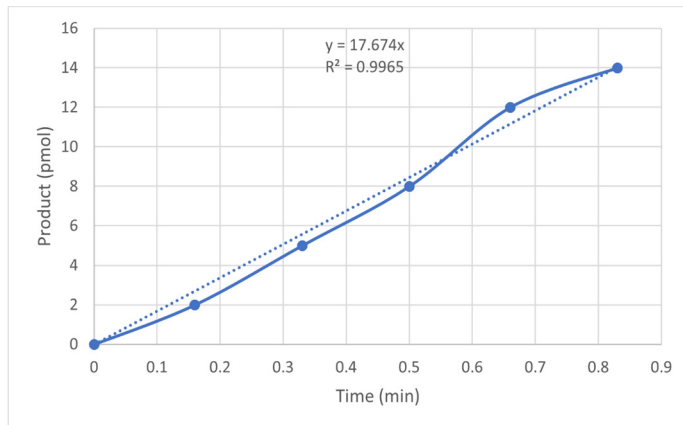
m-TREX1 with 50 nM U5 Processed HIV-1 DNA substrate

(i)



m-TREX1 with 200 nM U5 Processed HIV-1 DNA substrate

(j)

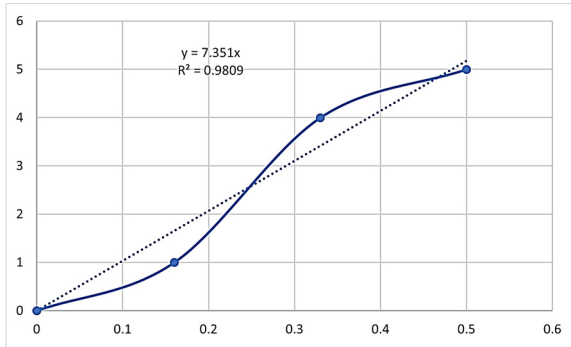


m-TREX1 with 300 nM U5 Processed HIV-1 DNA substrate

Supplementary Figures

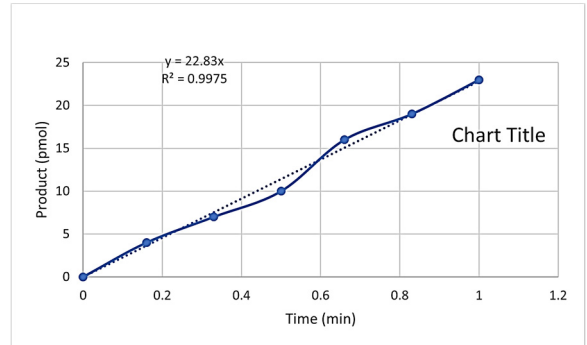
Figure 3: Representative Initial velocity curve analysis of h-TREX1 kinetics with U3 unprocessed and processed HIV-1 substrates

(a)



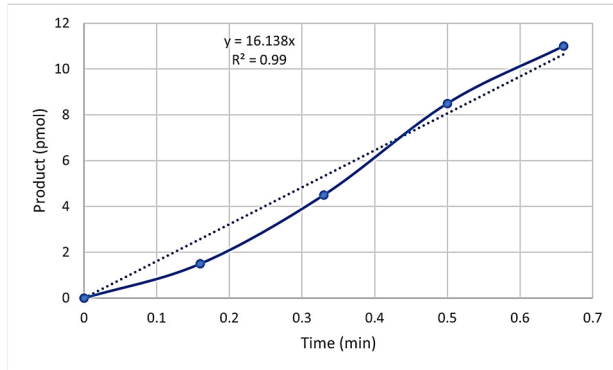
h-TREX1 with 25 nM U3 Unprocessed HIV-1 DNA substrate

(c)



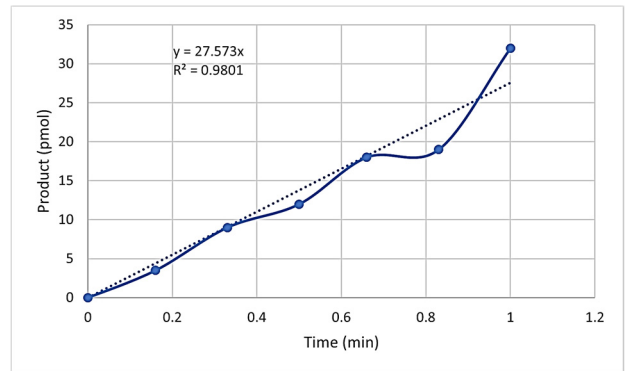
h-TREX1 with 100 nM U3 Unprocessed HIV-1 DNA substrate

(b)



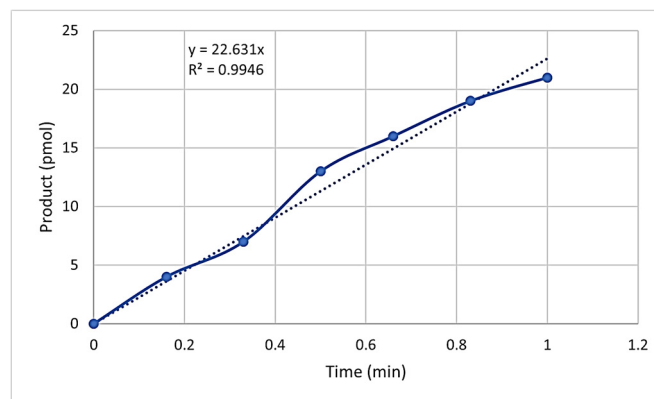
h-TREX1 with 50 nM U3 Unprocessed HIV-1 DNA substrate

(d)



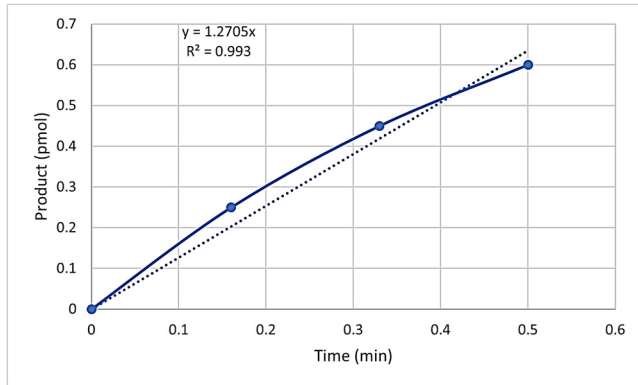
h-TREX1 with 200 nM U3 Unprocessed HIV-1 DNA substrate

(e)



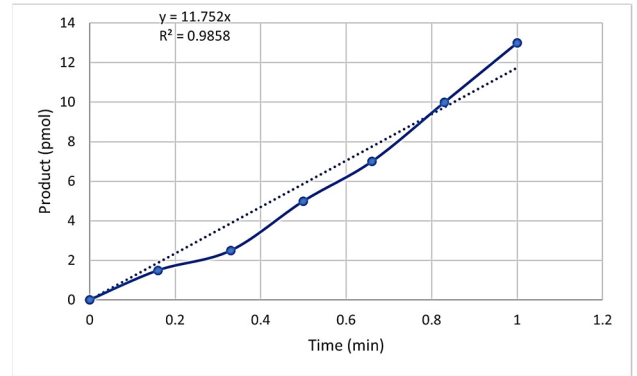
h-TREX1 with 300 nM U3 Unprocessed HIV-1 DNA substrate

(f)



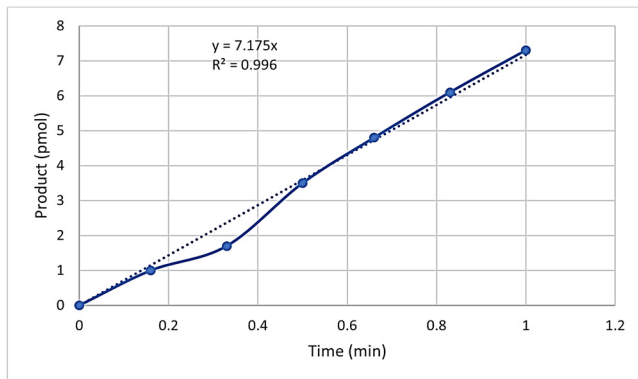
h-TREX1 with 25 nM U3 Processed HIV-1 DNA substrate

(h)



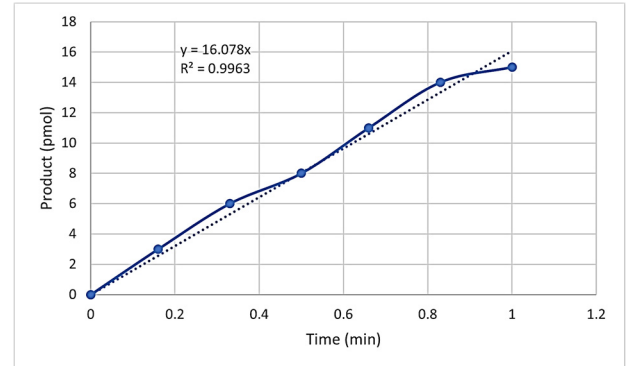
h-TREX1 with 100 nM U3 Processed HIV-1 DNA substrate

(g)



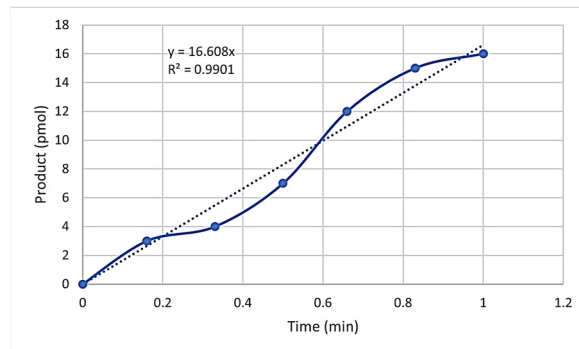
h-TREX1 with 50 nM U3 Processed HIV-1 DNA substrate

(i)



h-TREX1 with 200 nM U3 Processed HIV-1 DNA substrate

(j)

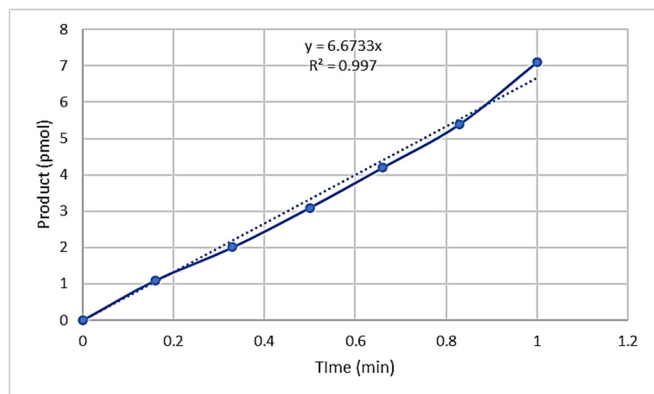


h-TREX1 with 300 nM U3 Processed HIV-1 DNA substrate

Supplementary Figures

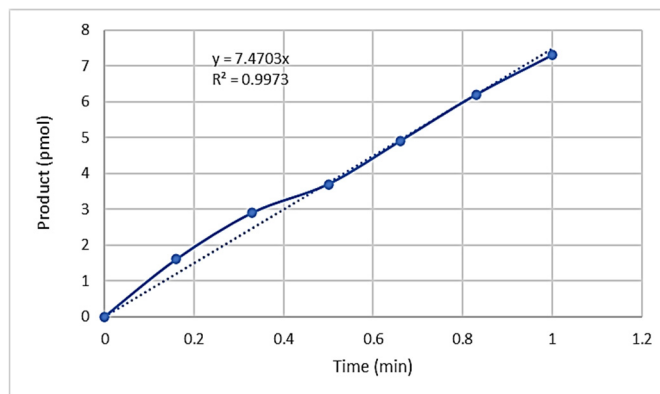
Figure 4: Representative Initial velocity curve analysis of m-TREX1 kinetics with U3 unprocessed HIV-1 substrates

(a)



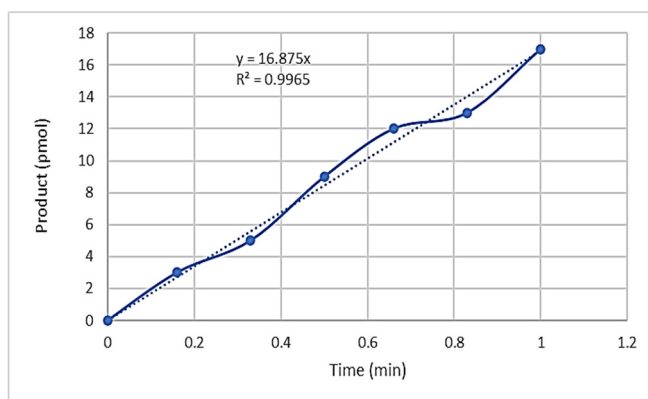
m-TREX1 with 25 nM U3 Unprocessed HIV-1 DNA substrate

(b)



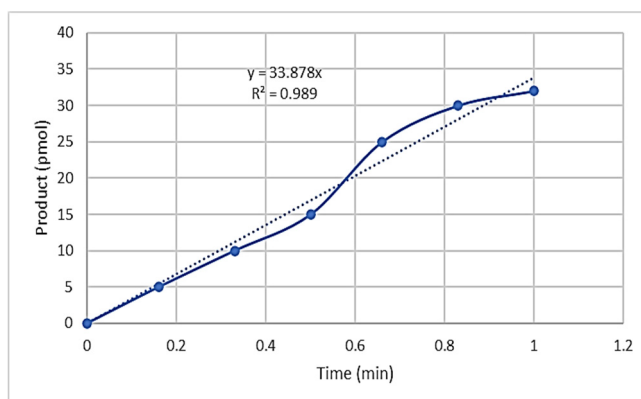
m-TREX1 with 50 nM U3 Unprocessed HIV-1 DNA substrate

(c)



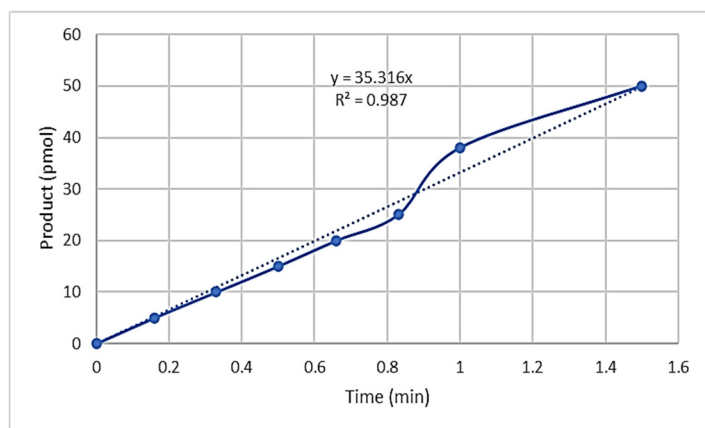
m-TREX1 with 100 nM U3 Unprocessed HIV-1 DNA substrate

(d)



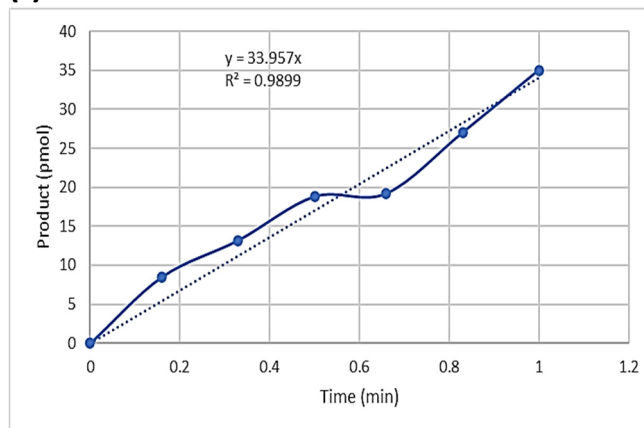
m-TREX1 with 200 nM U3 Unprocessed HIV-1 DNA substrate

(e)



m-TREX1 with 400 nM U3 Unprocessed HIV-1 DNA substrate

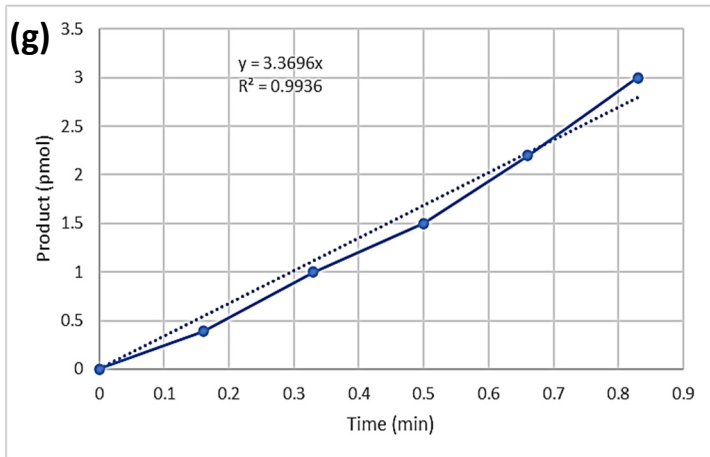
(f)



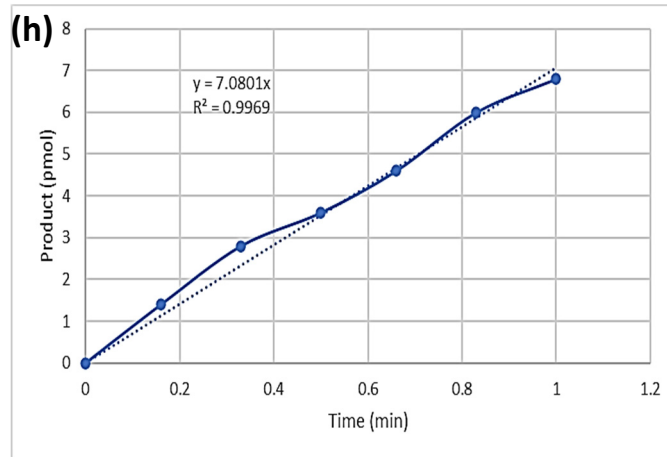
m-TREX1 with 600 nM U3 Unprocessed HIV-1 DNA substrate

Supplementary Figures

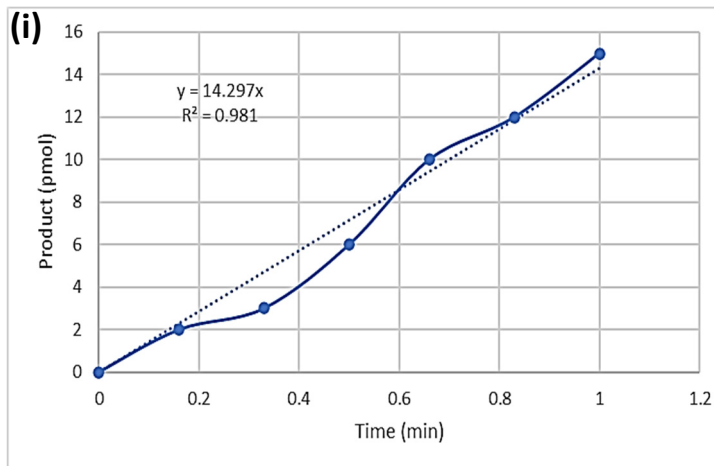
Figure 4: Representative Initial velocity curve analysis of m-TREX1 kinetics with U3 processed HIV-1 substrates



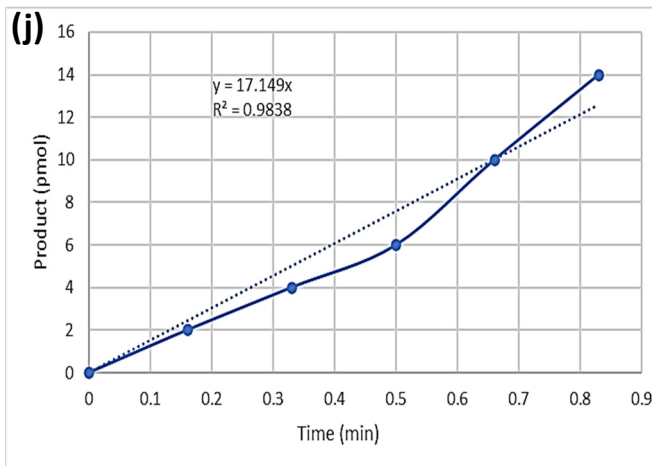
m-TREX1 with 25 nM U3 Processed HIV-1 DNA substrate



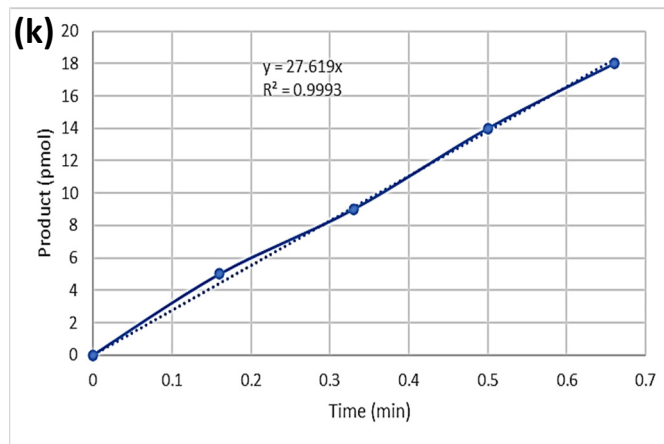
m-TREX1 with 50 nM U3 Processed HIV-1 DNA substrate



m-TREX1 with 100 nM U3 Processed HIV-1 DNA substrate



m-TREX1 with 200 nM U3 Processed HIV-1 DNA substrate



m-TREX1 with 400 nM U3 Processed HIV-1 DNA substrate